# Here Today & *Hopefully* Gone Tomorrow: Invasive Forest Insects

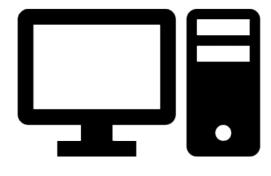
Amy Stone, Extension Educator, Ohio State University Extension

Jamie Dahl, Forest Outreach Coordinator, Central State University Extension















#### Overview:

Non-Native Tree Pests: A World-Wide Problem!







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Non-Native Tree Pests: A World-Wide Problem!

Fall Webworm Moth *Hyphantria cunea* 

American White Moth *Hyphantria cunea* 







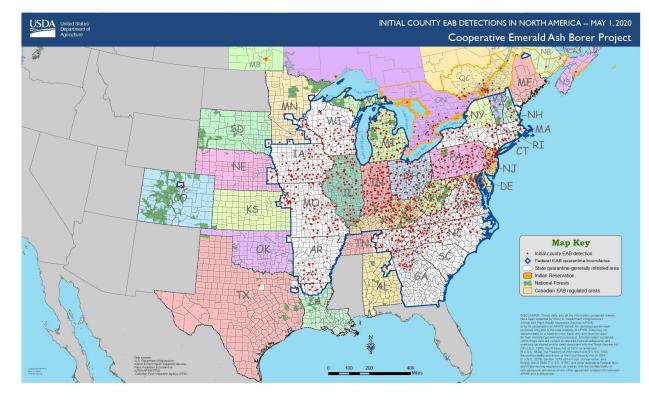
Native biocontrols help to regulate populations: caterpillars seldom cause significant harm

Native to North America
Detected in China
in 1979



# Emerald Ash Borer *Agrilus planipennis*









## Emerald Ash Borer Agrilus planipennis



















## Gypsy Moth Lymantria dispar











## Gypsy Moth Lymantria dispar























## Spotted Lanternfly Lycorma delicatula

- Non-native invasive insect
- Native to parts of Asia
- Discovered in southeastern PA in 2014
- Found 15 miles from Ohio border in 2020

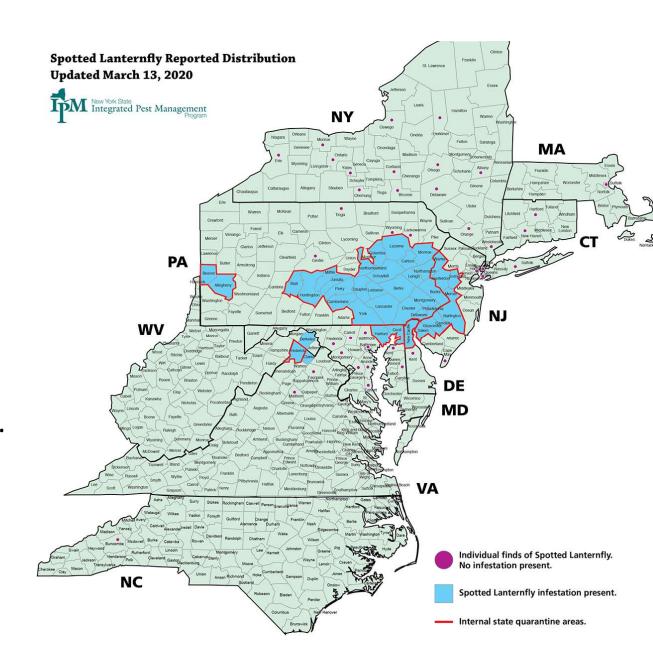






#### IF Found...

- Report any suspected
  finds to the Ohio
  Department of
  Agriculture, or local
  Cooperative Extension
  Office, or via the Great
  Lakes Early Detection App.
- Also- check vehicles and objects if traveling
- Do NOT move firewood!



#### **SLF Preferred Hosts:**

- Tree of Heaven (Ailanthus altissima)
- Grapes (Vitis spp.)







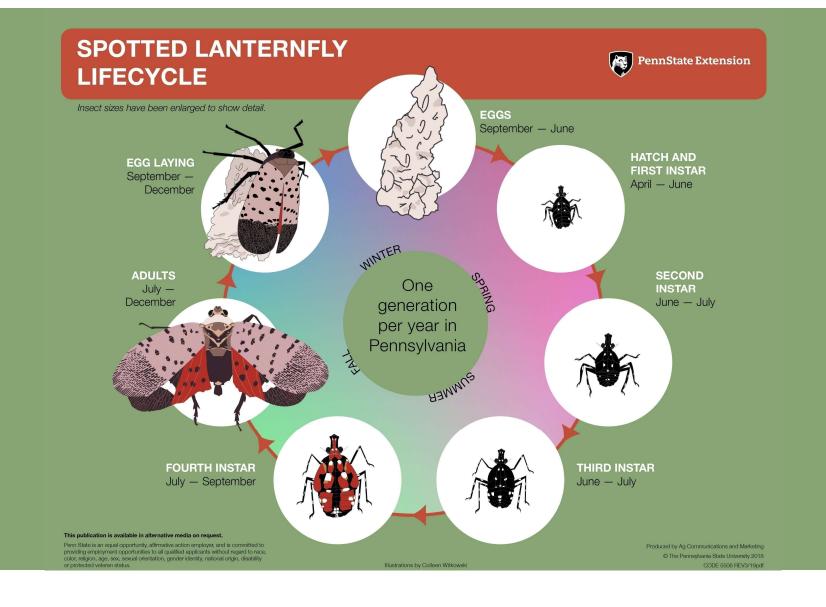






#### **Monitor Tree of Heaven**





## **Spotted Lanternfly (SLF) Life Cycle / Descriptions**



• Eggs:

 Laid then commonly cove with waxy coating

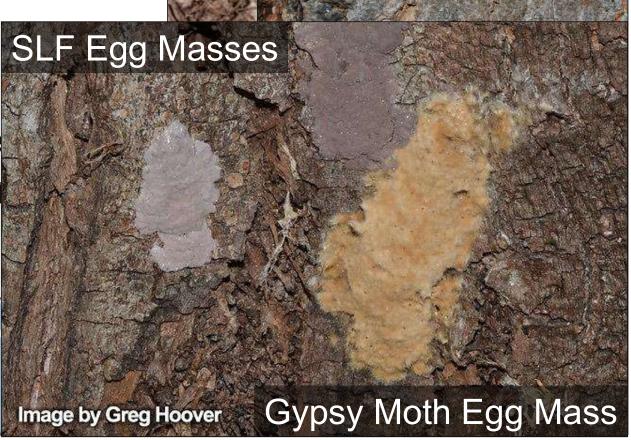
Overwintering stage

ing

Egg N

1 – 1

1/2 – Im



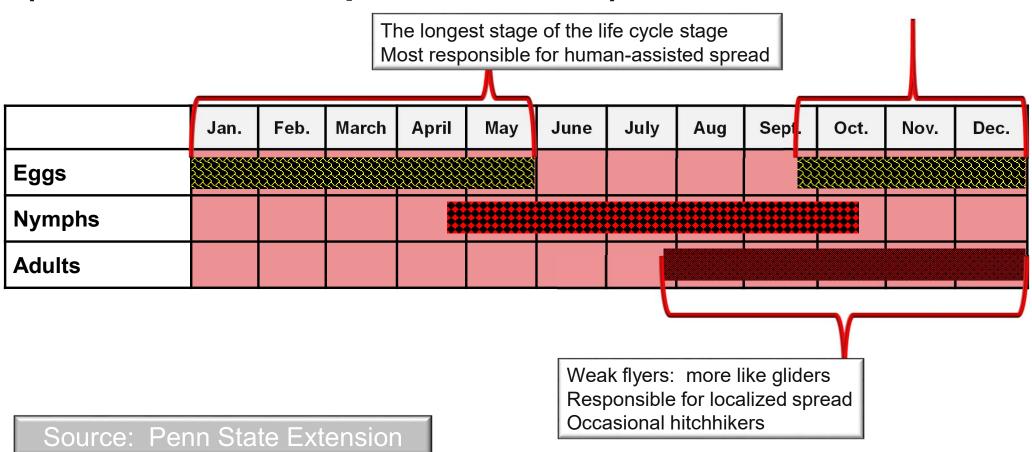


First to Third Instar: April through July



Fourth Instar:
July through September

### Life Stage Present (One Generation per Year in PA)





Adults:
July through December

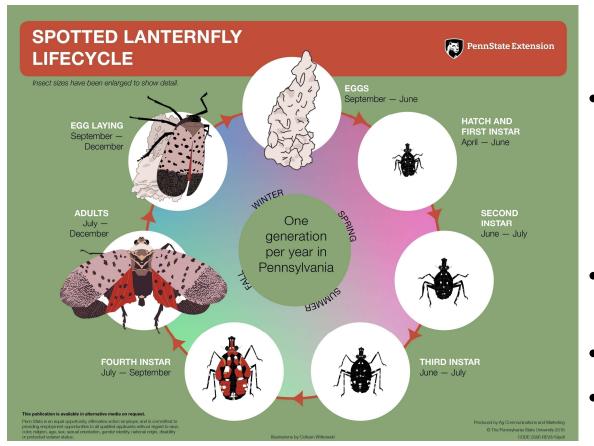


Egg Laying: September through December

**Spotted Lanternfly Summary for Detection** 



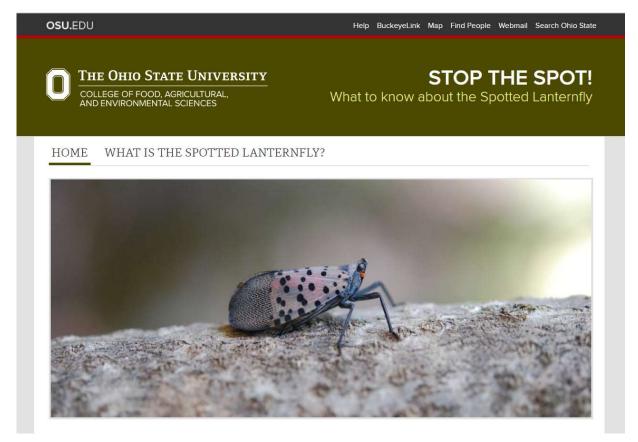




#### REMEMBER

- Report any suspected finds
   the Ohio Department of
   Agriculture, or local Cooperative
   Extension Office, or via the Great
   Lakes Early Detection App.
- Also- check vehicles and objects if traveling
- Do NOT move firewood!
- Seek professional assistance

## Designated Website



go.osu.edu/
SLF
spottedlanternfly
Spotthespot

SLF Factsheet is now available: <a href="https://ohioline.osu.edu/factshe">https://ohioline.osu.edu/factshe</a> et/anr-83

Penn State Extension offers great SLF resources: <a href="https://extension.psu.edu/spotte">https://extension.psu.edu/spotte</a> d-lanternfly

Other invasive pest resources from ODNR Division of Forestry: <a href="http://forestry.ohiodnr.gov/">http://forestry.ohiodnr.gov/</a>

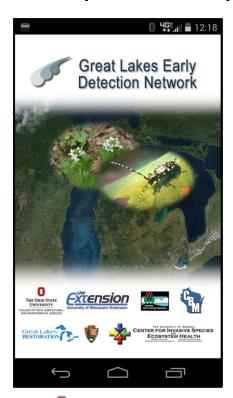


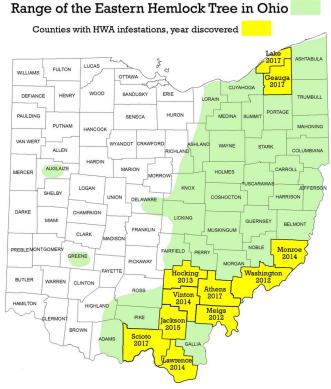


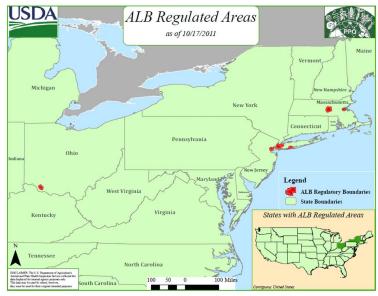
### Great Lakes Early Detection Network App

(GLEDN)











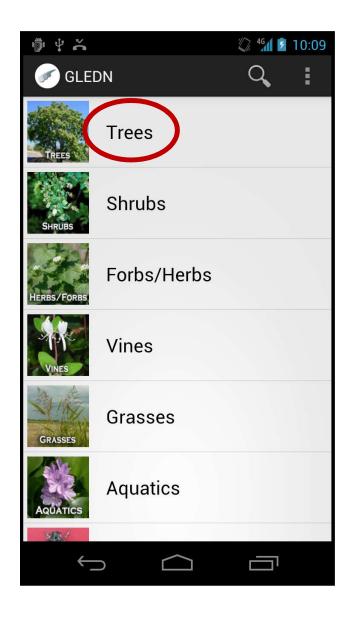


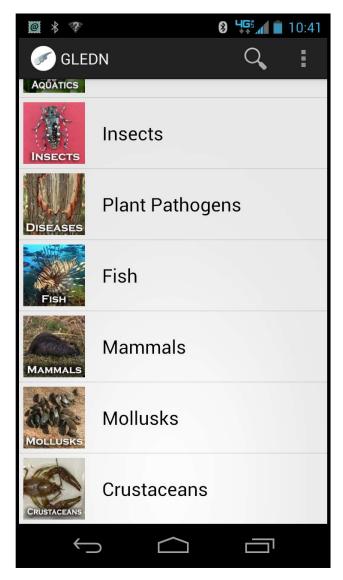


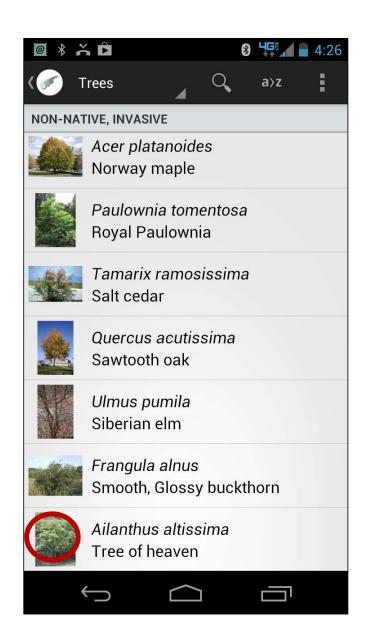


## Ways in which we use the app and need your help...

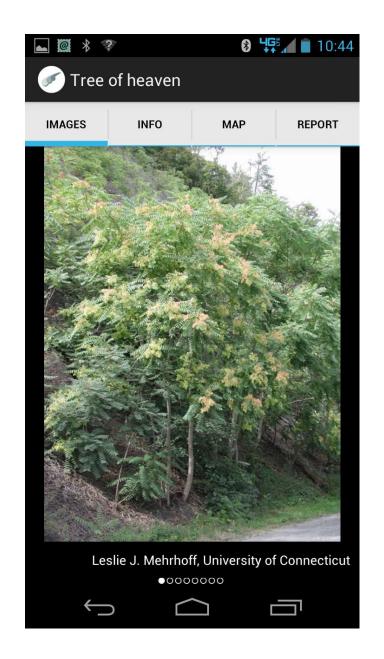
- Pest whose population cycles up and down
- Pest that is establishing along a leading edge
- Monitoring pests for new "hot spots" – one that is not established in many locations

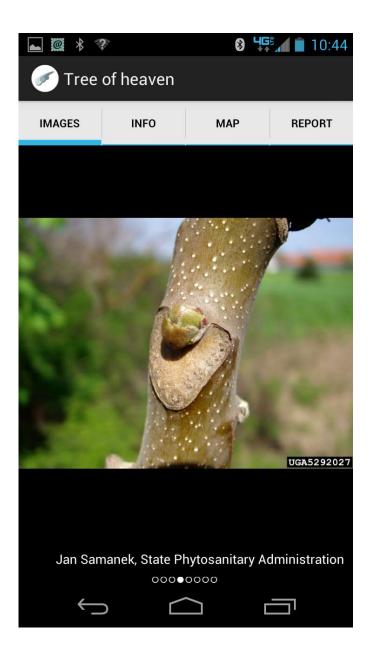


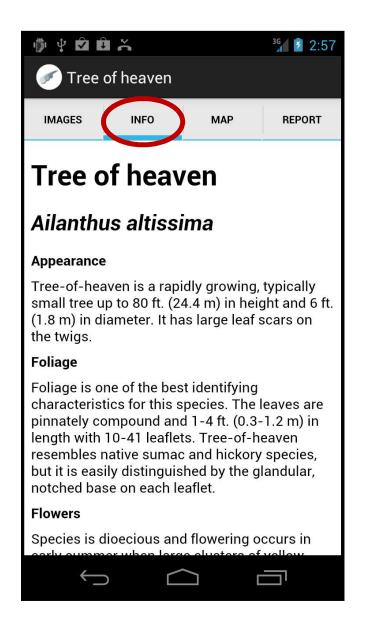


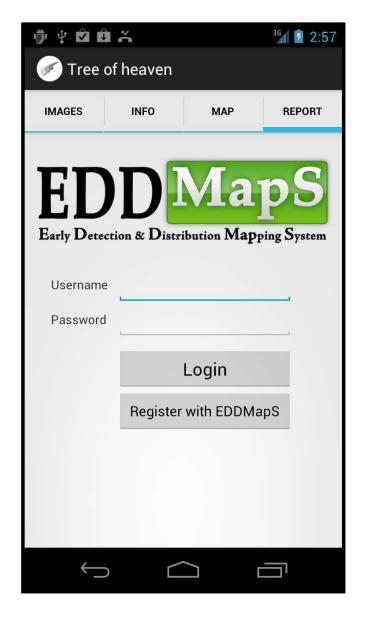


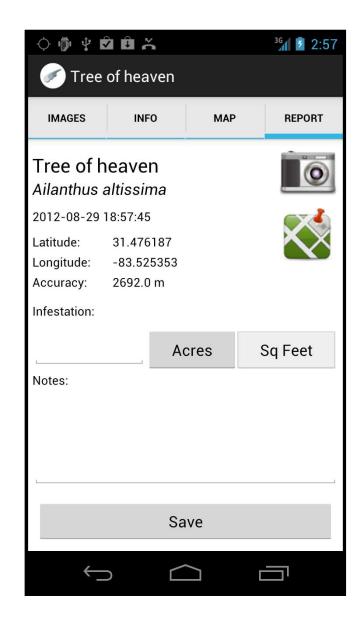
















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#### Questions? Please reach out to us!



**Jamie Dahl** 

jdahl@centralstate.edu

740-279-0656

**Amy Stone** 

stone.91@osu.edu

**OSU Extension** 



