

# Tree Education

Clinton High School Synergy  
Ashes to Ashes Initiative



# Table of Contents

Purpose: Slide 3

Statistics: Slides 4-6

Insurance: Slide 7

Safety: Slide 8

Removing Trees: Slides 9-13

Electric Situations: Slide 14

Dead Trees: Slide 15

Planting Trees: Slides 16-19

Species Variation: Slide 20

Pruning Trees: Slides 21 and 22

Maintenance: Slide 23

# Purpose

Educate on the increasing issue of the Emerald ash borer.

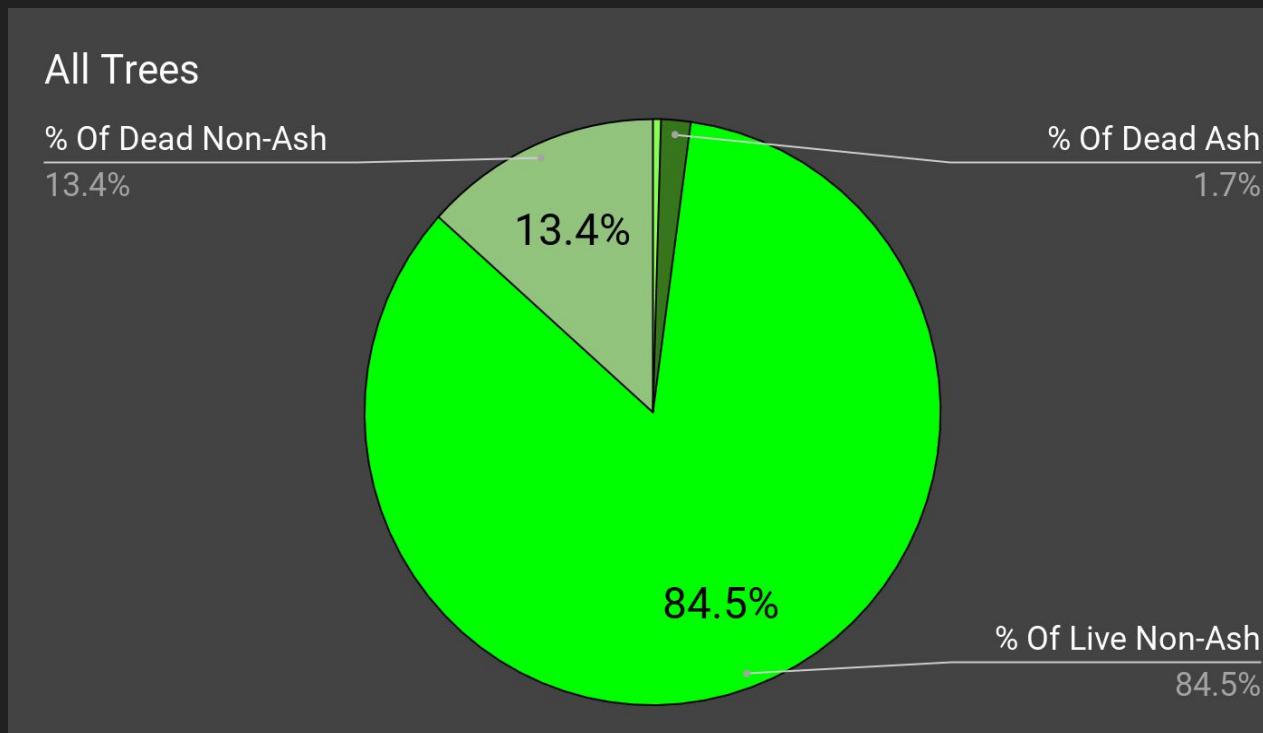
Educate about the process of planting, maintaining, and removal of trees.



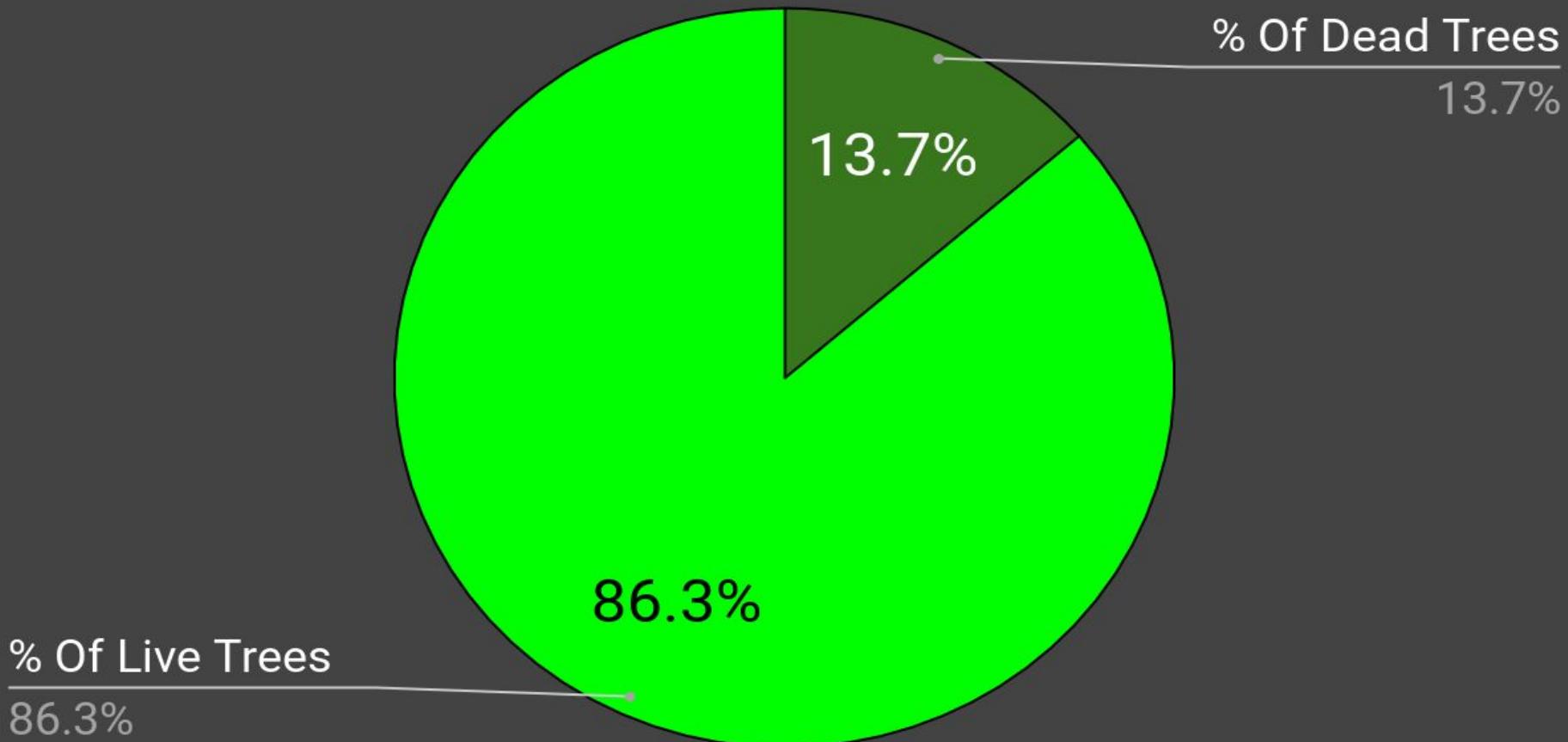
# Statistical Analysis

We have conducted a survey in and around the old Ashford campus.

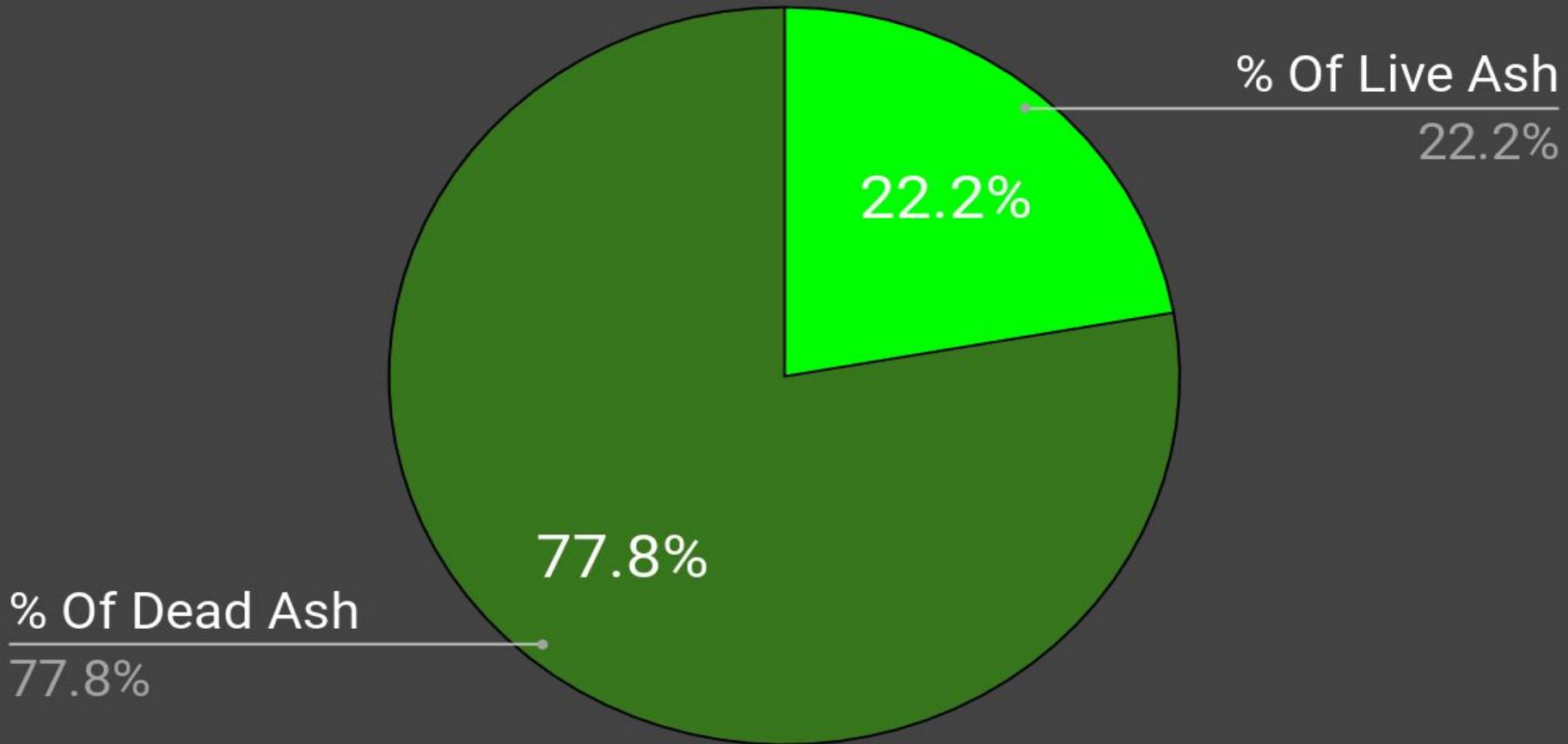
We have created a statistical analysis of all of the trees we have surveyed.



# Non-Ash trees



# Ash Trees



# Insurance

- Live tree falls - Act of God
- Dead tree falls - your fault for not getting it taken care of.
- Most insurance companies cover fallen trees.
- People and Property



# Safety

- Assess safety hazards
- Use the proper equipment
- Determine what direction the tree will fall
- Make sure trees are stable before climbing
- Determine the direction of the pressure
- Never turn your back on a falling tree
- Wear proper PPE

(Contact a professional in most cases)

# How to Properly Remove a Tree



# Step 1

- Check for obstacles
- Natural Lean
- Check for Dead/Damaged Trunk
- Establish escape routes
- Contact Professional/ local electric company
- Research tree's history



# Step 2 Undercut

- V-Shaped notch
- 1/4 of tree diameter
- 90° Notch



## Step 3 Back cut

- 2" higher than the hinge of the undercut
- Never Below the undercut
- Be sure to not cut through the undercut



# Step 4 Limbing

- Remove from the bottom of the tree
- Remove branches on the opposite side of the tree from you
- Cut the trunks



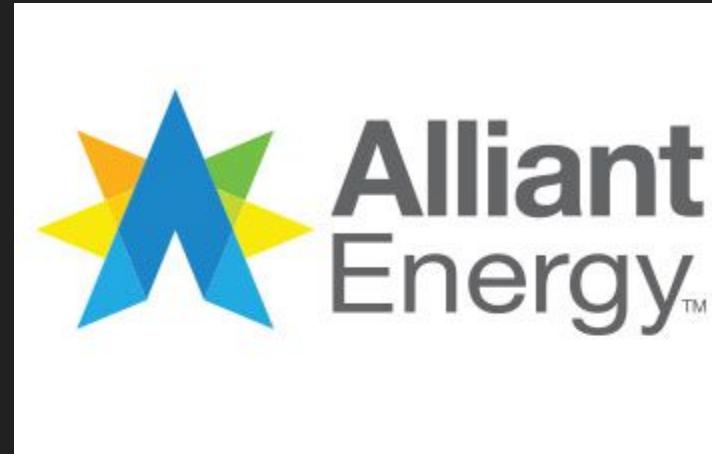
# Getting Rid of Ash Trees

Mulch ash trees so it doesn't spread

CHOP 'EM UP SO THE BUGS DIE

# Electric situations

- Alliant Energy or other energy provider
- Powerline
- Removal situations



# Fallen Dead Tree compared to Standing Dead Tree

- Cheaper to remove standing dead tree
- Fallen Dead Trees create more dangers
- Fallen trees could damage underground pipes

# How To Properly Plant A Tree

# Step 1

- Dig a hole
- Loosen roots within the root ball
- Place root ball in hole



## Step 2

- Compact the dirt
- Circle of mulch 2-3" away from the base
- Prevents rodent damage



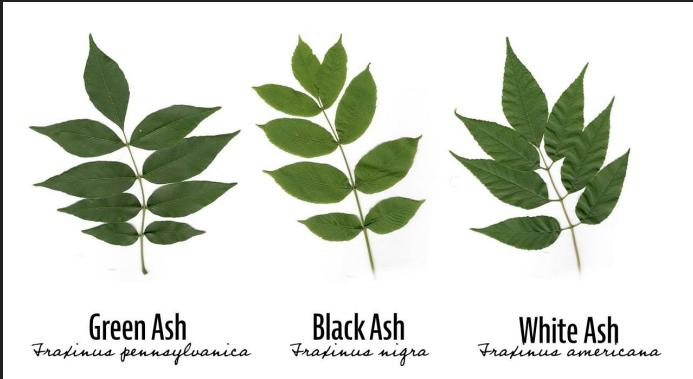
## Step 3

- Water tree every 7 to 10 days
- Ensure soil is moist but not soggy



# Variation between species

- The EAB attacks all Ash trees
- Found in a White Fringe tree in Ohio in 2015 but widespread attack was not discovered



Photos: © 2012 Kely Chayka

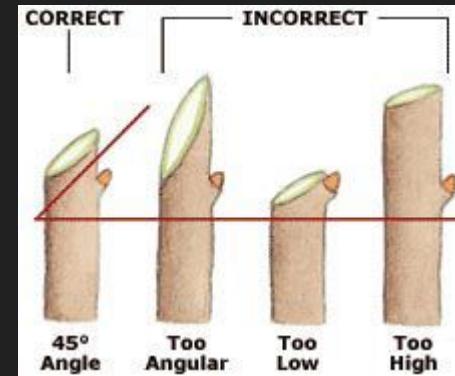


# How to Properly Prune a Tree



# Pruning

- Make a cut on the underside, halfway through
- Make a cut a on the top farther than the first cut
- Remove the branch
- Cut away from the tree at the bark ride at a  $45^{\circ}$  angle



# Maintenance

- Watering (depending on the weather and surrounding environment)
- Mulching (Replace donut)
- Pruning
- Watch for Diseases and Pests



Thank you!  
Questions?

