

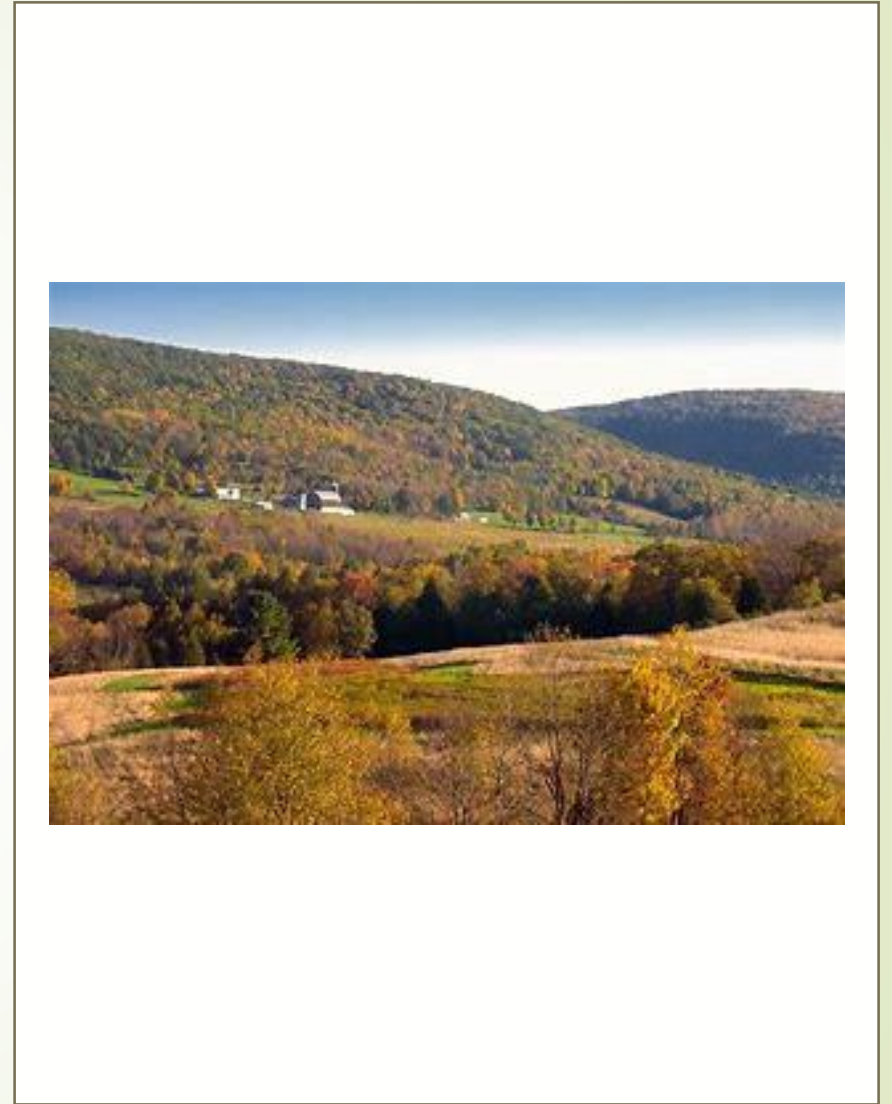


# Spotted Lanternfly

Quarantine, Permit, Compliance

# Why Implement A Quarantine?

- Safeguard Pennsylvania
- Slow the spread of Spotted Lanternfly
- Assure Trading Partners
- Let science and technology advance





# Pennsylvania

## Known Valued Risks

- ▶ Forest Products :\$ 16.7 Billion
- ▶ Grapes \$28 Million
- ▶ Apples: \$87 Million
- ▶ Peaches: \$19 Million
- ▶ Nursery and Landscape: \$944 Million

## Unknown Valued Risks

- ▶ Property Values/Quality of Life
- ▶ Tourism and PA state parks and games lands
- ▶ PA Ecosystems
- ▶ New Business Initiatives
  - ▶ Port of Philadelphia
  - ▶ PA Preferred Brew

# Living With High Populations

## Impact:

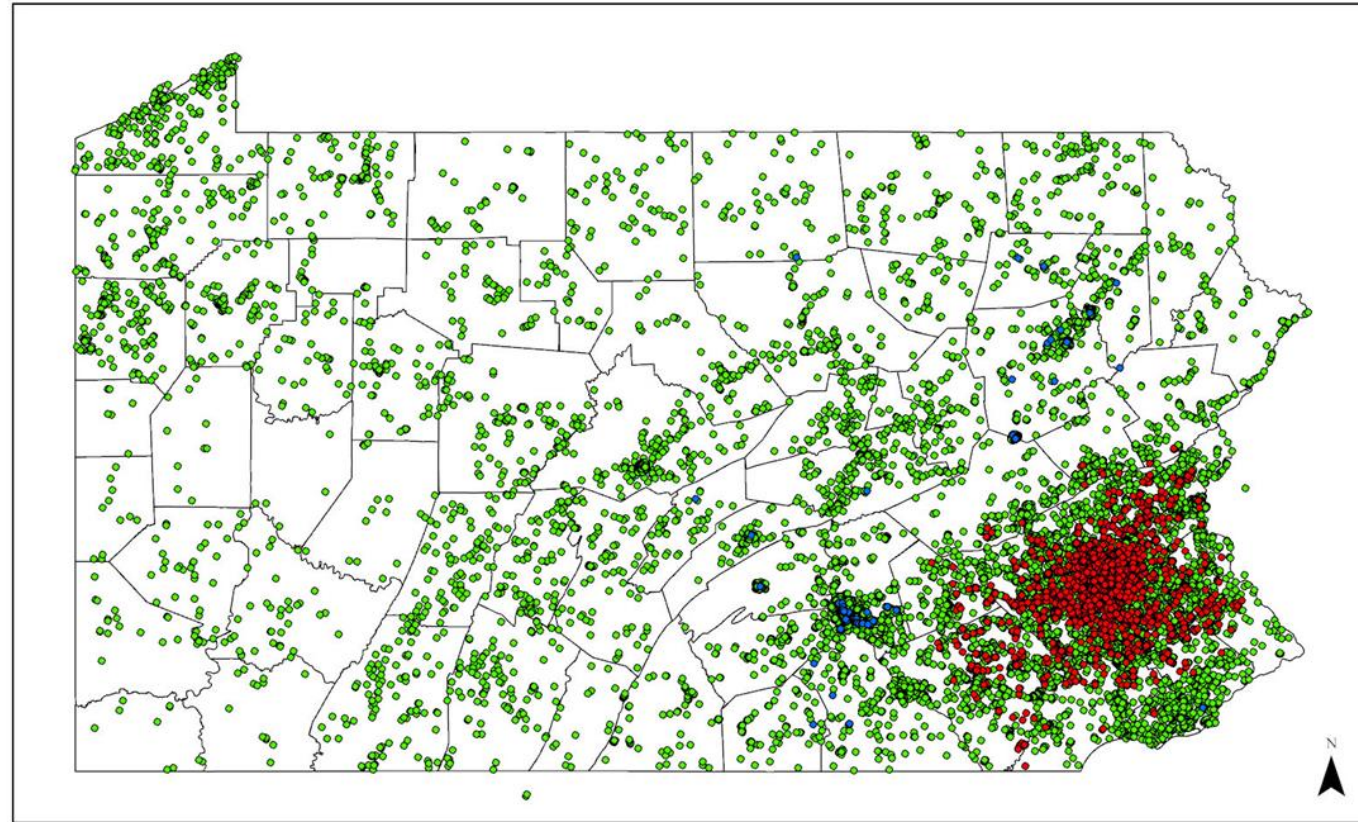
Adult clustering, swarming and Honeydew accumulation can impact quality of life.



# Where in PA is Spotted Lanternfly?

2014 - 2018 Lycorma Detection Survey

Results through 10/12/2018



Spotted Lanternfly Presence

• Regulatory Incident

• Negative

• Positive

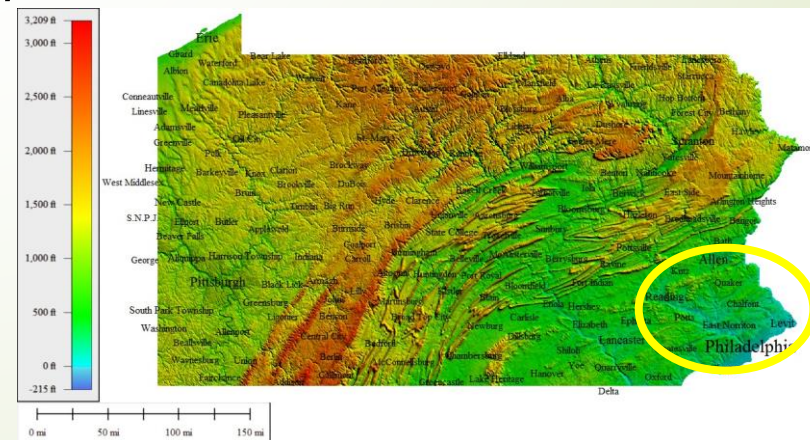
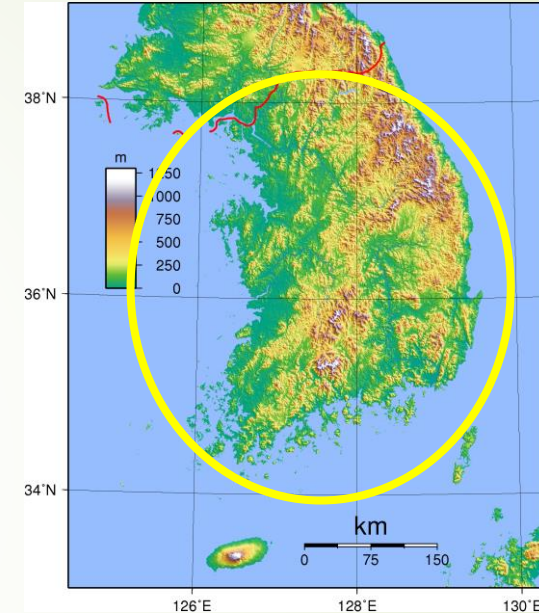


# Slowing the Spread

South Korea at 38,622 sq. miles is slightly smaller than Pennsylvania at 46,055 sq. miles

South Korea completely infested in 3 years with 3 introductions

PA still contained to small area, 1 introduction



# How Can We Work Together

## Vegetation Management

- ▶ Incorporate control measures for *Ailanthus Altissima* (Tree of Heaven)
- ▶ Establish Trap Trees
- ▶ Report Spotted Lanternfly Outside of Quarantine



## Quarantine Awareness

- ▶ Know the states with Spotted Lanternfly
  - ▶ DE, NJ, PA, VA
- ▶ Know what states have a quarantine
  - ▶ Current states with quarantine NJ, NY, PA
- ▶ Know permit requirements
- ▶ Educate employees and visiting companies

# Vegetation Management

## **Removal-Trap Tree Method**

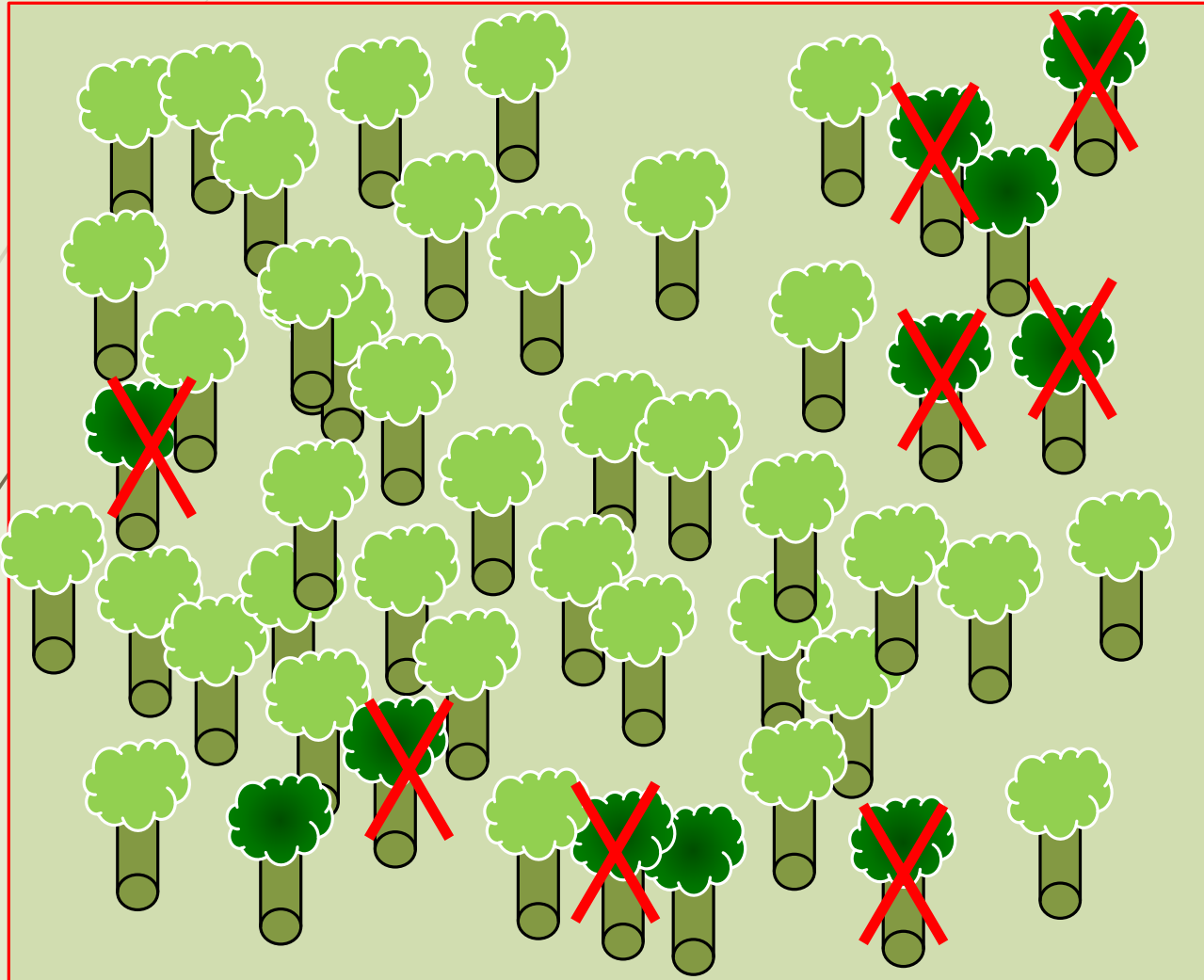
**Most Ailanthus are removed or killed with  
herbicide**

**Incorporate in Vegetation Management Plans**





# Vegetation Management

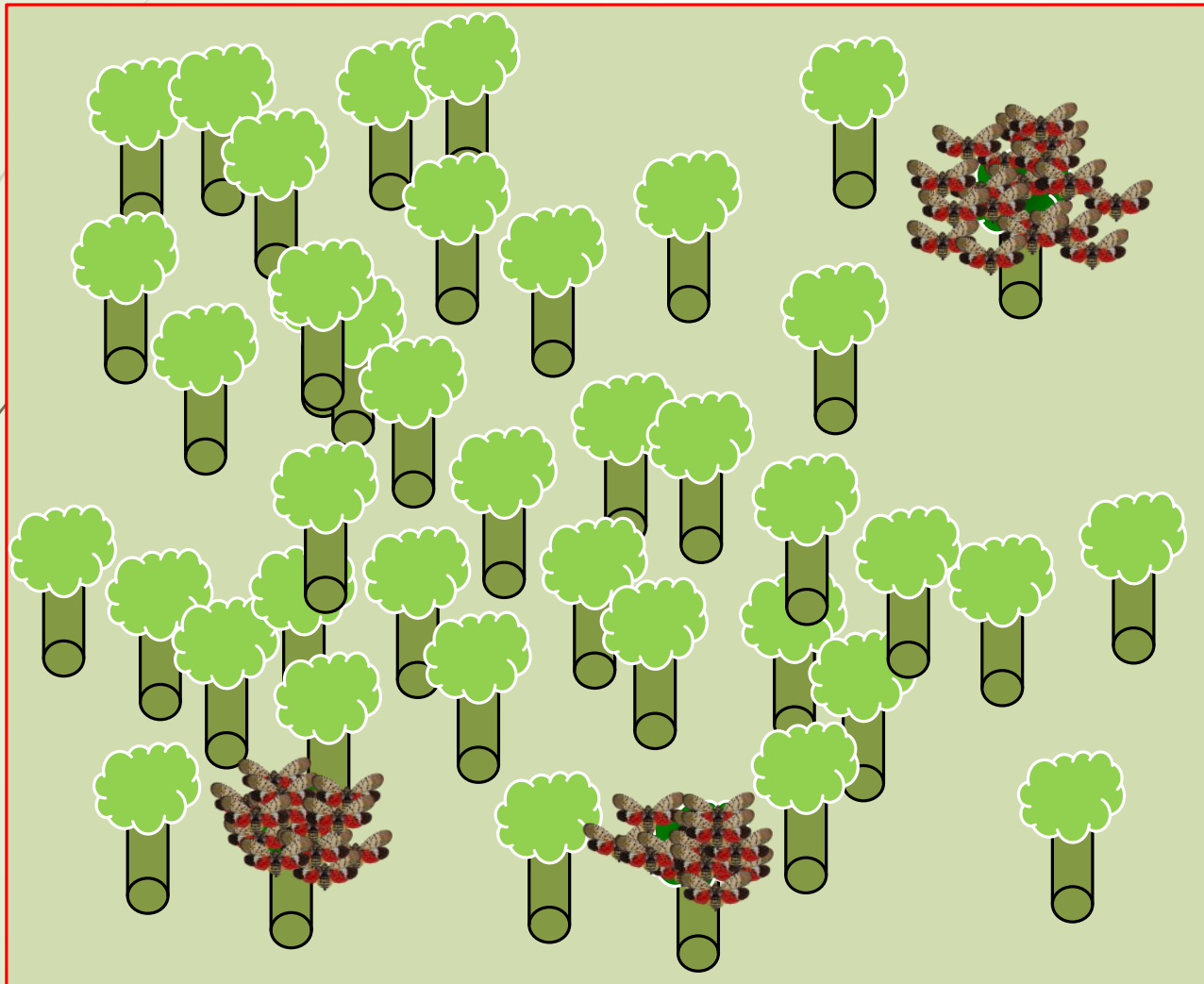


Host Reduction

Remove Most  
Ailanthus

Leave a few male  
trees and treat with  
systemic insecticide

# Vegetation Management



Trap trees

July-September  
4th Instar and  
Adults

SLFs concentrate  
to feed on Tree of  
Heaven with  
insecticide and die

It Works!

## **Impact on Adults is Dramatic**



# Things to Think About

- ▶ Insect likes metal, especially if it is rusty
  - ▶ Containers
  - ▶ T-posts
  - ▶ Barrels
- ▶ Storing equipment
  - ▶ Unused Power Units
  - ▶ Empty Containers
- ▶ Parked vehicles
  - ▶ Don't park in tree lines if possible
  - ▶ Keep windows rolled up
  - ▶ Don't keep cargo doors open and exposed to flying adults
  - ▶ Check before leaving rest areas, fueling areas



# Tools for Compliance

- Compliance Checklist
- Compliance Agreement
- Phytosanitary Certificate
- Permit
  - Hangtag
  - Decal



## Spotted Lanternfly Checklist

IMPORTANT: Make sure you complete this checklist prior to moving items from the quarantine area. Help keep this pest from spreading throughout Pennsylvania. Department of Agriculture needs your help.

**Recreational or Camping Items**

<input type="checkbox"/> Backpacks	<input type="checkbox"/> Ice chests	<input type="checkbox"/> Tents
<input type="checkbox"/> Basketball backboards	<input type="checkbox"/> Motorcycles	<input type="checkbox"/> Tents
<input type="checkbox"/> Bicycles	<input type="checkbox"/> Motor homes	<input type="checkbox"/> Other
<input type="checkbox"/> Boats/Boat trailers	<input type="checkbox"/> Recreational vehicles	
<input type="checkbox"/> Campers	<input type="checkbox"/> Snowmobiles	

**Outdoor Household Items**

<input type="checkbox"/> Barrels	<input type="checkbox"/> Refrigerators/Freezers
<input type="checkbox"/> Cardboard or wooden boxes	<input type="checkbox"/> Storage sheds
<input type="checkbox"/> Outdoor poles	<input type="checkbox"/> Shutters
<input type="checkbox"/> Plant containers	<input type="checkbox"/> Storm/screen doors and windows
<input type="checkbox"/> Firewood	<input type="checkbox"/> Window awnings
<input type="checkbox"/> Tanks for Propane or oil	<input type="checkbox"/> Outdoor furniture
<input type="checkbox"/> Trash cans	<input type="checkbox"/> Other

**Building Materials**

<input type="checkbox"/> Bricks/Cinder blocks	<input type="checkbox"/> Workbenches
<input type="checkbox"/> Cement Mixing tubs	<input type="checkbox"/> Skidsters/Forklifts
<input type="checkbox"/> Lumber	<input type="checkbox"/> Pipes
<input type="checkbox"/> Roofing materials	<input type="checkbox"/> Other
<input type="checkbox"/> Tools and toolboxes	

**Yard and Garden Items**

<input type="checkbox"/> Dog houses, rabbit sheds, chicken	<input type="checkbox"/> Garden tools
--	---------------------------------------



### COMPLIANCE AGREEMENT PENNSYLVANIA DEPARTMENT OF AGRICULTURE CHIPS and MULCH DISTRIBUTION

THIS COMPLIANCE AGREEMENT ("Agreement") is entered into this \_\_\_\_\_ day of *(Enter Month and Year)* by and between the COMMONWEALTH OF PENNSYLVANIA, DEPARTMENT OF AGRICULTURE (hereinafter "Department"), and *(Enter company name or person name as it appears for signature line)* (hereinafter "Participant"), *(Enter address for company)*. Department and Participant may be hereinafter referred to jointly as "Parties."

Agreement Number: SLF- \_\_\_\_\_ Expiration Date: January 31, 20\_\_

Inspector: \_\_\_\_\_ PA Plants: \_\_\_\_\_

#### BACKGROUND

Whereas, the purpose of this Agreement is to establish the general understandings, covenants and concurrences between the Pennsylvania Department of Agriculture and the undersigned Participant with respect to the Order of Quarantine; Spotted Lanternfly 44 Pa. B. 6947 issued Saturday, November 1, 2014 and all Addendums thereto (hereinafter "Quarantine Order"); and

Whereas, *Lycorma delicatula*, Spotted lanternfly was declared a plant pest, under the Quarantine Order promulgated and published by the Department, that has the potential to cause serious damage to crops, plants and plant products, more specifically grapes, orchards, timber, and other products derived from trees in the Commonwealth of Pennsylvania; and

Whereas, grapes, orchards, timber, wood and other products derived from trees are considered to be agricultural crops; and

Whereas, the Department under the authority of the Plant Pest Act, act of December 16, 1992, P.L. 1228, No. 162, (3 P.S. § 258.1 *et seq.*), and more specifically section 21 of the Plant Pest Act, act of December 16, 1992, P.L. 1228, No. 162 § 21, (3 P.S. § 258.21(a)), may establish quarantines to prevent the dissemination of plant pests within this Commonwealth when the plant pest has the potential to cause serious damage to agriculture; and

Whereas, a Quarantine Order was promulgated and published by the Department establishing a quarantine under the authority of section 21 of the Plant Pest Act, act of December 16, 1992, P.L. 1228, No. 162 § 21, (3 P.S. § 258.21(a) and (c)) for the purpose of preventing, controlling and eradicating the spread, dissemination and infestation of Spotted Lanternfly;

# Permit

## Why

- ▶ Raise Awareness and Understanding
  - ▶ Requires businesses to train employees
    - ▶ Life cycle
    - ▶ When to look
    - ▶ What to do
- ▶ Mechanism for business
  - ▶ Continued movement of product and services
- ▶ Less Burdensome than Compliance Agreement
  - ▶ Can take several hours to days of people's time
- ▶ Community Confidence
  - ▶ See business engaged in safeguarding
  - ▶ Participants on PDA web site



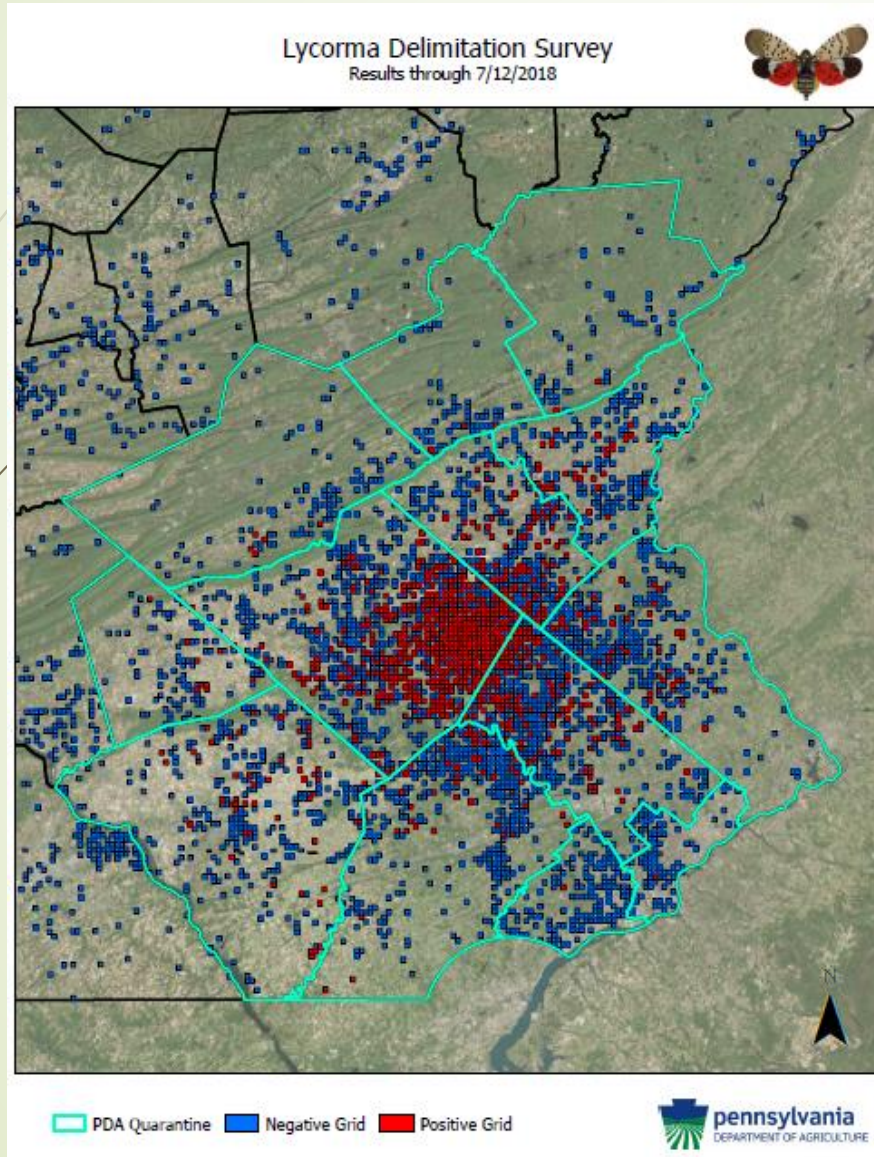
# Permit

## Things to Know

- ▶ All Businesses, Federal, State, and Local Agencies and Groups require Permits
- ▶ Training
  - ▶ Online: [extension.psu.edu/spotted-lanternfly](http://extension.psu.edu/spotted-lanternfly)
  - ▶ Face to Face
- ▶ Exam
  - ▶ Online during course review
  - ▶ Face to Face – coordinate with Regional PDA staff
    - ▶ Similar to Pesticide testing
    - ▶ PDA staff to administer
    - ▶ Multiple Choice Exam



# Permit



## Minimizing Movement

- Outside the Quarantine
- Inside the Quarantine
  - High Populations vs Low Populations
  - Re-infestation of controlled area



# Transporters

## Roadside Inspections

- Compliance Agreement stickers or permits required
- Pennsylvania
  - Grace Period
  - May 1, 2019 Verification Begins
- Other States and PA
  - Allow Entry
    - Notice of Rejection
  - Refuse Entry
    - Living Life stage of SLF
    - Repeat Offenders



# How Does a Business Know If A Permit is Required?



## Do I Need a Permit?

Spotted Lanternfly permits are required for **Businesses and Organizations** if you are moving within or from the quarantine zone in the course of your work.

### Examples:

1. A tax preparation business has an office within the quarantine zone. Employees drive their personal cars to work and work in the office all day. The business has no company cars, and is not actively moving products.

***This business does not need a permit.*** (However, employees are encouraged to complete and carry a [compliance checklist](#) in their own vehicles.)

2. A potato chip company has a manufacturing facility in the quarantine zone that packages pallets of product, and ships either in its own fleet of trucks or with common carriers.

# Who Should Take the Training and Exam?

## Business

- ▶ Owners, Supervisors, Managers
  - ▶ Designated by company
    - ▶ Required to oversee training of all employees they request to have a permit
    - ▶ Training materials available on PSU webpage during the training
      - ▶ Handouts
      - ▶ Examples for Records
      - ▶ Power Points
    - ▶ Requires record keeping
    - ▶ Each employee should **NOT** take the exam
    - ▶ Span of Control
      - ▶ 200 vs 2000

## Agencies

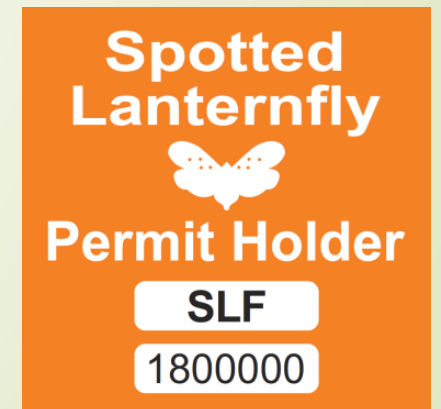
- ▶ Regional or District Supervisor or Manager
  - ▶ Determined by Agency/University/ or Group



# Permit

## Out of State Companies Coming to PA

- Recognized Population
  - USDA
  - State Departments of Agriculture
  - States with populations: DE, NJ, PA, VA
    - DE – New Castle
    - NJ – Hunterdon, Mercer, Warren
    - PA - Berks, Bucks, Carbon, Chester, Delaware, Lancaster, Lebanon, Lehigh, Monroe, Montgomery, Northampton, Philadelphia, and Schuylkill
    - VA - Winchester
- PA Requires Permits for vehicles from known population locations
  - May take PA test and receive permit
  - Must conduct business in PA
  - Think about Emergency Situations
    - Supplies for areas in crisis
    - Equipment for clean up assistance



# How Can We Work Together



## Permits

- ▶ Ask Questions of Vendors
- ▶ Require them to safeguard your commodities
- ▶ Report Spotted Lanternfly Outside of Quarantine

## Check Incoming Material and Equipment

- ▶ Inspect materials and equipment being shipped to you from quarantine areas
  - ▶ DE, NJ, PA, VA
- ▶ Report movement of living life stages
- ▶ Protect your business





# What We All Want to Avoid

## Business

- ▶ The reputation of “That Company”
- ▶ Extra requirements from other states and countries
  - ▶ Cost extra money
  - ▶ Loss of customers
- ▶ Fines and Penalties

## State

- ▶ Spread
- ▶ Harsh exterior quarantines
  - ▶ Restrict trade
  - ▶ Additional resources
- ▶ Fines and Penalties



# Links to Know

[extension.psu.edu/spotted-lanternfly](https://extension.psu.edu/spotted-lanternfly)

- ▶ Online Training and Exam

[slfpermit@pa.gov](mailto:slfpermit@pa.gov)

- ▶ Questions regarding permits



*Thank you!*