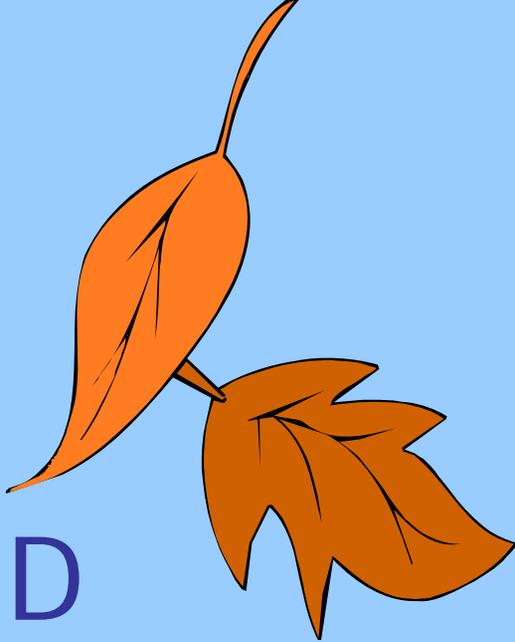


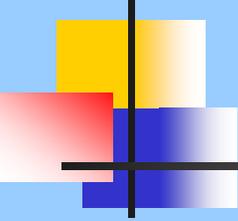
The Secrets of Tree ID



Dave Apsley
Craig Everett
Kathy Smith

Ohio State University Extension





Where to start?

- Identification is a process of elimination
- Ask some key questions to help narrow the field – Pay Attention To Detail
- First question:
 - Broadleaf or Conifer?



What Kind Of Tree Is This?

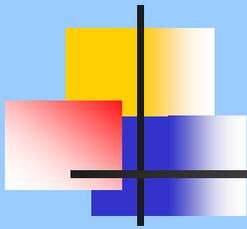


Broadleaf

- Usually deciduous
- Slang = hardwoods
- Angiosperms (ovary wall)
- Examples: elm, ash, maple, oak, hickory

Conifers

- Needles, Scales, awls
- Slang = softwoods
- Gymnosperms (naked seed)
- Examples: pine, spruce, fir, juniper, arborvitae



Broadleaf

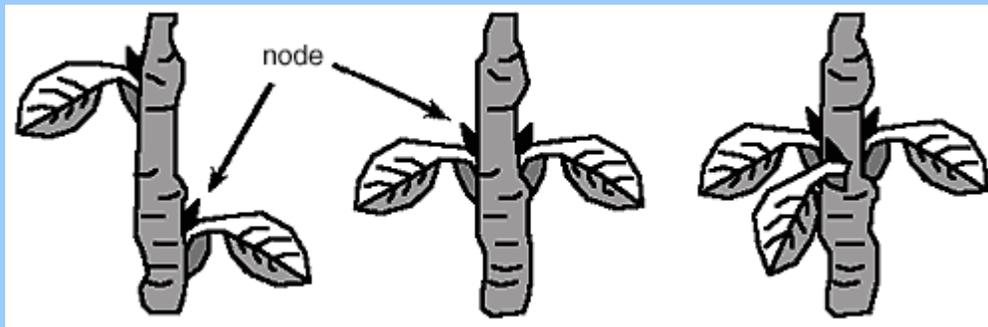


Look at the branching pattern

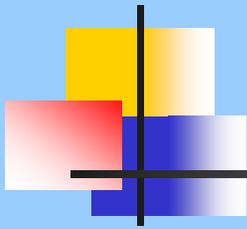
Alternate

Opposite

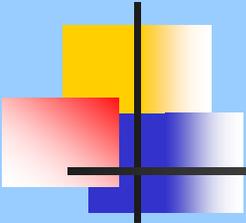
Whorled



Branches Opposite - M A D Buck

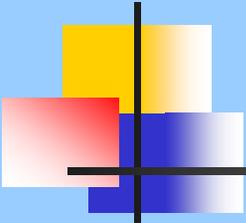


DGA008305



Silver Maple





Red Maple

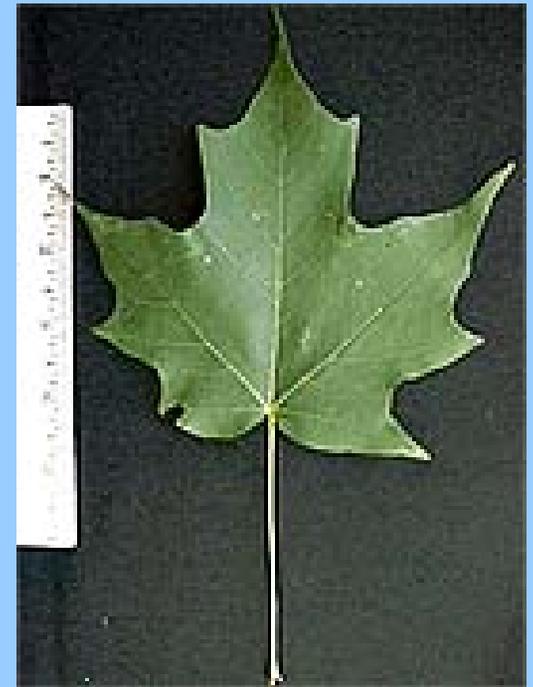


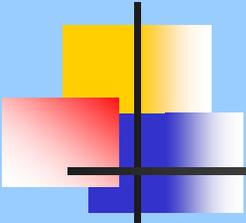
Norway Maple



219018

Sugar Maple





Boxelder



Green Ash



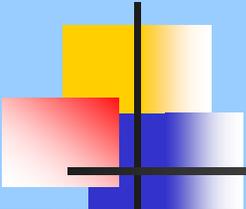
UGA0008168



UGA0008289

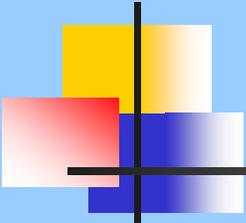
White Ash





Black Ash





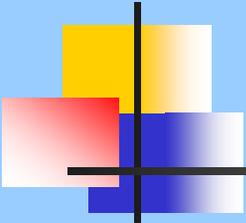
Dogwood's

- Flowering



Blue Ash

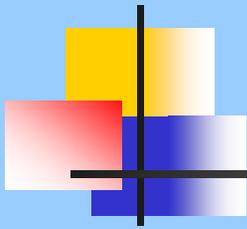




Dogwood's

- Shrubby – silky, red osier, gray twig

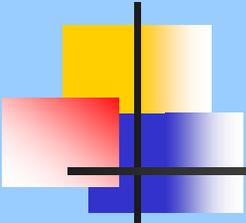




Buckeye

- Ohio and Yellow

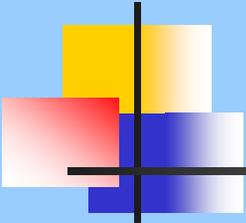




Buckeye's

- Horse chestnut

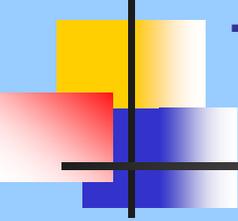




Alternate Branching

- All other species excluding Northern Catalpa which has a whorled branching pattern

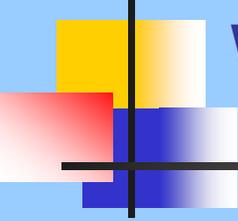




Terminal buds clustered?

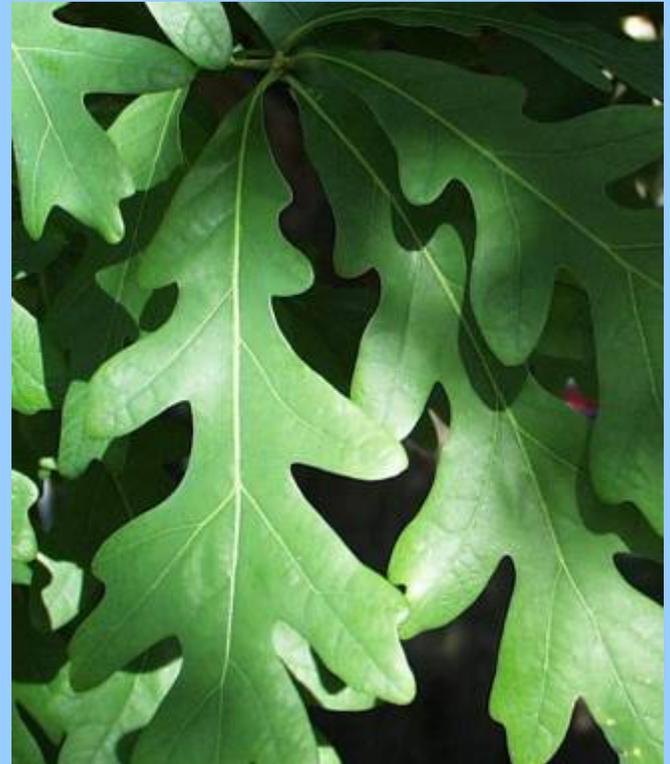
- Oaks make up a huge component of the broadleaf forests
- Two categories
- White Oaks and Red oaks





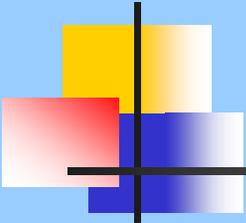
White Oaks

- Leaves have rounded lobes
- Species in this group include
 - White oak
 - Swamp white oak
 - Bur oak
 - Chinkapin oak
 - Post oak



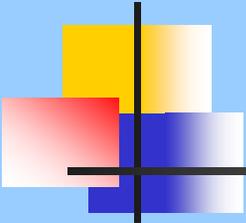
White oak





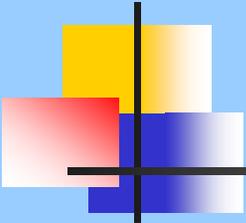
Swamp White Oak





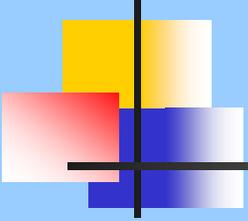
Bur Oak





Chinkapin Oak





Red Oaks

- Leaves have pointed lobes with a bristle tip
- Northern Red Oak
- Black oak
- Pin oak
- Shingle oak

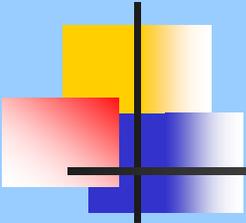


Northern Red Oak



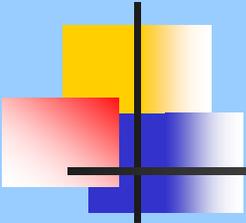
Black Oak





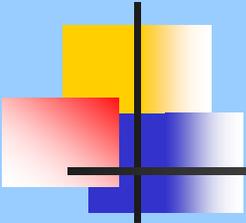
Pin Oak





Shingle Oak

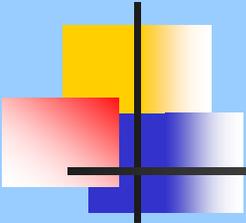




Other Characteristics

- Thorns





Other characteristics cont'd

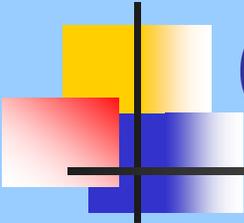
- Fruit and flowers



Other characteristics cont'd

- Bark





Other characteristics cont'd

- Location



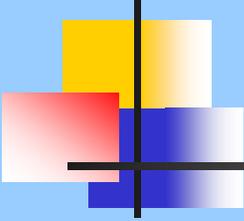
**MANUAL
OF
WOODY LANDSCAPE PLANTS**

**Their Identification
Ornamental Characteristics,
Culture,
Propagation and Uses**



**By
Michael A. Dirr**

<http://www.cnr.vt.edu/dendro/dendrology/main.htm>



Dendrology at Virginia Tech

- * Landowner Fact Sheets
- * Urban Tree Selector
- * ID Keys