

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)

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
<http://www.discoverlife.org/mp/20q?search=Fraxi+americana>
(9/9/2011)
2. US Dept. of Agriculture
http://plants.usda.gov/plantguide/pdf/cs_fram2.pdf
(9/9/2011)
3. Ohio Department of Natural Resources
http://www.dnr.state.oh.us/trees/ash_wh/tabid/5331/Default.aspx (9/9/2011)
4. All pictures taken from Google images.

Answer: (A) Olive Family

White Ash Tree

Fraxinus Americana



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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



Insects and Pests

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

Historical Uses

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

Modern Uses

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

Stem Characteristics



- ✓ Bark is thick and gray with diamond pattern.

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