

## Environmental Concerns

- Ash decline:
  - ✓ is a current disease killing the ash population.
- Ash decline usually includes:
  - ✓ branch tip death
  - ✓ defoliation of leaves
  - ✓ slow decline of the tree over the years
- Air pollution:
  - ✓ very sensitive to ozone

## Question Stumper

What family does the White Ash tree belong to?

- (A) Olive Family
- (B) Oak Family
- (C) Aster Family
- (D) Beech Family

## Tree Jokes

(taken from [www.ducksters.com](http://www.ducksters.com))

- Q: Why did the leaf go to the doctor?  
A: It was feeling green!
- Q: What is a tree's least favorite month?  
A: Sep-timber!
- Q: How do trees get on the internet?  
A: They log in.

## References

1. **Discover Life**  
[\(9/9/2011\)](http://www.discoverlife.org/mp/2oq?search=Fraxi+americana)
2. **US Dept. of Agriculture**  
[\(9/9/2011\)](http://plants.usda.gov/plantguide/pdf/cs_fram2.pdf)
3. **Ohio Department of Natural Resources**  
[\(9/9/2011\)](http://www.dnr.state.oh.us/trees/ash_wh/tabid/5331/Default.aspx)
4. **All pictures taken from Google images.**

Answer: (A) Olive Family

## White Ash Tree

## *Fraxinus Americana*



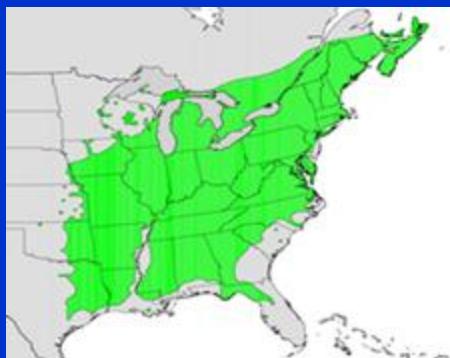
*By: Noleena Booker  
BOT 155 Field Botany  
MW 9:05AM-11:55AM*

## Life History

- White ash grows best in moist, wet soils with other hardwoods. Also requires lots of sun.
- They flower in April –May (male first, then female) and disperse seeds in September thru November.
- White ash tree produce seeds at age 20 and can reach up to 200 years old.

## Geographic Range

- Grows in eastern North America starting from edge of Texas to the coast



## Size

- White ash trees grow to be 50-80 feet high and 40-50 feet spread at maturity.

Emerald Ash Borer



## Stem Characteristics



- ✓ Bark is thick and gray with diamond pattern.

## Insects and Pests

- Deer
- Cattle
- Porcupine
- Emerald ash borer
- Fox Squirrel
- Woodpeckers
- Rabbits

## Historical Uses

- Medicinal Purposes:
  - ✓ Laxative
  - ✓ Lice
  - ✓ Snakebites
  - ✓ Mosquito Bites

## Modern Uses

- ✓ Baseball Bats
- ✓ Parks and campuses
- ✓ Furniture
- ✓ Fuel
- ✓ Ornaments
- ✓ Shade

## Leaf Characteristics



- ✓ Opposite branching
- ✓ Pinnately compound
- ✓ 20cm - 38cm long
- ✓ # of leaflets: 5-9

## Flower Characteristics



- ✓ Dioecious
- ✓ Color green/purple
- ✓ Male trees flower annually
- ✓ Female trees flower every 3-5 years

## Fruit Characteristics



- ✓ Fruit name: Samara
- ✓ Narrow wing structure
- ✓ Hang in clusters
- ✓ 2.5cm-5cm long