Inspection Procedure on your Farm
Spotted Lanternfly Biosecurity

Adults: July - December

Egg Laying: September - November

Eggs: October - June

One Generation Per Year

Fourth Instar: July - September

Hatch and 1st Instar: May - June

Third Instar: June - July

Second Instar: June - July
SLF Requires Multiple Approaches

- Scraping Egg Masses - fall through spring
- Banding Trees - spring through summer to catch nymphs
- Mechanical Removal - all life stages
- Predators - give some control
- Ailanthus Control
- Pesticide Applications - nymphs through adult
Permit Versus Compliance Agreement: What Do I Need?

- **Permit**
  - All Businesses Operating in the Quarantine That Involve Mulch/Chips, Firewood
  - Logs and lumber
  - Cut Xmas trees

- **Permit + SLF Compliance Agreement**
  - All Businesses Operating in the Quarantine That Ship Nursery Stock Outside the Commonwealth of Pennsylvania: SLF wording included in Compliance Agreement

- **Permit + Nursery Stock Compliance Agreement**
  - All Businesses Operating in the Quarantine That Ship Nursery Stock Outside the Commonwealth of Pennsylvania: SLF wording included in Compliance Agreement
- All businesses moving products, vehicles, or other conveyances in and/or out of the SLF quarantine must be permitted
- All businesses hiring outside shipping are required to verify shipping company has permits
- Requires self-inspection of vehicles and materials
- Records of employee training, shipping records and vehicle/cargo inspections must be kept for a minimum of two years
Spotted Lanternfly Compliance

Permit + SLF Compliance Agreement

- Mulch and firewood require SLF compliance agreement when shipping *within* the quarantine as well as outside the quarantine.
- Moving nursery stock within the quarantine or within PA does not require an SLF compliance agreement.
- All businesses shipping nursery stock outside of the Commonwealth
- Moving nursery stock, materials and products outside of the state require General Nursery Stock compliance agreement with SLF language
- Nursery Stock Compliance Agreement encompasses SLF regulations as well as other state’s shipping requirements
Why is Spotted Lanternfly a Concern?

It is a pest of Agricultural commodities like Grape, Hops, Apples, Hardwoods, Nursery Stock, and makes use of numerous other plants and vines like basil, horseradish, oregano, cucumber, blueberry, bittersweet, Virginia creeper and many other plants.
Current Values of Some Affected Commodities

• Forest Products: $19 billion
  – #1 exporter of hardwoods
• Grapes: $4.8 billion
  – 3rd largest producer of juice grapes
  – 5th largest producer of wine grapes
• Apples: $87 million
  – 4th largest producer of apples
• Peaches: $19 million
  – 5th largest producer of peaches
• Nursery & Landscape: $944 million
Spotted Lanternfly Compliance

• Estimated Economic Impact on Agriculture
  • $13.1 million within Quarantine
  • $42.6 million statewide

• Nursery Operators
  • $8 million within Quarantine
  • $22.9 million statewide

• Forest Products
  • $16.7 million within Quarantine
  • $152.6 million statewide
What to expect from an Inspection

• Issue Notice of Inspection
• Discuss SLF Quarantine
• Inspector completes walk around, starting with surrounding tree lines
• Visually inspects critical control points
• Discuss safeguarding measures
• Discuss training and record keeping requirements
• Provide Report
• Essential Paperwork Provided
Spotted Lanternfly Compliance

Critical Control Points

• Shipping/Receiving
  • Equipment
  • Nursery Stock
  • Vehicles

• Outdoor Storage

• Tree lines

• Buildings
  • Doors
  • Loading Docks

• Staff
  • Loading/Unloading
  • Scouting
  • Drivers
Requirements for Permit and Compliance Agreement Participants

• Train your employees on the following:
  • Life cycle
  • Risks of SLF movement, especially adults and egg masses
  • What to look for at different times of the year
  • What needs to be inspected
  • Or use the Penn State employee training PowerPoints
    • [https://extension.psu.edu/spotted-lanternfly-permit-training-powerpoint-slides](https://extension.psu.edu/spotted-lanternfly-permit-training-powerpoint-slides)

• Treat, process and inspect regulated articles received and stored in a manner that complies with the methods of treatment as described in the Quarantine Order

• Recordkeeping requirements
  • Recordkeeping of training, inspection of vehicles, and control measures taken (destruction of SLF, etc.) must be maintained for a minimum of two years
  • Incoming and Outgoing Shipping records of regulated articles
  • Document your efforts
**TRAINING:** owner/manager of the business must take the SLF Permit Training Course and Exam. Once Certified, they must train all employees/workers involved in the business about the life cycle, risks, inspection of articles, and prevention of movement of spotted lanternfly, including scraping egg masses and killing adults if they are found.

**INSPECTIONS:** commodities and vehicles, trees in the field before harvesting or while baling and loading

**SHIPPING:** inspect before leaving on the truck, also check trucks, include copy of SLF permit with shipment. Keep a copy of the SLF permit inside each vehicle involved in the business at all times. For nursery stock compliance agreements, affix label certificate to invoice.

**TREATMENTS:** scrape eggs masses from trees/vehicles; kill adult SLF; pesticide treatments

**RECORDS:** Training records of employees, invoices, receipts, inspections of vehicles, pesticide treatments

**MITIGATION:** tarping of vehicles, keep trees away from tree lines, ship within a reasonable time frame with 5 days, closed trucks, if possible, park loaded trucks under cover of a building
Additional Information

Quarantine compliance and information:
PA Department of Agriculture
https://www.agriculture.pa.gov/SpottedLanternfly

Invasive species information:
USDA

SLF management or to report a sighting:
PDA
https://services.agriculture.pa.gov/SLFReport/

Penn State Extension
https://extension.psu.edu/spotted-lanternfly, “search” spotted lanternfly permit
1-888-422-3359
PA Dept. of Agriculture Regional Offices

**Compliance Agreements:**
- For information and questions regarding compliance agreements related to SLF, please contact your Pennsylvania Department of Agriculture Regional Office and speak with the Bureau of Plant Industry Supervisor.

**Region 1:** Clarion, Crawford, Elk, Erie, Forest, Jefferson, McLean, Mercer, Venango, and Warren
  - Lisa K. Candelore Phone: (814) 332-6890

**Region 2:** Cameron, Clinton, Columbia, Lycoming, Northumberland, Montour, Potter, Snyder, Tioga, and Union
  - Jay P. Bagley Phone: (570) 433-2640 ext. 206

**Region 3:** Bradford, Carbon, Lackawanna, Luzerne, Monroe, Pike, Sullivan, Susquehanna, Wayne, and Wyoming
  - Richard J. Malak Phone: (570) 836-2181 ext. 111

**Region 4:** Allegheny, Armstrong, Beaver, Butler, Fayette, Greene, Indiana, Lawrence, Washington, and Westmoreland
  - Lisa K. Candelore Phone: (724) 832-1073 ext. 125

**Region 5:** Bedford, Blair, Cambria, Centre, Clearfield, Fulton, Huntington, Juniata, Mifflin, and Somerset
  - Kate Zeigler Phone: (717) 736-3657, inspectors: Ryan Weston (717)319-2341, Nathan Delp (717) 903-3521

**Region 6:** Adams, Cumberland, Dauphin, Franklin, Lebanon, Lancaster, Perry, and York
  - Chris Strickler Phone: (717) 772-5206

**Region 7:** Berks, Bucks, Chester, Delaware, Lehigh, Montgomery, Northampton, Philadelphia, and Schuylkill
  - Emily Fricke Phone: (610) 489-1003 ext. 108
Contact information

• Karen Najda
• PDA Plant Inspector
• knajda@pa.gov
• 717-319-5493

If you need more information please contact me or the plant inspector for your area.

Thank you. Questions?