

**WISCONSIN FORESTRY TECHNICAL NOTE 1  
APPENDIX A**

**Wisconsin Native Tree Guide**

| Major Land Resource Area (MLRA)<br>WDNR Ecological Landscape | Drainage Class                             | Uses   | Exposure               | Species Recommended       |
|--|--|--|------------------------|---------------------------|
| 90A<br>North Central Forest                                  | E-W  | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open                   | Jack Pine                 |
|  | W  | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Partial Shade, Shade   | Sugar Maple <sup>1</sup>  |
|  | W  | Forest Products, Upland Wildlife Habitat   | Open                   | Bigtooth Aspen            |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees               | Open                   | Red Pine                  |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open                   | Quaking Aspen             |
|  | W-MW                                       | Forest Products, Wildlife Habitat, Christmas Trees   | Open, Partial Shade    | Northern Red Oak          |
|  | W-MW                                       | Forest Products, Wildlife Habitat, Christmas Trees   | Open, Partial Shade    | Balsam Fir                |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Open                   | Black Cherry              |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Open                   | Paper Birch               |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Open, Partial Shade    | American Basswood         |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Partial Shade          | Yellow Birch <sup>1</sup> |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Partial Shade, Shade   | Eastern Hemlock           |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat   | Partial Shade, Shade   | Rock Elm                  |
|  | W-SP                                       | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees               | Open, Partial Shade    | Eastern White Pine        |
|  | MW-SP                                      | Forest Products, Riparian and Upland Wildlife Habitat, Wind Breaks/Shelterbelts, Christmas Trees | Open, Partial Shade    | White Spruce              |
|  | MW-SP                                      | Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat                              | Open, Partial Shade    | American Elm              |
|  | MW-SP                                      | Forest Products, Riparian Wildlife Habitat   | Open                   | Red Maple                 |
|  | MW-SP                                      | Forest Products, Riparian Wildlife Habitat   | Open                   | Balsam Poplar             |
|  | MW-P                                       | Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat, Windbreaks/Shelterbelts    | Open, Partial Shade    | Northern White Cedar      |
|  | SP-P                                       | Forest Products, Riparian Wildlife Habitat, Windbreaks/Shelterbelts                              | Open                   | Green Ash <sup>2</sup>    |
| SP-P   | Riparian/Flood Plain Wildlife Habitat      | Open   | Silver Maple           |                           |
| SP-P   | Riparian/Flood Plain Wildlife Habitat      | Open   | Black Ash <sup>2</sup> |                           |
| P-VP   | Forest Products, Riparian Wildlife Habitat | Open   | Tamarack               |                           |
| P-VP   | Forest Products, Wetland Wildlife Habitat  | Open, Partial Shade  | Black Spruce           |                           |
| 94B<br>Northeast Sands                                       | E-W  | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open                   | Jack Pine                 |
|  | E-W  | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open, Partial Shade    | Bur Oak                   |
|  | W  | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Partial Shade, Shade   | Sugar Maple <sup>1</sup>  |
|  | W  | Forest Products, Upland Wildlife Habitat   | Open                   | Bigtooth Aspen            |
|  | W-MW                                       | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees               | Open                   | Red Pine                  |

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

<sup>1</sup>Sugar Maple exhibits allelopathic properties against Yellow Birch.

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

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| <b>Major Land Resource Area (MLRA)<br/>WDNR Ecological Landscape</b> | <b>Drainage Class</b>     | <b>Uses</b>  | <b>Exposure</b>      | <b>Species Recommended</b> |
|--|---------------------------|--|----------------------|----------------------------|
|  | W-MW                      | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open                 | Quaking Aspen              |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts                                | Open, Partial Shade  | Northern Red Oak           |
|  | W-MW                      | Forest Products, Wildlife Habitat, Christmas Trees   | Open, Partial Shade  | Balsam Fir                 |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Open                 | Black Cherry               |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Open                 | Paper Birch                |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Open, Partial Shade  | American Basswood          |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Open, Partial Shade  | Yellow Birch <sup>1</sup>  |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Partial Shade, Shade | Eastern Hemlock            |
|  | W-MW                      | Forest Products, Upland Wildlife Habitat   | Partial Shade        | Rock Elm                   |
|  | W-SP                      | Forest Products, Upland Wildlife Habitat, Windbreaks/Shelterbelts, Christmas Trees               | Open, Partial Shade  | Eastern White Pine         |
|  | MW-SP                     | Forest Products, Riparian and Upland Wildlife Habitat, Wind Breaks/Shelterbelts, Christmas Trees | Open, Partial Shade  | White Spruce               |
|  | MW-SP                     | Forest Products, Riparian Wildlife Habitat, Upland Wildlife Habitat                              | Open, Partial Shade  | American Elm               |
|  | MW-SP                     | Forest Products, Riparian Wildlife Habitat   | Open                 | Balsam Poplar              |
|  | MW-SP                     | Forest Products, Riparian Wildlife Habitat   | Open                 | Red Maple                  |
|  | MW-SP                     | Forest Products, Riparian Wildlife Habitat, Wetland Wildlife Habitat, Windbreaks/Shelterbelts    | Open, Partial Shade  | Northern White Cedar       |
|  | SP-P                      | Forest Products, Riparian Wildlife Habitat, Wind Breaks/Shelterbelts                             | Open                 | Green Ash <sup>2</sup>     |
|  | SP-P                      | Riparian/Flood Plain Wildlife Habitat  | Open                 | Silver Maple               |
|  | P-VP                      | Forest Products, Riparian Wildlife Habitat   | Open                 | Black Ash <sup>2</sup>     |
|  | 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*

<sup>1</sup>Sugar Maple exhibits allelopathic properties against Yellow Birch.

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

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**Wisconsin Native Shrub Guide  
Statewide**

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

**WISCONSIN FORESTRY TECHNICAL NOTE 1  
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**Wisconsin Native Shrub Guide  
Florence County**

| Drainage Class | Uses  | Exposure            | Species Recommended                                |
|----------------|---|---------------------|--|
| E-W            | Cover and Fruit, Height-.5', Forms Mats, Grasslands     | Open-Partial Shade  | Bearberry ( <i>Arctostaphylos uva-ursi</i> )       |
| E-W            | Browse and Cover, Height-2', Grasslands                 | Open                | Sweetfern ( <i>Comptonia peregrina</i> )           |
| W              | Nuts, Height-10', Forms Thickets, Woodlands             | Open-Partial Shade  | Beaked Hazelnut ( <i>Corylus cornuta</i> )         |
| W              | Fruit and Cover, Height-2', Woodlands                   | Open                | Snowberry ( <i>Symphoricarpos albus</i> )          |
| W-MW           | Browse and Cover, Height-10', Forms Thickets, Woodlands | Open-Partial Shade  | Mountain Alder ( <i>Alnus crispa</i> )             |
| W-MW           | Cover, Height-6', Attracts Hummingbirds, Woodlands      | Open-Partial Shade  | Am. Fly Honeysuckle ( <i>Lonicera canadensis</i> ) |
| W-MW           | Browse and Cover, Height-5', Woodlands                  | Partial Shade-Shade | American Yew ( <i>Taxus canadensis</i> )           |