Spotted Lanternfly

Spotted lanternfly is an invasive plant hopper native to Southeastern Asia. It was first detected in Berks County, PA in 2014. It has since spread to other states, including New York. It is primarily spread through human activity (e.g. vehicles, movement of infested goods). Newly laid eggs (photo A) appear as a smooth shiny gray mass, about an inch in length, older eggs appear brown and may look similar to mud (D). The first three nymph stages (B, bottom) are 1/4 inch in size, black with white spots, final nymph stage, is red-orange with white spots (B, top). Adults (C) are one inch with gray brown wings that are covered in black spots.

Ecological and Economic Impacts:
SLF poses a serious threat to agriculture and forest crops, including apples, grapes, hops, maple, and black walnut. SLF feeds in groups and it is this feeding behavior that weaken plants, making them vulnerable to disease, attacks from other insects and winter injury.

Control Strategies:
A full list of products for use against spotted lanternfly can be found at https://nysipm.cornell.edu/environment/invasive-species-exotic-pests/spotted-lanternfly/insecticides-use-spotted-lanternfly/. The USDA is investigating potential biological controls.

The Role of Volunteers and the General Public in Detection and Reporting:
Learn how to identify spotted lanternfly; snap a photo of your find.

If seen in NYS, email that photo to spottedlanternfly@agriculture.ny.gov include the location (street address, landmarks, intersecting roads or GPS.) Or you can fill out a report on the Department of Agriculture and Markets Website: Agriculture.NY.gov/spottedlanternfly/#take-action

Cornell Cooperative Extension Ulster County is committed to working with our partners in Ag & Markets, NYS IPM, and the Lower Hudson PRISM to spread the word about SLF. Feel free to contact us with questions regarding SLF.

Online Resources:
- StopSLF.org
- LHPrism.org/Species/Lycorma-delicatula
- Ulster.CCE.Cornell.edu/SLF

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