



pennsylvania
DEPARTMENT OF AGRICULTURE

Spotted Lanternfly Best Management Practices For Nurseries



Spotted Lanternfly Prevention For Nurseries without Spotted Lanternfly and Not in a Quarantine Area

Spotted lanternfly is an invasive and destructive pest that threatens Pennsylvania's agricultural commodities and trade, has a healthy appetite for our plants, and can be a significant nuisance to our quality of life and enjoyment of the outdoors. Preventing introduction is the most critical step you can take. Talk to your suppliers about how they are preventing the movement of spotted lanternfly.

Preparing for Incoming Plant Material

- Find out or ask your supplier if they are in an area with established spotted lanternfly.
 - o Utilize the [Spotted Lanternfly Quarantine Map](#) for details of quarantined counties across the United States.
- Ask your supplier if they have a permit to transport plants out of the quarantine area. If you are doing the transporting, you will need training and a permit. Learn more about the [permit program here](#).
- Ask your supplier, if they are outside of Pennsylvania, if they have a compliance agreement to export nursery stock from the quarantine area.
- If you utilize a broker, ask if they use companies which are aware of spotted lanternfly and have permits.
- Ask about their spotted lanternfly inspection and management program.
- Ask how they train their staff to find and destroy living life stages and egg masses.

Upon Arrival of Plant Material

- Identify a spotted lanternfly nursery stock inspection area to keep newly arrived plants from a quarantine area separate from the rest of your stock.
- Train your staff to identify life stages and to know the seasonality of spotted lanternfly.
- Inspect plants from spotted lanternfly quarantine areas prior to offering them for sale and before they are intermingled with other plants.

If Spotted Lanternfly are Discovered During Arrival Inspection

- If you discover any life stage of spotted lanternfly during inspection, you have the right to reject delivery and have it returned to shipper.
- If living life stages of spotted lanternfly are discovered, immediately cover or enclose the product(s) to prevent escape and spread.
- Immediately notify your PA Department of Agriculture Regional Plant Inspector or Regional Office that you found spotted lanternfly on the nursery stock. Timing is critical.
- Take a photo of the spotted lanternfly so confirmation can be made by your PA Department of Agriculture Regional Plant Inspector.
- Maintain customer and supplier information.

Spotted Lanternfly Management For Nurseries with Spotted Lanternfly or in a Quarantine Area

If spotted lanternfly is present at your nursery, control and mitigation of the pest to prevent spread is essential. If your nursery is in a county that has been quarantined, your nursery is required to obtain a spotted lanternfly permit. Working with PA Department of Agriculture Inspectors and Penn State Extension staff can help you determine the best control methods for your nursery.

Inspect

- Incorporate spotted lanternfly inspections into existing plant health checks and watering schedules to aid in minimizing the impact of inspections on the work day.
- All nursery stock must be inspected for spotted lanternfly prior to sale.
- All nursery stock must be inspected for spotted lanternfly prior to shipment.

Control Options

Control of spotted lanternfly will be determined by the size of the infestation and methods nurseries are most comfortable implementing. Control can include any combination of the following methods: **Squish and Scrape** living life stages and egg masses; utilize **Circle Traps** to capture and kill spotted lanternfly; apply **Contact Insecticides** to mitigate living populations.

More information on control and management for spotted lanternfly, including guides and product research, is available through [Penn State Extension](#).

Shipping within or from the Spotted Lanternfly Quarantine

To prevent the spread of spotted lanternfly, products must be inspected and all living life stages removed and destroyed prior to loading and shipping. In addition to the permit, if your nursery ships products to other states, your nursery is required to obtain a compliance agreement. Visit the PA Department of Agriculture [Spotted Lanternfly Quarantine](#) website to learn more.

- All nursery stock must be inspected for spotted lanternfly prior to loading and shipment.
- Identify a location in the shipping area away from other nursery stock where there is plenty of space to inspect each plant prior to loading.
- If you are actively treating for adult spotted lanternfly, ensure you safeguard prior to loading, either by treating in an enclosed area or utilizing shade cloth to prevent re-introduction.
- If spotted lanternfly is active, load trucks early in the morning or late in the evening when activity is at the lowest.
- Leaving dead spotted lanternfly and/or old egg masses on items may cause your customers to think you have delivered infested items to them. Removing all life stages, dead or alive, will help you maintain good customer relations.
- Obtaining and informing customers and trade partners of your spotted lanternfly permit and compliance agreements shows your commitment to preventing the spread of spotted lanternfly.
- Inform your customers of all preventative work you do to keep spotted lanternfly from spreading.
- Communicate with your PA Department of Agriculture Regional Plant Inspector or Penn State Extension office to keep up to date on spotted lanternfly news and research.

Spotted Lanternfly Links

PA Department of Agriculture

Plant Merchant Information and Certification:

https://www.agriculture.pa.gov/Plants_Land_Water/PlantIndustry/plant-health/PlantMerchant/Pages/default.aspx

Spotted Lanternfly:

https://www.agriculture.pa.gov/Plants_Land_Water/PlantIndustry/Entomology/spotted_lanternfly/Pages/default.aspx

Spotted Lanternfly Quarantine and Permit:

https://www.agriculture.pa.gov/Plants_Land_Water/PlantIndustry/Entomology/spotted_lanternfly/quarantine/Pages/default.aspx

Spotted Lanternfly Mid-Atlantic Quarantine Map:

https://www.agriculture.pa.gov/Plants_Land_Water/PlantIndustry/Entomology/spotted_lanternfly/quarantine/Documents/2022%20Mid%20Atlantic%20Map_2-1-22.pdf

Penn State Extension

Spotted Lanternfly: <https://extension.psu.edu/spotted-lanternfly>

Spotted Lanternfly Management Resources: <https://extension.psu.edu/spotted-lanternfly-management-resources>

Spotted Lanternfly Reporting: <https://extension.psu.edu/have-you-seen-a-spotted-lanternfly>