### Minnesota Tree Identification

**MN State Surveyors Convention February 8, 2013** 

#### **Minnesota Forest Regions**

\*Know which trees grow naturally in the different regions of MN\*

Hardwood Region red oak white oak bur oak basswood red maple

#### Prairie Region cottonwood eastern red cedar bur oak



Northern Boreal Forest Northern Boreal For black spruce white spruce balsam fir white pine jack pine tamarack northern white cedar aspen birch black ash red maple

?? - Can find anything!
Non-native, trees out of their natural range, cultivars

#### **Coniferous vs Deciduous**

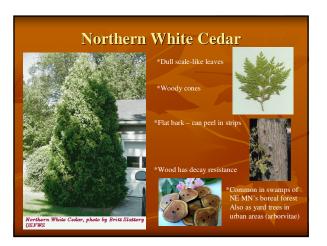
- Coniferous trees bear their seeds in cones and have very narrow needlelike leaves. They are evergreen, meaning they maintain their leaves throughout the year (except for
- <u>Deciduous</u> trees do not bear their seeds in cones. They have broad leaves that drop in autumn.











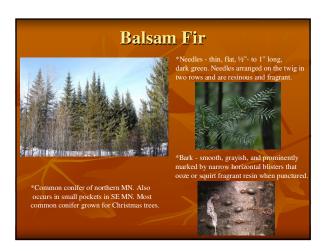


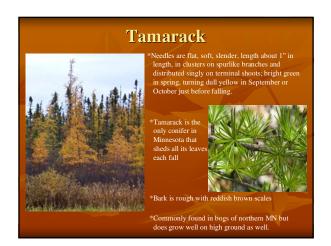










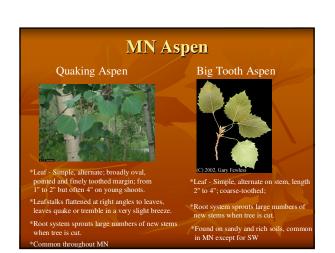












## **Other Alternate Leafed Trees** Cottonwood Balsam Poplar \*Leaf - simple, alternate, 3" to 5" long and nearly as wide; broadly triangular, pointed, \*Leaf - simple, alternate on stem, 3" to 6" long: ovate, long-pointed, edges finely toothed, dark green and shiny above square at base, finely toothed or wavy \*Found throughout MN but commonly seen growing in western MN as it grows well under dry conditions

\*Grows fast and large

\*Buds very sticky and with strong pungent aron

\*Fast growing tree found on cool moist soils primarily in northern MN



**Other Alternate Leafed Trees** Hackberry \*Leaf - simple, alternate, length 2" to 4"; h long narrow, tapering points and sharply Leaf - simple, alternate on stem, length 3" to 6", heart-shaped, saw-toothed, sharp-pointed at tip; toothed margins; uneven at base \*Bark - grayish-brown with prominent, short, corky ridges.
\*Found sparingly in the Southern and western part of MN. Tolerates a wide range of growin conditions, including urban stresses. Common throughout MN except in the extreme north-eastern part; grows chiefly on rich soil





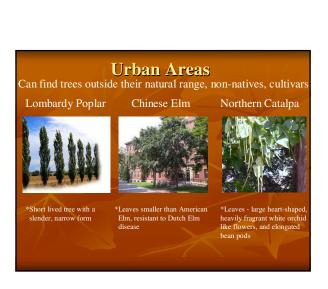














# **Minnesota Tree Identification On-line Resources**

- University of Minnesota Extension Web site
  - \*Online tree identification key\*
- http://www.extension.umn.edu/distrib ution/naturalresources/DD6593.html
- Publication A Beginners Guide to Minnesota Trees Producer/Author: Rathke, D.
- Minnesota Department of Natural Resources Web site - Minnesota native trees & shrubs
- http://www.dnr.state.mn.us/trees\_ shrubs/index.html

