WE NEED YOUR HELP!

We are glad to provide these materials for free. In order for us to continue receiving funding for new materials, we need to collect information on how they are used.

Thank you for taking the time to answer the following one-minute survey.

There are three ways to complete the survey:

Scan this code with your smartphone camera



Type the following link into your web

browser:

https://plantheroes.org/educator-survey

Email your answers to: plantheroes@publicgardens.org



- 1) Job title
- 2) Name of organization you belong to
- 3) What kind of educator are you?

Teacher

Summer camp counselor

Home schooler

Public garden educator

Informal educator

Other (please describe)

4) What grade level do you teach?

Elementary (K-5)

Middle School (6-8)

High School (9-12)

Other (please describe)

5) Specify what subject area you teach:

Science

Math

Language Arts

Social Studies

Other (please describe)

6) How many students do you teach in a school year?



Field Guide:

Asian Longhorned Beetle

The larvae of this big black-and-white beetle feed on and kill many different types of hardwood trees. Efforts to stop its spread are essential but very costly.



Plant Protection Program

AMERICAN PUBLIC GARDENS ASSOCIATION



Photo: Gillian Allard, Bugwood.org

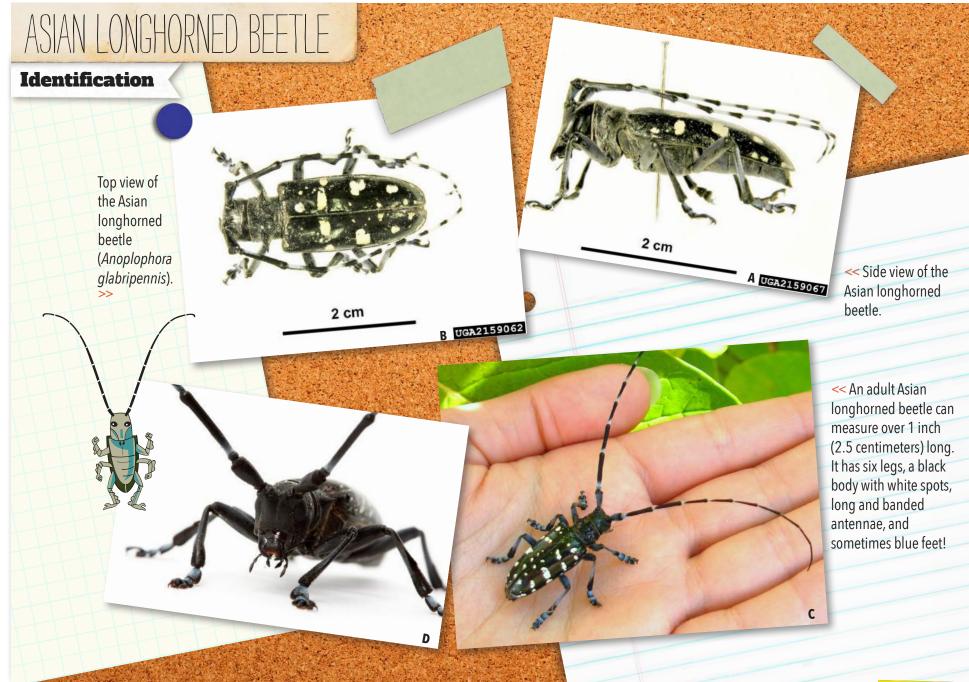




PHOTO CREDITS: A: 0949054: Kenneth R. Law, USDA APHIS PPQ, Bugwood.org; B: 5017021 Pennsylvania Department of Conservation and Natural Resources - Forestry Archive, Bugwood.org; C: Michael Bohne, University of Vermont



ASIAN LONGHORNED BEETLE

Host Trees 2





In addition to white willow (shown here), the Asian longhorned beetle also affects weeping, pussy, and black willows.

Asian longhorned beetles prefer deciduous trees, which are trees that lose their leaves in the fall.









Join our team of Plant Heroes and learn about trees, forests, and the natural world around you!

PLANTHEROES.ORG

You can be a Plant Hero!

Are you curious about plants and animals? Do you like asking questions about nature? Do you enjoy being outdoors and having fun, climbing trees, balancing on logs, or finding a new butterfly or beetle? If so, you are already on your way to becoming a Plant Hero! We invite you to join forces with Nate, Laura, Aponi, and Frankie to protect the plants and ecosystems we all love.

How can you become a Plant Hero?

Join our team and go on a journey with Nate, Aponi, Laura, and Frankie. As a Plant Hero, you will learn to notice when plants are in trouble. You will also find out ways you can act quickly to help find solutions in your own neighborhood. Follow their adventures and learn how they help plants and ecosystems stay healthy.

On the Plant Heroes website, you will find materials to help you learn about plants, forest health, and ecosystem balance. The more you know, the more you can help protect plants and ecosystems in your own yard, neighborhood, and community!

Plant Heroes strives to spark curiosity about nature and science in all children.

Our program provides hands-on, nature-based learning materials for educators to engage children in topics of plant health, ecosystem balance, and forest health. We also spotlight the amazing work our public gardens do in protecting the plants and ecosystems we all depend on through our website and printed materials. Visit **plantheroes.org** today to learn more!

Plant Heroes is brought to you by the American Public Gardens Association, founded in 1940. Over the last eight decades, the Association has supported the work of public gardens in North America and beyond. Our mission is to champion and advance public gardens as leaders, advocates, and innovators in the conservation and appreciation of plants. Our vision is "A world where public gardens are indispensable" as they provide botanic, conservation, community, education, and economic resources to their community.

The Association is committed to increasing the knowledge of public garden professionals throughout North America through information sharing, professional development, networking, public awareness, and research, so that they have the tools to effectively serve visitors and members.





This publication was developed with financial support from the US Forest Service and the USDA Animal and Plant Health Inspection Service.

