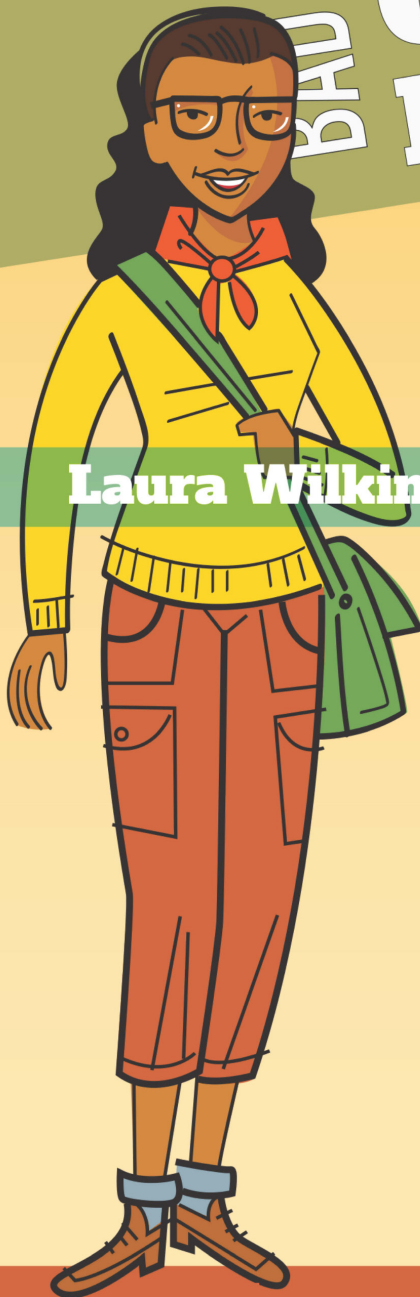




Help them do battle with invasive bugs and nasty fungi that threaten trees and plants.

BAD BUG
ASIAN
CITRUS
PSYLLID

PLANTHEROES.ORG
ADVANCED
ACTIVITY
BOOK



Laura Wilkins



Be a Plant Hero!
Help Laura stop the
Asian Citrus Psyllid
from killing trees
and fruit!



The Asian Citrus Psyllid

The Asian Citrus Psyllid is a destructive sap-sucking bug. It attacks citrus fruit and trees. This beast carries a serious citrus disease, called "Huanglongbing" or "greening disease," and transmits this disease to plant hosts, causing great damage to fruit farming.

Learn more at plantheroes.org

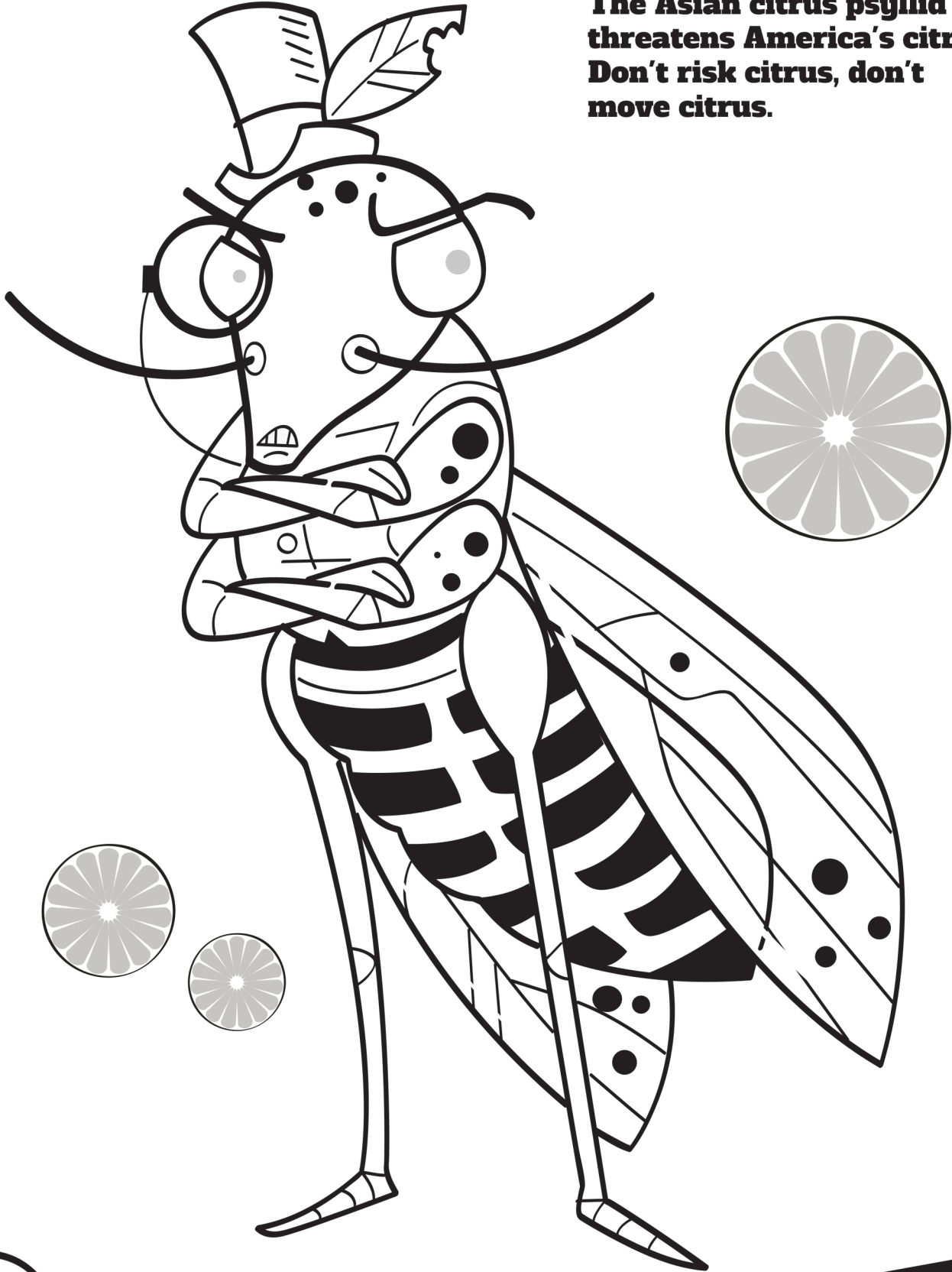


Laura Wilkins is on a mission to stop the Asian citrus psyllid and the deadly citrus disease that it carries!



Coloring Page

The Asian citrus psyllid threatens America's citrus. Don't risk citrus, don't move citrus.



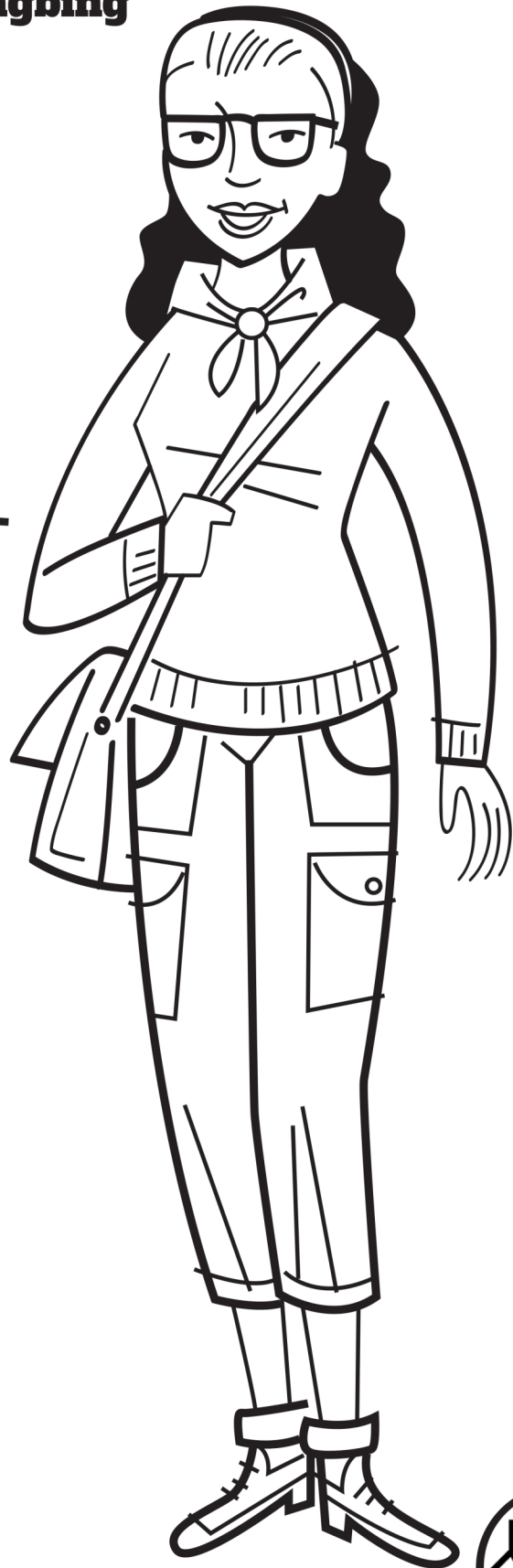
Coloring Page

The insect carrying Huanglongbing (or greening disease) is the Asian citrus psyllid. It causes great damage to crops!

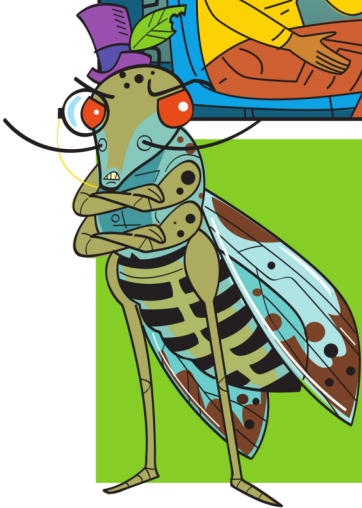
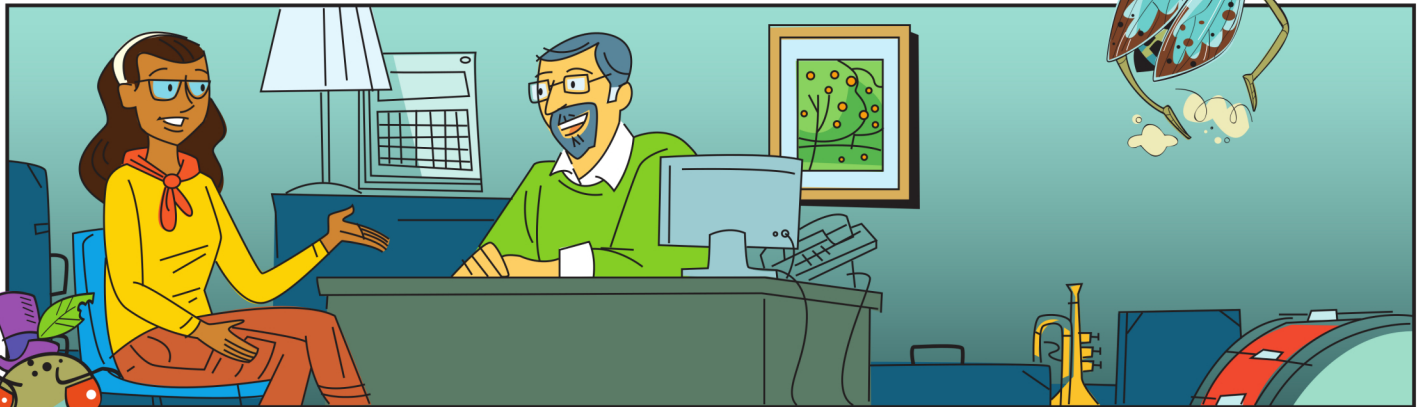
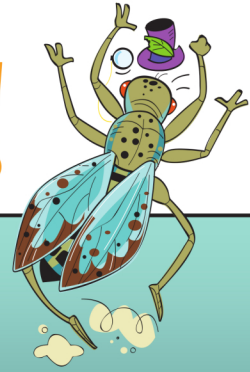


Pest and Diseases Image Library, Bugwood.org

The bad guys usually feed head down, tail up as they suck sap from leaves.



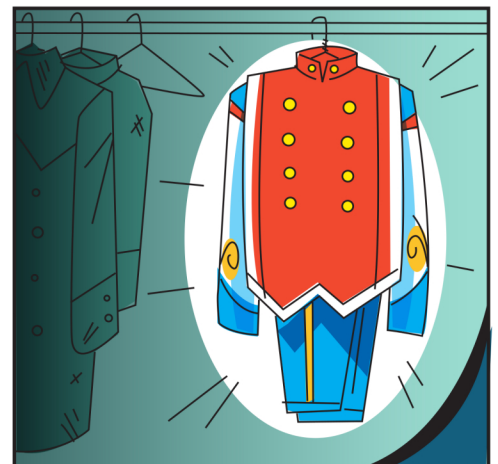
ORANGE YOU GLAD YOU ASKED!



Laura (a trumpet player) is in the high school band. Their band director, Mr. Mason, has been talking about doing a fundraiser to upgrade their band uniforms. He mentions that he's spending Thanksgiving with a cousin in Florida who lives on an old orange farm.

The farm's been out of business for several years ...

...but his cousin said he could come get a truckload of oranges anytime, so long as "he did the pickin."

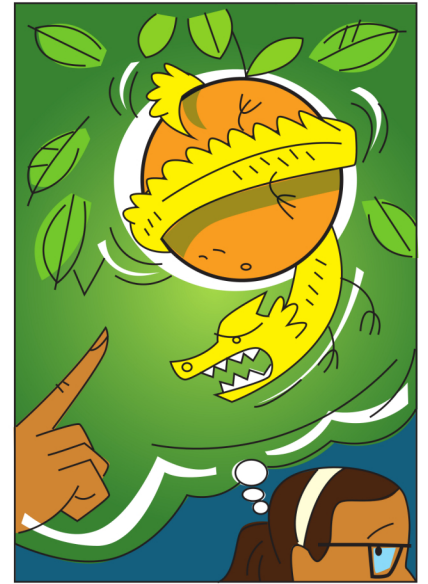


Mr. Mason suggests that they could easily sell the fruit at their winter holiday performance and use the money to get new uniforms!

The story makes Laura think about her family's visit with her Aunt Linny in Mobile, Alabama last winter.



She remembers enjoying all of the citrus in her aunt's garden and her disappointment to learn that she couldn't bring any home because it hadn't been inspected and might be carrying Asian Citrus Psyllid and the deadly citrus greening disease aka yellow dragon disease.



Her aunt explained to her that they didn't want to risk introducing these bad guys to a new area....

WAIT, how would this be any different!



Laura suggests to Mr. Mason that they look for a more "official" supplier of fruit, and after a little searching online, they discover a fruit association that has a fund-raising program and guarantees that all of its produce is inspected by the USDA. They put together their order and start marketing the band's fruit sale event.



It was a huge success! They got new uniforms, and knowing that they did it without introducing a nasty pest makes the whole school proud. They even had enough extra to take an end of the year **FIELD TRIP!!!**



Name _____



Date _____



Asian Citrus Psyllid

**BITTER
CITRUS
FLOWER**

**PEST
FRUIT**

**DISEASE
BRANCH**

**DETECT
ORCHARD**

O D **D i s e a s e** e

U I X N s L P e s t

C i t r u s F u E D

t e F K B i t t e r

H u r r R F r u i t

A e D e t e c t L e

V w r F F l o w e r

d r d O r c h a r d

B r a n c h r X R B

Name _____



Date _____



Asian Citrus Psyllid

Find and circle the following words:

**FRUIT
FLOWER
ORCHARD**

**INSECT
HEALTHY
CITRUS**

**DISEASE
DETECT**

**LEAF
PEST**

Complete the maze, and then find the words. The words can only be found along your maze path.

PWMLWDEPELEAFTMNCITRUSHLQHIWGSOVORPLMAWPOCCJQKSICSKDDAADIJXH
 I O F A
 Y O J X
 O I B V
 R B PDETECTXYJQKG V NLIPL WQDKJSNWA AGXSRPJCTRAAC
 F A A C E R W M
 D G B S A G T D
 U T M A J U K P
 C SVPKXANDLAWUG N VXMOD I Y W CCTYW U B D
 M K M P N G Y V Q I
 R K L S P X C G K S
 A X A F E W O X D E
 V N HTMEG N R S TBOQB TAPHCMNUK PGMSTYHIE A
 C C U T W X Q S
 L X I C K B B E
 T Y T Y R I S G
 PAUCYUEN GHBQCKQIJ A WTPGWTLV ILHESLKHU X VITDT
 G C G F O H K A
 Q U S Q K E V H
 H O B M S A D S
 J RAYGSAWUR SWUDBFLLU JFLOWERDCXDGP M QVUDL A H
 V B C Q I K T L
 Q F H C V H H U
 G W A I S D Y N
 V SFDNN R INSECTQILD AOH GUNKCIJGTSYIHHGPG VETQX S
 C D P D
 I E K J
 R Q W Q
 ULHFOUDBDOPFHGLMQTNMSMVVMXKBURCHMTEGVHWDANNQYEGAASGXLAVOGBUXY

START ►

► END



GAMES!
Learn more and test your knowledge with interactive games on plantheroes.org
© 2015 American Public Gardens Association



Name _____

Date _____

Oh, no! The letters from 10 words have been curved and hidden in the puzzle. A curved word may start anywhere in the puzzle. It can then move in any direction. Once a word has used a square in the puzzle, that word may not re-use the same square. But another word is allowed to re-use squares from other words. One word has already been found for you! Find each of the following words.



Asian Citrus Psyllid

DETECT
DISEASE

LEAF
BRANCH

FRUIT
CITRUS

PEST
INSECT

BITTER
HEALTHY

R	H	P	B	F	E	I	E	T	L
D	A	I	T	T	E	R	N	A	I
S	E	R	R	I	S	E	A	S	E
L	T	T	D	P	F	E	P	O	E
D	E	A	B	R	P	S	P	C	N
U	C	N	A	H	F	T	T	C	T
E	T	N	L	E	A	L	T	H	Y
E	C	H	Y	O	U	F	R	U	I
H	T	U	Y	I	S	U	R	T	I
A	H	N	S	E	E	N	C	C	O



GAMES!

Learn more and test your knowledge with interactive games on plantheroes.org

© 2015 American Public Gardens Association

Plant Heroes Pledge

This Certifies That

_____ is an Official Member of the Plant Heroes Team and pledges to:

- **Learn about the pests and diseases that affect the plants in my region**
- **Be on the lookout for symptoms of pests and diseases on trees in my neighborhood**
- **Report any suspicious findings to an adult who can notify the local extension agent**
- **Refrain from moving firewood**

Awarded by the
American Public
Gardens Association





Help them do battle with invasive bugs and nasty fungi that threaten trees and plants.

PLANTHEROES.ORG

Why Do Plants Need Heroes?

Every year, plant pests and diseases damage and kill millions of trees, both in our neighborhoods and in natural areas. This damage has a negative impact on vital ecosystem services like air and water purification and costs billions of dollars in cleanup and lost revenue.

Who are the Plant Heroes?

The Plant Heroes are four young adults who share a love of nature and interest in science. A non-governmental organization (NGO) has heard about their passion and invited them to join together as a "super team" to detect and combat bugs and diseases that harm plants and ecosystem health. The Plant Heroes scout for these threats and report suspicious sightings to their county extension or local forester, who contacts officials and provides mission details and scientific supplies in order to defeat the bad bugs and diseases.

How can you be a Plant Hero?

Help neutralize the threat of plant pests and diseases by becoming a part of the Plant Hero team. Take the Plant Hero Pledge and explore the website to learn more about what to look for and how to report suspicious plant pests and diseases. The more you know, the more you can protect the plants in your own yard, neighborhood and community!

Plant Heroes is brought to you by the American Public Gardens Association.

Founded in 1940 as the American Association of Botanical Gardens and Arboreta, the American Public Gardens Association adopted its new name in 2006. Over the last seven decades, it has emerged as the premiere association for public gardens in North America.

Today, the Association's 590 member institutions are located throughout the United States, the District of Columbia, Canada, and seven other countries. 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.



**American
Public Gardens
Association**



This publication was developed with financial support from
USDA - Animal and Plant Health Inspection Service (APHIS)
and reproduced with financial support from
USDA - Forest Service.