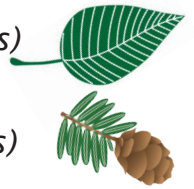
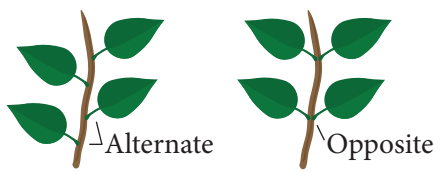


WISCONSIN URBAN TREE KEY

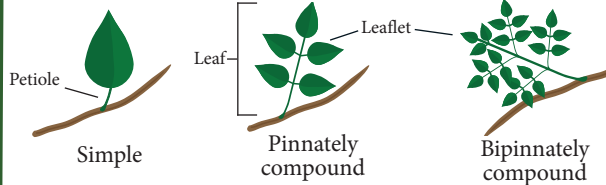
Broadleaf (flat leaves) & Conifers (needles/scales)



BROADLEAF TREES - IDENTIFICATION METHODS



Leaf arrangement



Leaf type

SAMPLE

Species name

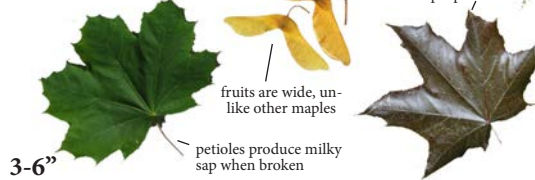


Leaf length

Orange = NR40 regulated invasive tree in Wisconsin

OPPOSITE LEAVES

Norway Maple



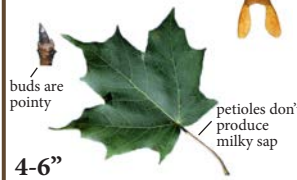
3-6"

Silver Maple



4-6"

Sugar Maple



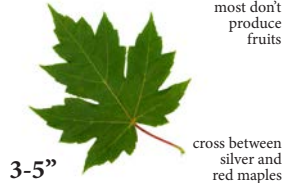
4-6"

Amur Maple



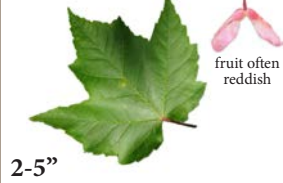
2-2.5"

Freeman Maple



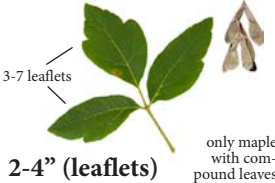
3-5"

Red Maple



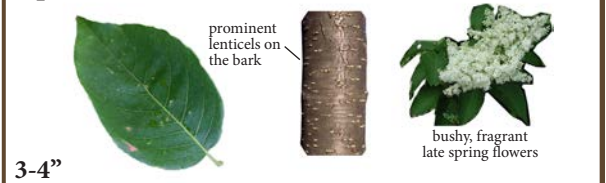
2-5"

Boxelder



2-4" (leaflets)

Japanese Tree Lilac



3-4"

Buckeye/Horsechestnut



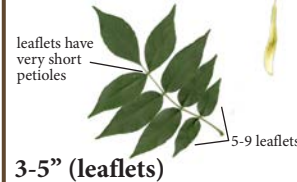
3-6" (leaflets)

Northern Catalpa



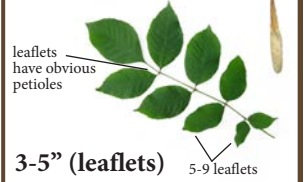
7-12"

Green Ash



3-5" (leaflets)

White Ash

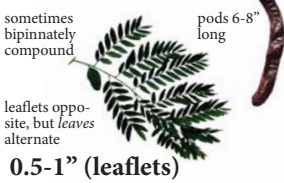


3-5" (leaflets)

ALTERNATE LEAVES

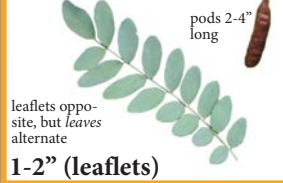
(CONTINUED ON BACK)

Honeylocust



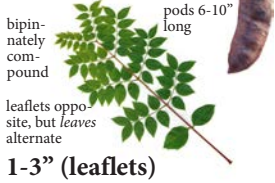
0.5-1" (leaflets)

Black Locust



1-2" (leaflets)

Kentucky Coffeetree



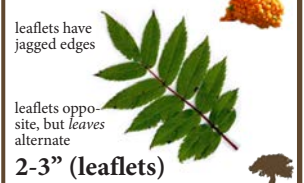
1-3" (leaflets)

Black Walnut



2-4" (leaflets)

Mountain-Ash



2-3" (leaflets)

Shagbark Hickory



3-7" (leaflets)

Basswood/Am. Linden



4-6"

Littleleaf Linden



1-3"

Hackberry



2-5"

Sumac



2-4" (leaflets)

Ironwood/Hophornbeam



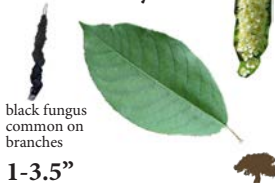
2-5"

Black Cherry



2-5"

Chokecherry



1-3.5"

Witchhazel



2.5-6"

Callery Pear


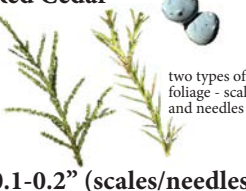

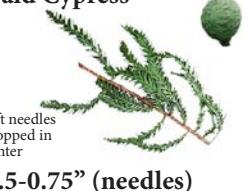

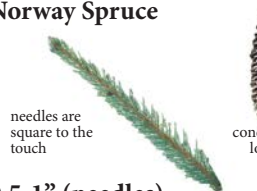


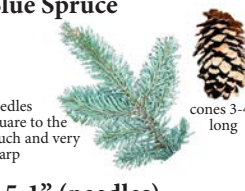
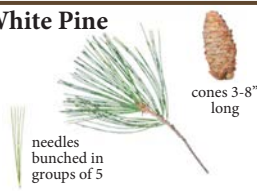






1.5-3"

ALTERNATE LEAVES

| | | | | |
|--|--|--|---|--|
| Quaking Aspen  1-3" flat petiole flower | Cottonwood  3-5" flat petiole flower | European Alder  2-4" flowers remain in winter | Elm  3-8" uneven leaf base fruits have flat, papery wings many varieties of urban elm | Siberian Elm  1-2.5" uneven leaf base fruits have flat, papery wings |
| Crabapple/Apple  1-4" spring flowers fruit varying size | Willow  2-6" buds remain close to twig | Serviceberry  2-4" usually multi-stemmed trunk showy spring flowers | Hawthorn  2-3" showy spring flowers not all trees have thorns, but many do leaf shape varies and leaves are often glossy | |
| Beech  2.25-4.75" long, copper buds leaves thin like paper distinctive smooth bark | Sycamore / Plane tree  4-9" distinctive scaly bark | Ginkgo  2-4" twigs have many spurs where leaves grow stinky fruit | Redbud  3-4.5" showy spring flowers pods 2-3" long | Musclewood  1-5" smooth, groovy bark |
| Paper Birch  2-4" bark peely with black lines (lenticels) | River Birch  1.5-3.25" reddish bark that peels in plates | Buckthorn  1-3.5" leaves often glossy and remain green into fall | Mulberry  2-5" leaf shape varies and leaves are often glossy two types of mulberry - only white mulberry invasive, but more common | |
| White Oak  5-9" | Swamp White Oak  2.75-6" leaf underside very light colored acorns on longer stalks (0.5-4") than white oak | Bur Oak  4.75-7" end 1/3 of leaf often widest part acorns very hairy | Red Oak  5-10" | Pin Oak  2-6" |

CONIFERS

| | | | | |
|---|---|--|---|---|
| Arborvitae/White Cedar  0.5-1" (scales) often a small tree | Red Cedar  0.1-0.2" (scales/needles) two types of foliage - scales and needles | Larch/Tamarack  0.75"-1.25" (needles) soft needles dropped in winter | Bald Cypress  0.5-0.75" (needles) soft needles dropped in winter | Balsam Fir  0.5-1" (needles) needles flat to the touch cones 2-4" long and grow upright on upper branches |
| Norway Spruce  0.5-1" (needles) needles are square to the touch cones 4-7" long! | White Spruce  1-3" needles square to the touch cones 1.5-2.5" long | Blue Spruce  0.5-1" (needles) needles square to the touch and very sharp cones 3-4" long | White Fir  1-2.5" (needles) needles flat to the touch cones 3-6" long and grow upright on upper branches | |
| White Pine  2-5" (needles) needles bunched in groups of 5 cones 3-8" long | Jack Pine  0.75-1.5" (needles) needles bunched in groups of 2 cones 1-1.5" long | Scots Pine  1-2" (needles) needles bunched in groups of 2 which twist together cones 1-3" long | Austrian Pine  3-7" (needles) needles bunched in groups of 2 cones 2-4" long | Red Pine  4.5-7" (needles) needles bunched in groups of 2 and break when bent cones 2-2.5" long |