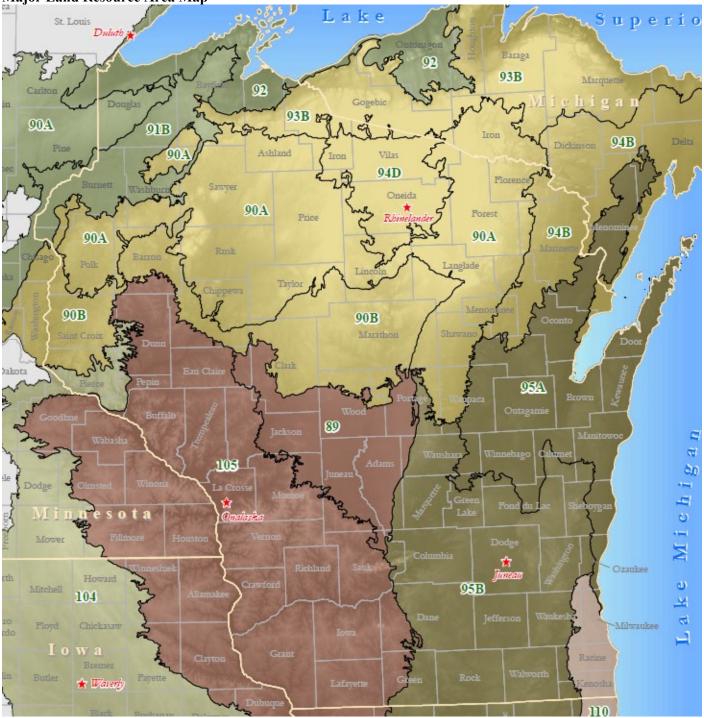
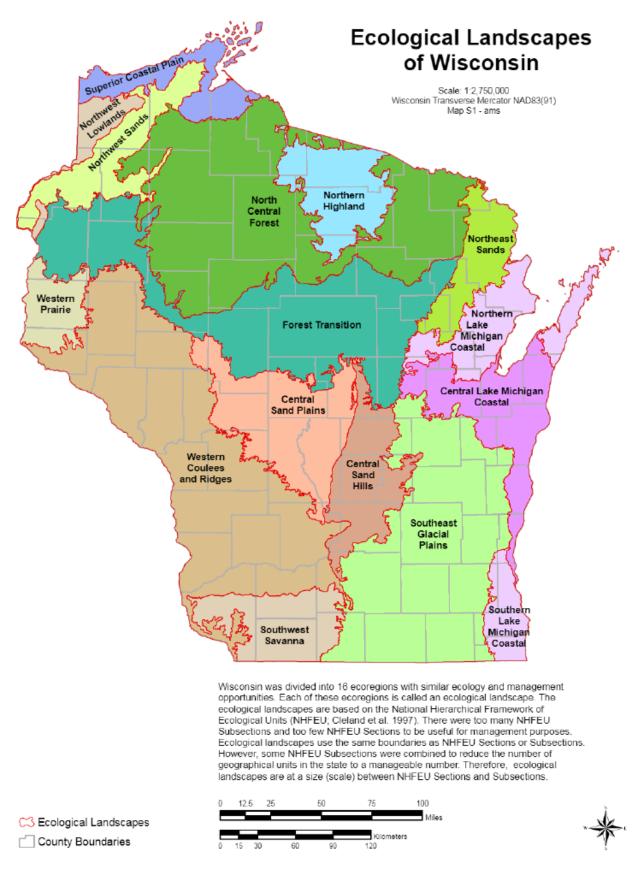
Wisconsin Native Tree and Shrub Guide by County – Instructions

Several pieces of information are required to use this guide. The first column of the guide is the **Major Land Resource Area (MLRA) and the WI Department of Natural Resources (DNR) Ecological Landscapes**. The DNR Ecological Landscapes can be found in Conservation Desktop to help plan the project. The MLRA map is in the Field Office Technical Guide in Section 2. The maps are also included below for general reference.



Major Land Resource Area Map



Ecological Landscapes of Wisconsin, WDNR 2015

The next column refers to soil drainage class. There are three ways to obtain this information.

Option 1 - Wisconsin Soil Data Mart/Map Unit Description (Brief, Generated) by Soil Survey Area and Major Component: <u>https://www.nrcs.usda.gov/resources/wi-soil-data-mart</u>. Select state, county, and soil type.

🗧 🔶 C 🛕 nrcs.usda.gov/publications/Map%20Unit%20Description%20%28Brief%2C%20Generated%29%20Query%20by%20Soil%20Survey%20Area%20%28Major%20Components%29.html 🖄 🖈	D () :						
Aap Unit Description (Brief, Generated)							
An SDA-populated select list is used to pick a state, SSA and map unit. Select mapunit and aggregated data values are displayed for the mapunit components "Map Unit Description (Brief, Generated)" based upon those sele data is not static; it hits Soil Data Access Live. For more information about the table.	ctions. The						
Wisconsin v							
selected state $Id = WI$							
Price County, Wisconsin							
selected SSA areasymbol = WI099							
Antigo silt loam, 6 to 15 percent slopes							
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Antigo silt loam, 6 to 15 Rosholt 5 Generated brief soil descriptions are created for major soil components. The Rosholt soil is a minor component.	22905377						
Antigo silt loam, 6 to 15 Chetek 3 Generated brief soil descriptions are created for major soil components. The Chetek soil is a minor component. percent slopes	22905374						
Antigo silt loam, 6 to 15 Ossmer 2 Generated brief soil descriptions are created for major soil components. The Ossmer soil is a minor component.	22905376						

Option 2 – Go to Official Series Description (OSD): <u>https://soilseries.sc.egov.usda.gov/osdname.aspx</u>. Input soil name and click "Submit".

vv.usda.gov/osdnam	ne.aspx
	United States Department of Agriculture Natural Resources Conservation Service
	Sign up for E-mail updates on the Official Soil Series Descriptions (<u>OSD</u> s)
	DIRECTIONS
s a s	The following entry field may be used to retrieve an Official Soil Series Description and/or a Series Extent Map. If you enter a series name that is found in the database, the Official Soil Series Description will be displayed with a link to the Series Extent Map the end. If you enter a series name that is not found, the best-matched series names will be displayed with links to the Official Soil Series Description and Series Extent Map. You may also retrieve a list of soil series names that match a partial name you enter using wildcard characters with links to the Official Soil Series Description and Series Extent Map. Soil Series Description and Series Extent Map. You may also retrieve a list of soil series names that match a partial name you enter using wildcard characters with links to the Official Soil Series Description and Series Extent Map. Soil Ck here to see the possible wildcard characters.
d	Enter the Official Soil Series Description name you would like to view or a partial name with wildcard characters. Capitalization loses not matter. vilas
	Submit Clear Form
F	REPORT
	Series Classification OSD Link Series Extent Map Link VILAS SANDY, ISOTIC, FRIGID ENTIC HAPLORTHODS View VILAS Description View VILAS Extent Map

A new window appears with detailed soil information, including drainage class.

🕙 Official Series Description - VILAS Series - Google Chrome

● soilseries.sc.egov.usda.gov/OSD_Docs/V/VILAS.html

WI+MI

LOCATION VILAS

Established Series HFG-MJM-LMC 12/2006

VILAS SERIES

The Vilas series consists of very deep, excessively drained soils formed in sandy deposits on outwash plains, outwash terraces, and outwash areas on moraines. Permeability is rapid. Slopes range from 0 to 55 percent. Mean annual precipitation is about 30 inches. Mean annual air temperature is about 41 degrees F.

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TAXONOMIC CLASS: Sandy, isotic, frigid Entic Haplorthods

TYPICAL PEDON: Vilas loamy sand - on a plain 2 percent northeast-facing slope in a forested area at an elevation of about 1325 feet. (Colors are for moist soil unless otherwise stated.)

A--0 to 2 inches; black (7.5YR 2.5/1) loamy sand, very dark brown (7.5YR 2.5/2) dry; weak fine granular structure; very friable; about 1 percent gravel; strongly acid; abrupt smooth boundary. (0 to 4 inches thick)

E--2 to 4 inches; brown (7.5YR 4/2) loamy sand, brown (7.5YR 5/2) dry; weak very fine subangular blocky structure; very friable; about 1 percent gravel; strongly acid; abrupt smooth boundary. (0 to 5 inches thick)

Bs1--4 to 11 inches; reddish brown (5YR 4/4) loamy sand; weak fine subangular blocky structure; very friable; about 1 percent gravel; moderately acid; clear smooth boundary.

Bs2--11 to 18 inches; yellowish red (5YR 4/6) sand; single grain; loose; about 1 percent gravel; moderately acid; clear wavy boundary.

Bs3--18 to 23 inches; brown (7.5YR 4/4) sand; single grain; loose; about 1 percent gravel; moderately acid; gradual wavy boundary. (Combined thickness of the Bs horizons is 6 to 30 inches)

BC--23 to 32 inches; brown (7.5YR 5/4) sand; single grain; loose; about 1 percent gravel; slightly acid; gradual wavy boundary. (0 to 15 inches thick)

C--32 to 80 inches; brown (7.5YR 5/3) sand; single grain; loose; about 1 percent gravel; slightly acid.

TYPE LOCATION: Sawyer County, Wisconsin; about 6 miles northeast of Hayward; 130 feet south and 2,475 feet east of the northwest corner of Sec. 30, T. 42 N., R. 8 W.; USGS Hayward topographic quadrangle; lat. 46 degrees 05 minutes 57 seconds N., and long. 91 degrees 25 minutes 00 seconds W., NAD 27.

Option 3 – Go to Web Soil Survey, create the area of interest (AOI), and click on the Soil Data Explorer tab. Then click on the Soil Reports sub-tab. In the menu on the left side, expand the AOI Inventory option. Select Map Unit Description and click on View Soil Report. The soils will appear in the window, and drainage class is under the Properties and Qualities section of each soil type.

\leftrightarrow \rightarrow C \triangle	websoilsurvey.sc.egov.usda.gov/App/	WebSoilSurvey.aspx	Ŕ	☆	1 ()) E .
Soli Chemical Prop	erties 🕜 🥹					
Soil Erosion	2 3	161D2—Fivepoints silt loam, 12 to 20 percent slopes, moderately eroded Map Unit Setting				
Soil Health	2 3	National map unit symbol: 2xnbf				
Soil Physical Prope	rties 🔇 🎯	Elevation: 800 to 1,400 feet Mean annual precipitation: 31 to 39 inches				
Soil Qualities and F	•••	Mean annual air temperature: 41 to 50 degrees F Frost-free period: 120 to 190 days				
Vegetative Product		Frost-rive period: 120 to 120 days Farmland classification: Not prime farmland				
Waste Managemen	t 🕜 🎯	Map Unit Composition				
Water Features	2 3	Fivepoints and similar soils: 95 percent				
Water Managemen	t 🕜 🎯	Minor components: 5 percent				
Wildlife Manageme	nt 🕜 🎯	Estimates are based on observations, descriptions, and transects of the mapunit.				
		Description of Fivepoints Setting				
		Landform: Ridges Landform position (two-dimensional): Shoulder Landform position (three-dimensional): Interfluve Down-slope shape: Convex Across-slope shape: Linear Parent material: Loess over brown clayey pedisediment over loamy residuum weathered from dolomite				
		Typical profile				
		Ap - 0 to 8 inches: sill loam Bt1 - 8 to 10 inches: silly clay loam 2Bt2 - 10 to 19 inches: clay 3Bt3 - 19 to 35 inches: very channery loam 3Rt - 35 to 79 inches: beforck				
		Properties and qualities				
		Sloop 12 to 20 percent Depth to restrictive feature: 10 to 55 inches to lithic bedrock Drainage class: Well drained Capacity of the most limiting layer to transmit water (Ksat): Low to moderately high (0.01 to 0.20 in/hr) Depth to water this More than 80 inches Frequency of flooding: None Frequency of flooding: None Calcium carbonate, maximum content: 5 percent Available water supply, 0 to 60 inches: Low (about 4.3 inches)				
		Interpretive groups				
		Land capability classification (irrigated): None specified Land capability classification (nonirrigated): 6e				-

The next column in the table provides some general beneficial **uses** of the species. This list is not all-inclusive and is meant to provide a starting point for further research.

The final column before the species recommendation is **exposure.** This refers to the amount of sunlight present on the site. Planting sites like fields and clearcut areas would be considered open. Sites with partial tree cover, like a shelterwood silvicultural system or gaps within a forest, would be considered partial shade. Fully stocked forested sites would be considered shade. There is professional forestry judgement required, taking future management actions into account, to determine exposure in some situations.

The **Recommended Species** column provides options for planting to fit the parameters determined in the previous columns. These options are those species most commonly present in the selected conditions. The list is not all inclusive, and requests for species not on the list can be submitted to the area office for NRCS state forester approval.

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide **Adams County**

		Adams County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Black Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
89	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Central Sand Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-MW	Fence Posts, Tool Handles, Upland Wildlife Habitat	Partial Shade, Shade	Red Mulberry
	W-SP	Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade	River Birch
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Riparian Wildlife Habitat	Open	Peachleaf Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Black Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Central Sand Hills	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Fence Posts, Tool Handles, Upland Wildlife Habitat	Partial Shade, Shade	Red Mulberry
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Riparian Wildlife Habitat	Open	Peachleaf Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
CD D			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Adams County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crabapple (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

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

^P*Shrub that is suitable for pollinator planting.*

Wisconsin Native Tree Guide Ashland County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
92	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Superior Coastal Plain	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
93B & 90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
North Central Polest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	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	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

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

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Ashland County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis subsp. crispa)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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

July 2023

^P Shrub that is suitable for pollinator planting. ⁴Ensure that European highbush cranberry is not planted. European highbush cranberry is Viburnum opulus or Viburnum opulus var. opulus – note that it does not have the "var. americanum" as part of the Latin name and would not be called Viburnum trilobum.

Wisconsin Native Tree Guide Barron County

Drainage Class	Uses	Exposure	Species Recommended
		1	Jack Pine
		1 /	Bur Oak
		,	Sugar Maple ¹
		Open, Partial Shade	Shagbark Hickory
		Open	Bigtooth Aspen
		Open, Partial Shade	Balsam Fir
		Open	Red Pine
W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
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 ³
W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	Open, Partial Shade	White Spruce
MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open	Red Maple
	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open	Balsam Poplar
	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
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, 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
	Class E-W E-W W W W-MW W-SP MW-SP MW-SP MW-SP MW-SP MW-SP MW-SP SP-P SP-P SP-P SP-P P-VP P-VP P-VP P-VP	ClassUsesE-WForest Products, Upland Wildlife Habitat,E-WForest Products, Upland Wildlife Habitat,WForest Products, Upland Wildlife Habitat,WForest Products, Upland Wildlife HabitatWForest Products, Upland Wildlife HabitatW-MWForest Products, Riparian and Upland Wildlife Habitat,W-MWForest Products, Riparian and Upland Wildlife Habitat,W-MWForest Products, Riparian and Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife HabitatW-MWForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,W-SPForest Products, Upland Wildlife Habitat,W-SPForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,W-MWForest Products, Upland Wildlife Habitat,MW-SPForest Products, Rip	ClassUsesExposureE-WForest Products, Upland Wildlife Habitat,Open,E-WForest Products, Upland Wildlife Habitat,Open, Partial Shade, ShadeWForest Products, Upland Wildlife Habitat,Partial Shade, ShadeWForest Products, Upland Wildlife Habitat,Open, Partial Shade, ShadeWForest Products, Riparian and Upland Wildlife Habitat,Open, Partial ShadeW-MWForest Products, Riparian and Upland Wildlife Habitat,Open, Partial ShadeW-MWForest Products, Upland Wildlife Habitat,OpenW-MWForest Products, Upland Wildlife HabitatOpenW-MWForest Products, Upland Wildlife HabitatOpenW-MWForest Products, Upland Wildlife HabitatOpenW-MWForest Products, Upland Wildlife HabitatOpenW-MWForest Products, Upland Wildlife HabitatOpen, Partial Shade, ShadeW-MWForest Products, Upland Wildlife Habitat,Open, Partial ShadeM-SPFor

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
CD D			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Barron County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

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

^P*Shrub that is suitable for pollinator planting.*

Wisconsin Native Tree Guide Bayfield County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
92	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Superior Coastal Plain	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open Open Dertial Shada	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P SP-P	Riparian/Flood Plain Wildlife Habitat	Open Open Dortial Shada	Silver Maple
	P-VP	Forest Products, Riparian Wildlife Habitat Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak Tamarack
	P-VP P-VP	Forest Products, Wetland Wildlife Habitat	Open Open, Partial Shade	Black Spruce

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
91B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Northwest Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Inorthiwest Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting.

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Bayfield County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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

^P*Shrub that is suitable for pollinator planting.*

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Brown County

Major Land		Wisconsin Native Tree Guide - Brown County		
Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
95A	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Central Lake Michigan	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Coastal	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce
Duainago Class: E-En	assing W-W	Vell MW=Moderateby Well SP=Somewhat Poorby P=Poorby VP=Very Poorby	·	· •

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Brown County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Tree Guide Buffalo County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Ruges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

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Drainage	e Statewide Species				
Class	Uses	Exposure	Recommended		
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)		
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P		
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P		
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P		
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P		
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P		
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P		
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P		
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P		
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P		
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P		
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P		
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P		
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P		
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P		
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P		
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P		
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P		
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P		
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)		
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)		
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P		
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P		
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P		
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P		
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P		
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P		
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P		
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum		
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	trilobum,aka Viburnum opulus var. americanum) ^{4,P} Downy Arrowwood (Viburnum rafinesquianum) ^P		
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P		
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,		
51-1	browse and cover, meight 15, Repartan rolests		aka Cornus amomum subsp. obliqua) ^P		
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P		

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Drainage	Uses	Exposure	Species
Class		Exposure	Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Buffalo County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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

^P*Shrub that is suitable for pollinator planting.*

Wisconsin Native Tree Guide Burnett County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	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 ³
90A	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Torest Hansition	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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
91B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Northwest Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Burnett County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
MW-SP	Fruit and Cover, Height-15', Forms Thickets, Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Shade	Beaked Hazelnut (Corylus cornuta)

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

^P*Shrub that is suitable for pollinator planting.*

WISCONSIN FORESTRY TECHNICAL NOTE 1 **APPENDIX A** WISCONSIN NATIVE TREE GUIDE

Calumet County

		Cardinet County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
95A	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
North Lake Michigan	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
i mins	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Calumet County Statewide

Drainage	Statewide	Species	
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Calumet County

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Calumet County

	ainage Class	Uses	Exposure	Species Recommended
E	E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E	E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
S	SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Wisconsin Native Tree Guide - Chippewa County

Major Land		Wisconsmi Mative Tree Guide - Emppewa County		
Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
90A North Central	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
Forest &	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
90B Forest	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Transition &	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
105 Western	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
Coulees and Ridges	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
Couloes and Huges	MW-P	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	-	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
~			aka Cornus amomum subsp. obliqua) ^{P}
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Chippewa County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Clark County

Major Land		wisconsin Native Tree Guide - Clark County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
90B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
89	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Central Sand Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Contrar Suna Fiams	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
105	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
Ridges	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Triages	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	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, Wetland Wildlife Habitat	Open	Tamarack

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¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
LID			stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Clark County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

^P*Shrub that is suitable for pollinator planting.*

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Columbia County

		Columbia County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Central Sand Hills	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting.

July 2023

Drainage	Uses	Exposure	Species
Class		Exposure	Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
			stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Columbia County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P

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

^P*Shrub that is suitable for pollinator planting.*

Wisconsin Native Tree Guide Crawford County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W E-SP	Forest Products, Upland Wildlife Habitat, Wildlife Habitat,	Open	Bur Oak Eastern Redcedar
	E-SP W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open Open	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W-MW	Forest Products, Upland Wildlife Habitat	1	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	
	W-MW	Forest Products, Upland Wildlife Habitat,	Open Open, Partial Shade	Quaking Aspen Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
105	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Exposure	Species
Class		-	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Drainage	Uses	Exposure	Species
Class		Enposure	Recommended
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Crawford County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^p
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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

^P*Shrub that is suitable for pollinator planting.*

Wisconsin Native Tree Guide Dane County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
		Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W W	Upland Wildlife Habitat, Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Shagbark Hickory Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut Bigtooth Aspen
	W-MW	*	Open	<u> </u>
		Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³ Northern White Cedar
	MW-P MW-SP	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade Open, Partial Shade	American Elm ³
			1 2	
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW W-MW	Forest Products, Upland Wildlife Habitat,	Open Det 1 Shell	Quaking Aspen Northern Red Oak
	W-MW W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat, Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Black Cherry
105	W-MW	Forest Products, Upland Wildlife Habitat	1	~
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch Butternut ²
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open Open, Partial Shade	American Basswood
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	-		Black Willow
		Riparian Wildlife Habitat	Open	
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	-	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Dane County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Flowers, and Fruit, Forests	Open-Partial Shade	Black-haw Viburnum (Viburnum prunifolium) ^p
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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

^P*Shrub that is suitable for pollinator planting.*

July 2023

Wisconsin Native Tree Guide **Dodge County**

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
050	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
95B Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
Plains	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Plains	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Class Cver Full Cover and Fruit, Height-57, Forests Open-Partial Shade Bearberry (Arctostuphylos uva-ursi) E-W Browse and Cover, Height-20, Forests Open N. Bash Honeysackle (Diervilla Ionicera) [#] E-W Browse, Furit and Flowers, Height-30, Forms Thickets, Oak Savanna Open Choke Cherry (Prunus virginiana) ^a E-W Browse, and Fruit, Height-67, Forms Thickets, Forests Open-Partial Shade Carolina (Pasture) Rose (Rosa carolina) ^a E-W Browse and Fruit, Height-67, Forms Thickets, Forests Open Blueberry (Vaccinium sp.) ^d E-W Browse and Fruit, Height-67, Forests Open Common Ninebark (Physocarpus opulifolius) ^a E-W Browse and Fruit, Height-7, Forms Thickets, Forests Open Common Ninebark (Physocarpus opulifolius) ^a W Cover, Height-17, Grasslands Open Common Ninebark (Physocarpus opulifolius) ^a W Fruit and Cover, Height-27, Forests Open Partial Shade-Shade Alternatical (Pagoda) Dogwood (Cornus alternifolia) ^a W-MW Browse and Fruit, Height-57, Forests Open Partial Shade Alternatical (Pagoda) Dogwood (Cornus alternifolia) ^a W-MW Browse and Fruit, Height-57, Forests Open Partial	Drainage	Statewide	_	Species
E-W Browse and Cover, Height-20, Forests Open N. Bush Honeysuckic (Diervilla Ionicera) ^k E-W Browse, Fruit and Flowers, Height-30, Forms Thickets, Oak Savanna Open Staghorn Sumac (Rhus typhina) ^k E-W Browse and Cover, Height-30, Forms Thickets, Forests Open Busherry (Vaccinum sp.) ^k E-W Browse and Fruit, Height-10, Cornes Thickets, Forests Open Buberry (Vaccinum sp.) ^k E-W Browse and Fruit, Height-10, Cornests Open Common Blackberry (Rubus allegheniensis) ^k E-W Browse and Fruit, Height-10, Crasslands Open Common Ninebark (Physocarpus opalifolius) ^k W Cover, Height-10, Crasslands Open Common Ninebark (Physocarpus opalifolius) ^k W-MW Browse and Fruit, Height-2, Forests Open Soowberry (Symphoricarpos albus) ^k W-MW Browse and Fruit, Height-2, Forests Open-Partial Shade Gray Dogwood (Cornus alternifolius) ^k W-MW Browse and Fruit, Height-2, Forests Open-Partial Shade Gray Dogwood (Cornus racemosa) ^k W-MW Browse, Fruit and Cover, Height-5, Forests Open Pin Cherry (Prunus pensylvanica) ^k W-MW Browse, Fruit and Cover, Height-5, Forests Open Partial Shade Partial Shade W-MW Browse, Fruit and Cover, Height-5, Forests Open Partial Shade Partia		Uses	Exposure	-
E-W Browse, Pruit and Plowers, Height-30°, Forests Open Choke Cherry (Prunus virginian)" E-W Browse, Pruit and Plowers, Height-30°, Forms Thickets, Coak Savanna Open Staghorn Sumae (Rhus typhina)" E-W Browse and Fruit, Height-1°, Open Forests, Barens Open Blueberry (Vaccinium sp.)" E-W Browse and Fruit, Height-6°, Forms Thickets, Forests Partial Shade-Shade Maplefact Yinburnum (Viburnum acerifolium)" E-W Browse, Fruit and Cover, Height-1°, Forests Open Common Ninebark (Physocarpus opulifolius)" W Cover, Height-1°, Forests Open Sonwberry (Symphoricarpos albus)" W-MW Browse and Fruit, Height-1°, Forests Open Sonwberry (Symphoricarpos albus)" W-MW Browse and Fruit, Height-1°, Forests Open Sonwberry (Symphoricarpos albus)" W-MW Browse and Fruit, Height-1°, Forests Open Sonwberry (Symphoricarpos albus)" W-MW Browse and a Cover, Height-1°, Late Fall Flower, Forests Open Partial Shade Gray Degwood (Cornus alternifolia)" W-MW Browse, Fruit and Cover, Height-1°, Forests Open Pin Cherry (Prunus pensylvanica)" W-MW Browse, and Fruit, Height-1°, Forests Open Black Raspberry (Rubus occidentalis)" W-MW Browse, And Fruit, Height-2°, Forests Open Black Raspberry (Rubus occidentalis)"	E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
F-W Browse, Fruit and Flowers, Height-30, Forms Thickets, Forests Open Staghorn Sumac (Rhus typhina) ^P E-W Browse and Cver, Height-7, Forms Thickets, Forests Open-Partial Shade Carolina (Pasture) Rose (Rose aconina) ^P E-W Browse and Fruit, Height-1, Open Forests, Barrens Open Common Blackberry (Rubus all Eghenicies) ^P E-W Browse, Fuit and Cover, Height-2, Forests Open Common Nincbark (Physocarpus opulfollius) ^P W Cover, Height-10, Grasslands Open Snowberry (Symphoricarpos allus) ^P W-MW Browse and Fruit, Height-2, Forests Open Snowberry (Symphoricarpos allus) ^P W-MW Browse and Fruit, Height-2, Forests Open-Partial Shade Alternatelear (Pagoda) Dogwood (Cornus alternitolia) ^P W-MW Browse and Fruit, Height-5, Forests Open-Partial Shade Prickly Gooseberry (Ribes cynoshati) ^P W-MW Browse, Fruit and Cover, Height-5, Forests Open Black Rasphory (Rubus occidentalis) ^P W-MW Browse, Fruit and Cover, Height-10, Forns Thickets, Frairie-Sandads Open Black Rasphory (Rubus occidentalis) ^P W-MW Browse, Fruit and Cover, Height-10, Forms Thickets, Forests Open Black Rasphory (Rubus occidentalis	E-W	Browse and Cover, Height-4', Forests	Open	
F-W Browse and Cover, Height-5', Forms Thickets, Forests Open Carolina (Pasture) Rose' (Rosa carolina)" E-W Browse and Fruit, Height-6', Forests Partial Shade-Shade Maplead Yuburuun acerifolium)" E-W Browse and Fruit, Height-6', Forests Open Blueberry (Vaccinium sp.)" E-W Browse and Fruit, Height-6', Forests Open Common Blackberry (Rubus allegheniensis)" W Cover, Height-10', Grasslands Open Common Blackberry (Rubus allegheniensis)" W Cover, Height-10', Grasslands Open Snowberry (Symphoricarpos albus)" W-MW Browse and Fruit, Height-5', Forms Thickets, Forests Open-Partial Shade Snowberry (Symphoricarpos albus)" W-MW Browse and Fruit, Height-5', Forests Open-Partial Shade Mich-Hazel (Hamamelis virginiana)" W-MW Browses, Fruit and Cover, Height-5', Forests Open Pincktroposcherry (Rubus occidentalis)" W-MW Browses, Fruit and Cover, Height-6', Forests Open Black Raspberry (Rubus occidentalis)" W-MW Browse, And Fruit, Height-6', Forests Open Hawthones (Cratagues sp.)" W-MW Browse and Fruit, Height-6', Forests Open Hawthones (Cratagues sp.)" W-MW	E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W Browse and Fruit, Height-1', Open Forests, Barrens Open Blueberry (Vaccinium p.)* E-W Browse, Fruit and Cover, Height-6', Forests Partial Shade-Shade Maplelad' Viburnum (Viburnum cerifolium)* E-W Browse, Fruit and Cover, Height-10', Grasslands Open Common Ninebark (Physocarpus opulfiolius)* W Cover, Height-10', Grasslands Open Snowberry (Symphoricarpos albus)* W-MW Browse and Fruit, Height-2', Forests Open Alternatelear (Pagoda) Dogwood (Cornus aternisola)* W-MW Browse and Fruit, Height-2', Forests Open-Partial Shade Gray Dogwood (Cornus aternisola)* W-MW Browse and Fruit, Height-2', Forests Open Pin Cherry (Prunus pensylvanica)* W-MW Browse and and Cover, Height-5', Forests Open Pin Cherry (Prunus pensylvanica)* W-MW Browse, Fruit and Cover, Height-5', Forests Open Black Raspberry (Rubus cocidentalis)* W-MW Browse, Fruit and Cover, Height-5', Forests Open Hawthorns (Cratacgus sp.)* W-MW Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna Open Partial Shade Sand Cherry (Prunus pensila)* W-MW Browse and Fruit, Height-5', Forests Open Partial Shade-Shade American Hazelnat (Corylus americana) W-MW Browse and Nuts, Height-10', Forms Thickets, Forests Open	E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W Browse and Fruit, Height-6, Forests Partial Shade-Shade Mapleleaf Viburnum (Viburnum acerifolium) [#] E-MW Browse, Fruit and Cover, Height-7, Forests Open Common Blackherry (Rubus allepheniensis) [#] W Cover, Height-10, Grasslands Open Snowberry (Symphoricarpos albus) [#] W-MW Browse and Fruit, Height-6, Fornst Thickets, Forests Open-Partial Shade Alternateleaf (Pagoda) Dogwood (Cornus racemosa) [#] W-MW Browse and Fruit, Height-7, Forests Open-Partial Shade Mitch-Hazel (Hamanelis virginiana) [#] W-MW Browse and Fruit, Height-7, Forests Open Pin Cherry (Prunus penylvanica) [#] W-MW Browse, Fruit and Cover, Height-7, Forests Open Pin Cherry (Prunus penylvanica) [#] W-MW Browse, Fruit and Cover, Height-7, Forests Open Black Rasperry (Rubus occidentalis) [#] W-MW Browse, Fruit and Cover, Height-7, Forests Open Hawthorns (Cratacgus sp.) [#] W-MW Browse and Cover, Height-7, Forests Open Hawthorns (Cratacgus sp.) [#] W-MW Browse and Cover, Height-7, Forests Open Hawthorns (Cratacgus sp.) [#] W-MW Browse and Cover, Height-7, Forests Open-Partial Shade Sand Cherry (Prunus pumila) [#]		Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	
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SP-P Browse and Fruit, Height-6', Forests Open-Partial Shade Winterberry (Ilex verticillata) ^P	SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P Browse, Fruit and Cover, Height-3', Forests Open Gooseberry (Ribes hirtellum) ^P	SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	
	SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Dodge County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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

^P*Shrub that is suitable for pollinator planting.*

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide **Door County**

Major Land		Door County		
Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
95A	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Northern Lake	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Michigan Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Statewide	Species	
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Door County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
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 (Dasiphora fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Tree Guide Douglas County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class		Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
00.4	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Northwest Lowlands	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	P-VP	Forest Products, Riparian Wildlife Habitat Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP P-VP		Open Open Dortial Shada	Tamarack
	P-VP P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce Black Willow
	P-VP	Riparian Wildlife Habitat	Open	DIACK WINOW

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
92	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Superior Coastal Plain	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Superior Coastar Fiam	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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
91B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Northwest Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

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

^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Douglas County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attractive Flowers, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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

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July 2023

Wisconsin Native Tree Guide

Dunn County

Maton Land		Dunn County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	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
90B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Western Prairie	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
104 0 105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
104 & 105 Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Riuges	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	_	Species	
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum	
		$\mathbf{D} = \mathbf{D} + (1, 0) + 1$	trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	aka Cornus amomum subsp. obliqua) ^P Winterberry (Ilex verticillata) ^P	
SP-P SP-P	Browse and Fruit, Height-0, Forests Browse, Fruit and Cover, Height-3', Forests	Open Open	Gooseberry (Ribes hirtellum) ^P	
51-1	Drowse, Fruit and Cover, fieight-5, Forests	Open	Gooseberry (Ribes ninenum)	

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

^PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Dunn County

Drainage	Uses	Exposure	Species	
Class	0.505	Laposure	Recommended	
E	Wildlife Browse and Cover, Windbreak/Shelterbelt Height-2'	Partial Shade-Sun	Sweet Fern (Comptonia peregrina)	
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P	
W-MW	Wildlife Cover, Forests	Shade Tolerant	Eastern Wahoo (Euanymus atropurpurea) ^P	
W-MW	Cover, Height-6', Attractive Flowers, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P	
W-MW	Windbreak/Shelterbelt Height-12', Wildlife Seed and Cover	Full Sun	Smooth Sumac (Rhus glabra) ^P	
MW-P	Wetland Wildlife Habitat	Partial Shade-Sun	American Bladdernut (Staphylea trifolia) ^P	

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July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Eau Claire County

Major Land				
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Black Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
89	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Central Sand Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-MW	Fence Posts, Tool Handles, Upland Wildlife Habitat	Partial Shade, Shade	Red Mulberry
	W-SP	Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade	River Birch
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Riparian Wildlife Habitat	Open	Peachleaf Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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
00D	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
90B Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
105	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Eau Claire County

Drainage Class	Uses	Exposure	Species Recommended
			Kecommenueu
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

Wisconsin Native Tree Guide Florence County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
94B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
94D Northeast Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Northeast Salius	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

D '	Statewide					
Drainage	Uses	Exposure	Species			
Class E-W	Concern 1 East H 114 51 East M 4	_	Recommended			
E-W E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)			
	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^{P}			
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P			
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P			
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P			
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P			
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P			
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P			
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P			
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P			
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P			
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P			
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P			
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P			
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P			
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P			
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P			
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P			
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P			
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)			
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)			
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P			
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P			
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P			
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P			
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P			
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P			
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P			
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}			
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P			
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P			
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P			
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P			
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P			

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Drainage	Uses	Exposure	Species Bassers dad
Class		-	Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
			stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Florence County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Fond du Lac County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
95B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
Plains	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
1 141115	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

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²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	e Statewide Species			
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum	
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Fond du Lac County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

Wisconsin Native Tree Guide Forest County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Forest County

Drainage Class	Uses	Exposure	Species Recommended
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Grant County

Major Land Resource Area WDNR Ecological Landscape	Drainage Class E-W	Uses	Exposure	Species Recommended Jack Pine
	E-W E-W	Forest Products, Upland Wildlife Habitat, Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
			Open	
	E-SP W	Wildlife Habitat, Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open Open, Partial Shade	Eastern Redcedar Chinkapin Oak
	W	Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	1 2	Bigtooth Aspen
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open Open, Partial Shade	Northern Red Oak
105	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open Open	Black Cherry
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	1	Paper (White) Birch
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open Open	Butternut ²
Southwest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Savanna	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	rainage Statewide Statewide Statewide Species					
Class	Uses	Exposure	Recommended			
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)			
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P			
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P			
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P			
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P			
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P			
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P			
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P			
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P			
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P			
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P			
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P			
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P			
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P			
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P			
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P			
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P			
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P			
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P			
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)			
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)			
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P			
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P			
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P			
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P			
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P			
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P			
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P			
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}			
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P			
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P			
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,			
			aka Cornus amomum subsp. obliqua) ^P			
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P			
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P			

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
			stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Grant County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^p
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

Wisconsin Native Tree Guide - Green Lake County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Black Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
- Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Sand Hills	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Eurogung	Species
Class		Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Green Lake County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Green County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
F	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
105 Southwest Savanna	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Southwest Savanna	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
F	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
-	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
ľ	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
F	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
-	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
-	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
-	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
-	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	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Shrub Guide Statewide

Drainage Class	Uses	Exposure	Species Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage	Uses	Exposure	Species	
Class		Exposure	Recommended	
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P	
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P	
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P	
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)	
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P	
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus	
			stolonifera) ^P	
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)	

Additional Shrubs Appropriate for Planting in Green County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Iowa County

		wisconsin Native Tree Guide - Towa County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
0	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: *E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly* ^P Shrub that is suitable for pollinator planting. July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Iowa County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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July 2023

Wisconsin Native Tree Guide Iron County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
93B & 90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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
94D	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Northern Highland	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Uses	Eurosuus	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum,
			aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Iron County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Jackson County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
20	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
89 Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
1 141115	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Black Maple
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Jackson County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide **Jefferson County**

		Jenerson County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
Landsonpe	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Have	Emeran	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Jefferson County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Juneau County

Major Land		Juneau County		
Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
89	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Ridges	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

July 2023

Wisconsin Native Shrub Guide Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Brose, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Juneau County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Kenosha County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
95B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

WISCONSIN FORESTRY TECHNICAL NOTE 1

APPENDIX A

		AFFENDIX A		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	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,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
110	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southern Lake	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Michigan	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Coastal	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4, P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
D · (Jass: E-Example W-Wall MW-Moderately Wall SP-Somewhat Poorly P-Doc	-	

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
			stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Kenosha County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Flowers, and Fruit, Forests	Open-Partial Shade	Black-haw Viburnum (Viburnum prunifolium) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Tree Guide - Kewaunee County

		wisconsin Native Tree Guide - Kewaunee County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
95A	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Central Lake	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Michigan	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Northern Lake	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Michigan	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Coastal	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	_	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Kewaunee County

Drainage Class	Uses	Exposure	Species Recommended
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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Wisconsin Native Tree Guide La Crosse County

M ' T 1		La Crosse County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
Lanuscape	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	_	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in La Crosse County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Lafayette County

M T				
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Southwest Savanna	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	te Line Statewide Species				
Class	Uses	Exposure	Recommended		
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)		
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P		
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P		
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P		
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P		
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P		
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P		
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P		
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P		
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P		
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P		
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P		
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P		
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P		
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P		
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P		
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P		
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P		
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P		
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)		
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)		
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P		
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P		
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P		
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P		
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P		
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P		
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P		
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}		
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P		
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P		
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P		
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P		
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P		
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P		

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Lafayette County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Langlade County

		Langrade County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
90B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Transition	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
North	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	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	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Drainage	Uses Exposure		Species
Class		Exposure	Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Langlade County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Lincoln County

		Lincoln County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
90B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Forest	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
North Central	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
94D	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Northern	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Highland	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
C	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Lincoln County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Manitowoc County

Major Land Resource Area & WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
95A	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Central Lake	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Michigan	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Coustai	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat,	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian and Upland Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat,	Open, Partial Shade	Swamp White Oak
	SP-P	Forest Products, Riparian Wildlife Habitat	Open	Silver Maple
	P-VP	Riparian/Flood Plain Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	_	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended	
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P	
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P	
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P	
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)	
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P	
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P	
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)	

Additional Shrubs Appropriate for Planting in Manitowoc County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

Wisconsin Native Tree Guide Marathon County

		Maratnon County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90A & 90B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat,	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P
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Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

July 2023

Drainage	Uses	Exposure	Species	
Class		P • • • • • •	Recommended	
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P	
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P	
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P	
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)	
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P	
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P	
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)	

Additional Shrubs Appropriate for Planting in Marathon County

Drainage	Uses	Exposure	Species		
Class		Exposure	Recommended		
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)		
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P		
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)		
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P		

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Wisconsin Native Tree Guide Marinette County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
North Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	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	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
94B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Northeast	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
2 411 42	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
95A	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
Northern	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Lake	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Michigan	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Coastal	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	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,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Marinette County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
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 (Dasiphora fruticosa)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
P-VP	Pollinators and fruit, Wetlands	Open-Partial Shade	Northern Wild-Raisin (Viburnum cassinoides, aka Viburnum nudum var. cassinoides) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide **Marquette Countv**

		Marquette County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Hills	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Marquette County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Menominee County

		Menominee County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
94B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Northeast	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Sands	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	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Menominee County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

Wisconsin Native Tree Guide **Milwaukee County**

		Milwaukee County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
95A	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Central Lake	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Michigan Coastal	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Coastai	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	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,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
110	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Southern	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Lake	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Michigan Coastal	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Coastai	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	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	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Milwaukee County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Flowers, and Fruit, Forests	Open-Partial Shade	Black-haw Viburnum (Viburnum prunifolium) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Monroe County

		Monroe County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
89	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Black Maple
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
105	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Idages	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Monroe County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

Wisconsin Native Tree Guide **Oconto County**

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
North Central	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
04D	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
94B Northeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
Sands	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
95A	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Northern	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Lake	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Michigan Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Coastai	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Suitable for Planting in Oconto County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P
P-VP	Pollinators and fruit, Wetlands	Open-Partial Shade	Northern Wild-Raisin (Viburnum cassinoides, aka Viburnum nudum var. cassinoides) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Oneida County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
00 4	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
90A North	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
101030	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
0.45	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
94D Northern	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Highland	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
підпіана	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Oneida County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^p
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Outagamie County

Major Land Resource Area & Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95A	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
Northern	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
Lake	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Michigan	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Coastal &	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Central Lake	W-MW	Forest Products, Wildlife Habitat	Partial Shade	Yellow Birch ¹
Michigan	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Coastal	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	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, 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species	
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Outagamie County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

Wisconsin Native Tree Guide **Ozaukee County**

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
05D 05A 8 110	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B, 95A & 110 Southeast Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Plains, Central	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Lake Michigan	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Coastal & Southern	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
Lake Michigan	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Coastal	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
Coustur	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Ozaukee County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Pepin County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
104 & 105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

July 2023

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide Species			
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023

Drainage	Uses	Exposure	Species
Class		P • • • • • •	Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Pepin County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Pierce County

		wisconsin Native Tree Guide - Pierce County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
90B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Prairie	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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
	1-11		open	DIGCK WINOW

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
104	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
Western	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Pierce County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 **APPENDIX A** Wisconsin Native Tree Guide

Polk County

Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W E-W	Forest Products, Upland Wildlife Habitat, Forest Products, Upland Wildlife Habitat,	Open	Jack Pine Bur Oak
			Open, Partial Shade	
	W W	Forest Products, Upland Wildlife Habitat, Forest Products, Upland Wildlife Habitat	Partial Shade, Shade Open, Partial Shade	Sugar Maple ¹ Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bigtooth Aspen
	W-MW	Forest Products, Opfand wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
90A & B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Transition &	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Western Prairie	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Prairie	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
91B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Northwest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Sands	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 ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: *E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly* ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Polk County

Drainage Class	Uses	Exposure	Species Recommend
			ed
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Portage County

Major Land		Wisconsin Native Tree Guide - Portage County		
Resource				
Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90A & B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
89	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
95B	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
Central Sand	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
Hills	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Portage County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Height-6', Attractive Flowers, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Price County

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P-VP Riparian Wildlife Habitat Open Black Willow				Open, Partial Shade	
		P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
94D	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Northern	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Highland	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Inginana	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Price County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting.

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Racine County

		Kacine County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
-	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
-	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
-	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	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,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
110	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
110	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Southern	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Lake Michigan	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Coastal	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Coastai	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	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	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Riparian Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide	_	Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Racine County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Flowers, and Fruit, Forests	Open-Partial Shade	Black-haw Viburnum (Viburnum prunifolium) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Richland County

		Richand County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Western Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area. July 2023

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Richland County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^p
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^p
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Rock County

		Nock County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Rock County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Flowers, and Fruit, Forests	Open-Partial Shade	Black-haw Viburnum (Viburnum prunifolium) ^p
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Rusk County

	Rusk County				
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended	
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine	
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak	
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹	
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen	
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir	
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine	
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²	
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood	
00.4	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory	
90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³ ₂	
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen	
rorest	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak	
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak	
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine	
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³	
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat,	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 ³	
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry	
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood	
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar	
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple	
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak	
	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	

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Rusk County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Sauk County

Materia		wisconsin Native Tree Guide - Sauk County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
89	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Black Maple
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
105	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
Western	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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 WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
95B	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
Central Sand	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
Hills	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
11115	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Sauk County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Sawver County

		Sawyer County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
90A	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
North Central	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Forest	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat,	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Sawyer County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide - Shawano County

MajorLand		Wisconsin Native Tree Guide - Shawano County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Transition	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat,	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
94B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Northeast	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Sands	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Sullas	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 ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95A	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
95A Central Lake	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
Michigan	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Coastal	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Coastai	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar

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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	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, 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 Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Shawano County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 **APPENDIX A** Wisconsin Native Tree Guide Sheboygan County

		Sneboygan County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
05 4	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
95A Central Lake	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Michigan	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Coastal	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
Coastai	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-MW	Forest Products, Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
95B	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood

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
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Sheboygan County

Drainage Class	Uses	Exposure	Species Recommended
E	Browse, Cover and Fruit, Height-7', Forms Thickets, Sand Barrens, Dry Prairie	Open	Fragrant Sumac (Rhus aromatica) ^P
E-W	Browse, Fruit and Cover, Height-6', Forests	Open	Russet Buffalo Berry (Shepherdia canadensis)
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Cover, Height, Height-1-6', Forms Thickets, Forests and Savannas	Open-Partial Shade	Fragrant Sumac (Rhus aromatica) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W	Browse and Cover, Height-1', Forms Mats, Lake Dunes and Sandy Soils	Open	Creeping Juniper (Juniperus horizontalis)
W-MW	Flowers and Cover, Height-4', Grasslands and Forests	Open	Shrubby St. Johns-wort (Hypericum prolificum) ^P
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide St. Croix County

Materia		St. Croix County		
Major Land Res. Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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	Partial Shade, Shade	Black Maple
00D	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
90B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Western Prairie	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Prairie	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat,	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in St. Croix County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide **Taylor County**

		Taylor County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
90A & B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
North	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest &	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat,	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly PShrub that is suitable for pollinator planting.

July 2023

Drainage	Uses	Exposure	Species
Class		L	Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus
	-	_	stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Taylor County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Trempealeau County

		I rempeateau County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Ridges	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Trempealeau County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

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WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Vernon County

-		Vernon County		
Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Upland Wildlife Habitat,	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	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
105	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Western	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Coulees and	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Ridges	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 ³
	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	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	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	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Vernon County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Vilas County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
93B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
North Central	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
1 01050	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	P-VP	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
040	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
94D Northern	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Highland	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
riigilialiu	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Vilas County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Cover, Fruit, Height 3-6', Forest Edges and Gaps	Open-Partial Shade	Thimbleberry (Rubus parviflorus) ^P

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July 2023

Wisconsin Native Tree Guide Walworth County

		waiworth County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Glacial	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian/Flood Plain Wildlife Habitat	Open	Silver Maple
	SP-VP	Riparian/Flood Plain Wildlife Habitat	Open	American Sycamore
	P-VP	Riparian Wildlife Habitat	Open	Black Willow
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Walworth County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^p
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^PShrub that is suitable for pollinator planting. July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Washburn County

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P-VP Forest Products, Wetland Wildlife Habitat Open Tamarack		SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
			Riparian Wildlife Habitat	Open	Silver Maple
		P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
P-VP Forest Products, Wetland Wildlife Habitat Open, Partial Shade Black Spruce		P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce
P-VP Riparian Wildlife Habitat Open Black Willow		P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
00.4	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
North Central Forest	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
rorest	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	Partial Shade, Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Balsam Poplar
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	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	Forest Products, Riparian 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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

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Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
91B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Yellow Birch ¹
Northwest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Eastern Hemlock
Sands	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Rock Elm ³
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	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,	Open, Partial Shade	Northern White Cedar
	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	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	e Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum,aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly P Shrub that is suitable for pollinator planting.

July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Washburn County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse and Cover, Height-10', Forms Thickets, Forests	Open-Partial Shade	Mountain Alder (Alnus viridis)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Washington County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
95B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

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Wisconsin Native Shrub Guide Statewide

Drainage	ge Statewide Species			
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum	
		0 D (101 1	trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Washington County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P
P-VP	Pollinators and fruit, Wetlands	Open-Partial Shade	Northern Wild-Raisin (Viburnum cassinoides, aka Viburnum nudum var. cassinoides) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Waukesha County

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Firewood, Upland Wildlife Habitat (Best grown on alkaline limestone-based soils)	Open, Partial Shade	Chinkapin Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
95B	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted. ³All native elms are susceptible to Dutch Elm Disease, which eventually kills the tree. Limit elm to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide Statewide

Drainage	ge Statewide Species			
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum	
			trilobum,aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Wisconsin Native Shrub Guide

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Waukesha County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open-Partial Shade	Shrubby Cinquefoil (Dasiphora fruticosa)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
MW-SP	Cover, Height-15', Forests	Open-Partial Shade	Bladdernut (Staphylea trifolia) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P
SP-P	Browse and Cover, Height-10', Riparian Forests, Forms Thickets	Open-Partial Shade	Eastern Wahoo (Euonymus atropurpureus) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Waupaca County

Major Land		waupaca County		
Resource				
Area (MLRA)	Drainage			Species
WDNR	Class	Uses	Exposure	Recommended
Ecological	Class			Recommended
Landscape				
Landscape	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	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-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90A	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
90A Forest	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³ ₂
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	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, 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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Hills	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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Major Land				
Resource Area				
Ecological	Drainage	Uses	Exposure	Species
Landscape	Class		-	Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
95A	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
Central Lake	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Michigan	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Coastal	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry
	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,	Open, Partial Shade	Northern White Cedar
	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, 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 Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Waupaca County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P
P-VP	Pollinators and fruit, Wetlands	Open-Partial Shade	Northern Wild-Raisin (Viburnum cassinoides, aka Viburnum nudum var.
			cassinoides) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P*=*Shrub that is suitable for pollinator planting*.

July 2023

Wisconsin Native Tree Guide Waushara County

		wausnara County		
Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
89	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Tianis	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade	Yellow Birch ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
05 4	W-MW	Forest Products, Wildlife Habitat	Open	Butternut ²
95A Southeast	W-MW	Forest Products, Wildlife Habitat	Open	Paper (White) Birch
Glacial Plain	W-MW	Forest Products, Wildlife Habitat	Open	Black Cherry
Ulaciai I lalli	W-MW	Forest Products, Wildlife Habitat	Open, Partial Shade	American Basswood
	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 ³
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian and Upland Wildlife Habitat	Open, Partial Shade	White Spruce
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat,	Open	Hackberry

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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,	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Forest Products, Wetland Wildlife Habitat	Open, Partial Shade	Black Spruce
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
95B	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
Hills	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
11115	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³

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
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	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, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Waushara County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
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 (Dasiphora fruticosa)
E-W	Cover, Height-1'-10', Sand Barrens	Open	False Heather (Hudsonia tomentosa) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
W-MW	Browse, Cover and Fruit, Height-12', Forms Thickets, Grasslands	Open	Smooth Sumac (Rhus glabra) ^P

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WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Winnebago County

Major Land Resource Area WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	E-SP	Wildlife Habitat,	Open	Eastern Redcedar
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat	Open	Black Walnut
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
95B	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Southeast	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Glacial Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Black Maple
	W-MW	Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat	Open, Partial Shade	Northern White Cedar
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Forest Products, Riparian Wildlife Habitat	Open	Red Maple
	MW-SP	Riparian and Upland Wildlife Habitat	Partial Shade, Shade	American Beech
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	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, Wetland Wildlife Habitat	Open	Tamarack

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Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species
Class	Uses	Exposure	Recommended
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P

Drainage Class: E=Excessive W=Well MW=Moderately Well SP=Somewhat Poorly P=Poorly VP=Very Poorly ^P Shrub that is suitable for pollinator planting. July 2023

Drainage	Uses	Exposure	Species	
Class			Recommended	
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P	
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P	
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P	
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)	
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P	
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P	
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)	

Wisconsin Native Shrub Guide Winnebago County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Fruit and Cover, Attracts Butterflies, Height-3', Oak Openings	Open	Western Snowberry (Symphoricarpos occidentalis) ^P
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P

WISCONSIN FORESTRY TECHNICAL NOTE 1 APPENDIX A Wisconsin Native Tree Guide Wood County

N7 · 7 · 1		wood County		
Major Land Resource Area & DNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open, Partial Shade	Balsam Fir
	W-MW	Forest Products, Riparian and Upland Wildlife Habitat,	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) 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 ²
0.05	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	American Basswood
90B	W-MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Bitternut Hickory
Forest Transition	W-MW	Forest Products, Upland Wildlife Habitat	Partial Shade, Shade	Rock Elm ³ ₂
Transition	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Upland Wildlife Habitat, Riparian Wildlife Habitat	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 ³
	MW-SP	Riparian Wildlife Habitat,	Partial Shade, Shade	Hackberry
	MW-SP	Riparian Wildlife Habitat	Open	Eastern Cottonwood
	MW-P	Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	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

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Major Land Resource Area (MLRA) WDNR Ecological Landscape	Drainage Class	Uses	Exposure	Species Recommended
	E-W	Forest Products, Upland Wildlife Habitat,	Open	Jack Pine
	E-W	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Bur Oak
	W	Forest Products, Upland Wildlife Habitat	Open	Bigtooth Aspen
	W	Upland Wildlife Habitat,	Open, Partial Shade	Shagbark Hickory
	W	Forest Products, Upland Wildlife Habitat,	Partial Shade, Shade	Sugar Maple ¹
	W-MW	Forest Products, Upland Wildlife Habitat	Open	Red Pine
	W-MW	Forest Products, Upland Wildlife Habitat,	Open	Quaking Aspen
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	Northern Red Oak
	W-MW	Forest Products, Upland Wildlife Habitat,	Open, Partial Shade	White Oak
	W-MW	Forest Products, Wildlife Habitat,	Open, Partial Shade	Balsam Fir
89	W-MW	Forest Products, Upland Wildlife Habitat	Open	Black Cherry
Central Sand	W-MW	Forest Products, Upland Wildlife Habitat	Open	Paper (White) Birch
Plains	W-MW	Forest Products, Upland Wildlife Habitat	Open	Butternut ²
	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 ³
	W-MW	Forest Products, Upland Wildlife Habitat	Shade, Partial Shade	Eastern Hemlock
	W-SP	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Eastern White Pine
	MW	Forest Products, Upland Wildlife Habitat	Open, Partial Shade	Slippery (Red) Elm ³
	MW-SP	Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat	Open, Partial Shade	American Elm ³
	MW-SP	Riparian Wildlife Habitat,	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,	Open, Partial Shade	Northern White Cedar
	SP-P	Forest Products, Riparian Wildlife Habitat	Open, Partial Shade	Swamp White Oak
	SP-P	Riparian Wildlife Habitat	Open	Silver Maple
	SP-P	Riparian Wildlife Habitat,	Open	River Birch
	P-VP	Forest Products, Wetland Wildlife Habitat	Open	Tamarack
	P-VP	Riparian Wildlife Habitat	Open	Black Willow

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

¹Sugar Maple seedlings may slow the growth of Yellow Birch seedlings. Rather than evenly disperse seedlings of sugar maple and yellow birch, clump them in separate areas throughout the planting area.

²Butternut is susceptible to butternut canker disease which eventually kills the tree. Limit butternut to 10% or less of trees/acre to be planted.

Wisconsin Native Shrub Guide

Statewide

Drainage	Statewide		Species	
Class	Uses	Exposure	Recommended	
E-W	Cover and Fruit, Height5', Forms Mats	Open-Partial Shade	Bearberry (Arctostaphylos uva-ursi)	
E-W	Browse and Cover, Height-4', Forests	Open	N. Bush Honeysuckle (Diervilla lonicera) ^P	
E-W	Browse and Fruit, Height-20', Forests	Open	Choke Cherry (Prunus virginiana) ^P	
E-W	Browse, Fruit and Flowers, Height-30', Forms Thickets, Oak Savanna	Open	Staghorn Sumac (Rhus typhina) ^P	
E-W	Browse and Cover, Height-5', Forms Thickets, Forests	Open-Partial Shade	Carolina (Pasture) Rose (Rosa carolina) ^P	
E-W	Browse and Fruit, Height-1', Open Forests, Barrens	Open	Blueberry (Vaccinium sp.) ^P	
E-W	Browse and Fruit, Height-6', Forests	Partial Shade-Shade	Mapleleaf Viburnum (Viburnum acerifolium) ^P	
E-MW	Browse, Fruit and Cover, Height-6', Forms Thickets, Forests	Open	Common Blackberry (Rubus allegheniensis) ^P	
W	Cover, Height-10', Grasslands	Open	Common Ninebark (Physocarpus opulifollius) ^P	
W	Fruit and Cover, Height-2', Forests	Open	Snowberry (Symphoricarpos albus) ^P	
W-MW	Browse and Fruit, Height-25', Fall Foliage, Forests	Partial Shade-Shade	Alternateleaf (Pagoda) Dogwood (Cornus alternifolia) ^P	
W-MW	Browse and Fruit, Height-6', Forms Thickets, Forests	Open-Partial Shade	Gray Dogwood (Cornus racemosa) ^P	
W-MW	Browse and Seeds, Height-15', Late Fall Flower, Forests	Open-Partial Shade	Witch-Hazel (Hamamelis virginiana) ^P	
W-MW	Browse and Fruit, Height-25', Forests	Open	Pin Cherry (Prunus pensylvanica) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Partial Shade	Prickly Gooseberry (Ribes cynosbati) ^P	
W-MW	Browse, Fruit and Cover, Height-5', Forests	Open	Black Raspberry (Rubus occidentalis) ^P	
W-MW	Fruit and Cover, Height-20', Grasslands	Open	Hawthorns (Crataegus sp.) ^P	
W-MW	Cover and Fruit, Height-6', Forms thickets, Grasslands-Riparian-Woodland Border	Partial Shade-Shade	Sand Cherry (Prunus pumila) ^P	
W-MW	Cover and Browse, Height-10', Forms Thickets, Prairie-Sand Barrens-Savanna	Open-Partial Shade	Prairie Willow (Salix humilis Marshall) ^P	
W-MW	Browse and Cover, Height-5', Forests	Partial Shade-Shade	American Yew (Taxus canadensis)	
MW	Browse and Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	American Hazelnut (Corylus americana)	
MW	Fruit and Cover, Height-7', Forms Thickets, Forests	Open	Elderberry (Sambucus canadensis) ^P	
MW-SP	Browse and Fruit, Height-25', Attractive Spring Blossom, Forests	Partial Shade-Shade	Juneberry, aka Serviceberry (Amelanchier sp.) ^P	
MW-SP	Browse and Fruit, Height-9', Forests	Open-Partial Shade	Roundleaf Dogwood (Cornus rugosa) ^P	
MW-SP	Browse and Fruit, Height-2', Forests	Open-Partial Shade	Black Huckleberry (Gaylussacia baccata) ^P	
MW-SP	Cover and Fruit, Height-24', Forms Thickets, Grasslands	Open	Wild Plum (Prunus americana) ^P	
MW-SP	Fruit, Height-15', Forms Thickets, Forests	Open-Partial Shade	Canada Plum (Prunus nigra) ^P	
MW-SP	Browse and Fruit, Height-28', Forests	Partial Shade-Shade	Nannyberry (Viburnum lentago) ^P	
MW-SP	Cover and Fruit, Height-12', Forests-Riparian Forest	Open-Partial Shade	American Highbush Cranberry (Viburnum trilobum, aka Viburnum opulus var. americanum) ^{4,P}	
MW-SP	Cover and Fruit, Height-6', Forests	Open-Partial Shade	Downy Arrowwood (Viburnum rafinesquianum) ^P	
SP-P	Browse and Fruit, Height-4 to 8', Wetlands	Open-Partial Shade	Black Chokeberry (Aronia melanocarpa) ^P	
SP-P	Browse and Cover, Height-15', Riparian Forests	Open-Partial Shade	Silky Dogwood, aka Pale Dogwood (Cornus amomum, aka Cornus amomum subsp. obliqua) ^P	
SP-P	Browse and Fruit, Height-6', Forests	Open-Partial Shade	Winterberry (Ilex verticillata) ^P	
SP-P	Browse, Fruit and Cover, Height-3', Forests	Open	Gooseberry (Ribes hirtellum) ^P	
SP-P	Height – 6 to 20', Riparian and Wetlands	Open	Pussy Willow (Salix discolor) ^P	

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Drainage Class	Uses	Exposure	Species Recommended
SP-P	Browse and Cover, Height-10', Forms Thickets, Lake Dunes and Sand Bars	Open	Sandbar Willow (Salix interior) ^P
SP-VP	Cover, Butterfly Nectar, Height-5', Grasslands	Open	Hard-hack (Steeplebush) (Spiraea tomentosa) ^P
SP-VP	Cover, Browse, Buds, Height-4', Damp Meadows	Open	White Meadowsweet (Spiraea alba) ^P
P-VP	Browse, Height-20', Wetlands	Open	Bog (Dwarf) Birch (Betula pumila)
P-VP	Cover, Riparian Forests, Height-20', Forms Thickets, Butterflies	Partial Shade-Shade	Buttonbush (Cephalanthus occidentalis) ^P
P-VP	Browse and Cover, Height-5', Forms Thickets, Wetlands-Riparian	Open-Partial Shade	Red-Osier Dogwood (Cornus sericea, aka Cornus stolonifera) ^P
VP	Browse, Cover and Seeds, Height-16', Riparian and Wetlands	Open-Partial Shade	Speckled Alder (Alnus incana)

Additional Shrubs Appropriate for Planting in Wood County

Drainage Class	Uses	Exposure	Species Recommended
E-W	Browse and Fruit, Height-3', Grasslands	Open-Partial Shade	New Jersey Tea (Ceanothus americanus) ^P
E-W	Browse and Cover, Height-2', Grasslands	Open	Sweetfern (Comptonia peregrina)
E-W	Cover and Fruit, Height-20, Grassland-Woodland Edge	Open-Partial Shade	Iowa (Prairie) Crab (Malus ioensis) ^P
E-W	Browse, Cover and Fruit, Height-1'-6', Forms Thickets, Lake Dunes-Sandy Soils	Open	Common Juniper (Juniperus communis)
E-W	Cover. Height 10-20'. Forests and Edges.	Partial Shade	Wafer-ash, aka Common Hop-Tree (Ptelea trifoliata)
E-W	Browse, Wildlife Fruit, Flowers, Height 10-20'	Open to Shade	American Mountain-ash (Sorbus americana) ^P
E-MW	Browse and Cover, Height-3', Grasslands, Sedge Meadows	Open	Kalm's St. Johnswort (Hypericum kalmianum)
W	Nuts, Height-10', Forms Thickets, Forests	Open-Partial Shade	Beaked Hazelnut (Corylus cornuta)
W-MW	Cover, Height-6', Attracts Hummingbirds, Forests	Open-Partial Shade	Am. Fly Honeysuckle (Lonicera canadensis) ^P
W-MW	Browse and Fruit, Height-8', Forms Thickets, Savanna	Open	Flameleaf Sumac (Rhus copallinum) ^P
MW-SP	Browse and Cover, Height-6', Savanna-Riparian	Open	Indigo Bush (Amorpha fruticosa) ^P

Drainage Class: *E*=*Excessive W*=*Well MW*=*Moderately Well SP*=*Somewhat Poorly P*=*Poorly VP*=*Very Poorly P Shrub that is suitable for pollinator planting*.

July 2023