



# **Antinanco Earth Arts School Impact Report**

Bringing Back the American Chestnut Tree

[www.antinanco.org](http://www.antinanco.org)

2019



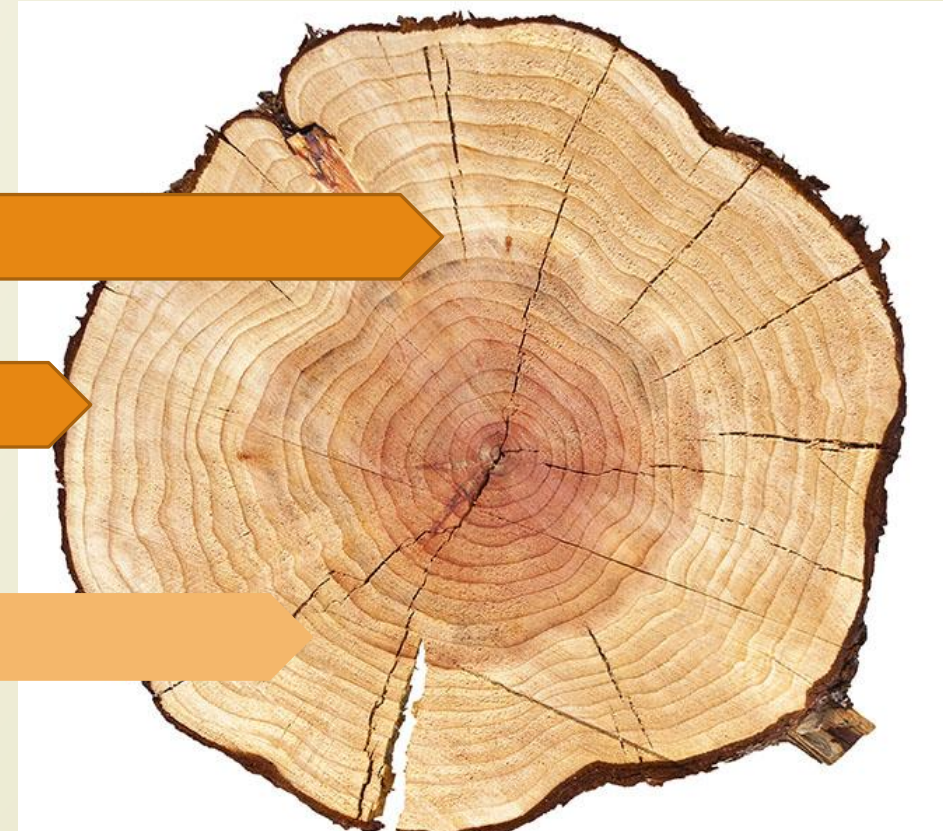
# 2019 Summary

- 2019 has been a successful year for the Bringing Back the American Chestnut Project
- Like the rings in a tree, the project is growing

**81**  
trees in 2019

**26**  
trees in 2018

**50**  
trees in 2020  
(projected)





# 2019 in numbers



81  
trees

planted



450  
companion plants

distributed  
over



60  
native seeds

involved over



40  
volunteers



# Education

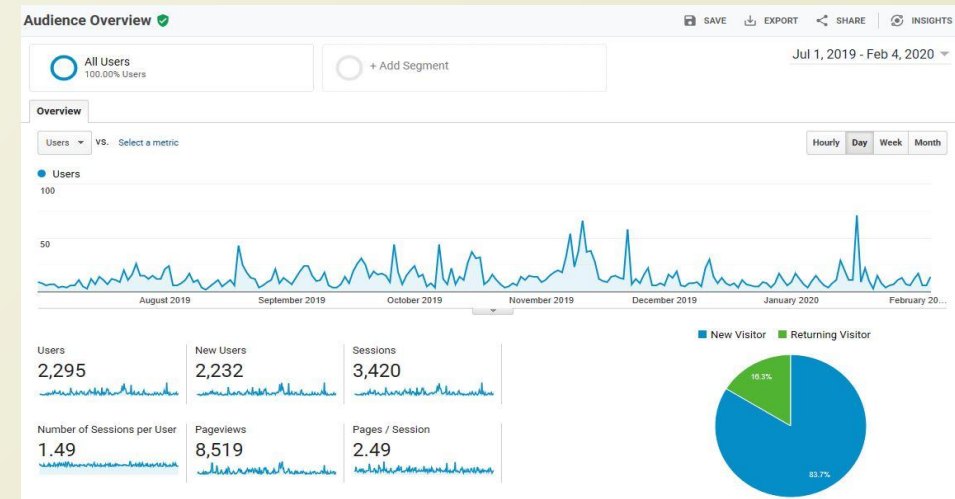
- We held 6 educational presentations, webinars and training sessions educating children and volunteers about the importance of the American Chestnut Tree in the northeastern ecosystems, providing planting instructions and encouraging them to plant the American Chestnut trees in their backyards.
- 150 children participated in the plantings





# Education (continued)

- We distributed over 200 copies of lesson plans and educational materials
- We developed a website on educational resources, storytelling and games for children about the American Chestnut Tree and reached over 2,000 viewers. [www.antinanco.org/act-site](http://www.antinanco.org/act-site)





# Research and Data Collection

- We collected, recorded and analyzed valuable data on the health and growth of the trees, involving citizen scientists in the process.
- We analyzed growth and health based on:
  - Tree genetics
  - Soil composition
  - Sun/shade on site
  - Companion plants present
  - Juglone presence

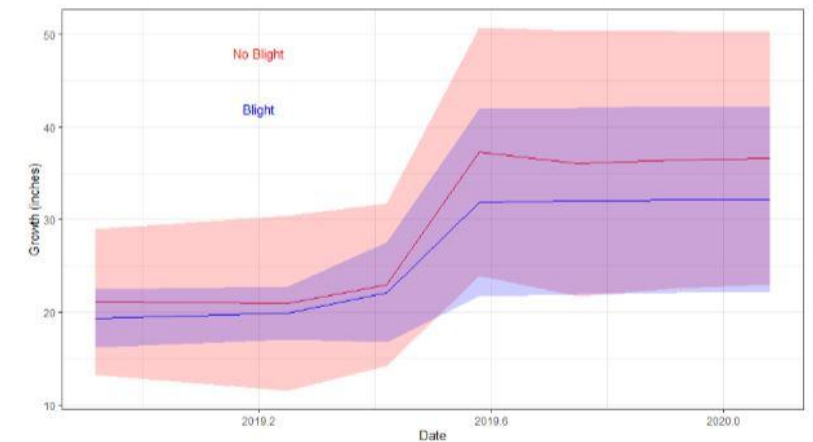


Figure 1. Growth averages (red or blue line) and standard deviation (pink or blue shadow) of all *C. dentata* trees planted at Emmaus, PA location separated by presence or absence of blight. (Growth averages trees that contacted blight are shown in blue and no blight are in red).



# Thank you!

## Your support in action

