

Spotted Lanternfly - See the Signs



Nymph Stage

1st instar - April to June
2nd & 3rd - June to July
4th instar - July to Sept (red)



Adult Stage

July – December



Egg Masses

September to April
(unhatched)



Staghorn Sumac

Rhus typhina

- Toothed leaf edge
- Upright red, fuzzy fruit
- Twigs are fuzzy
- Smooth bark
- Horizontal lenticels on bark
- Grows in clonal colonies



Tree of Heaven

Ailanthus altissima

- Primary host
- Smooth leaf edge
- 1-2 teeth at leaf base
- Strong odor (burnt peanut butter)
- V or heart-shaped leaf scar
- No terminal bud
- Papery seed
- Light gray/brown bark
- cantaloupe bark pattern



Black Walnut

Juglans nigra

- Toothed leaf edge
- Large round fruit
- "Monkey-faced" leaf scar
- Chambered dark pith
- dark, rough diamond pattern bark

2019 SLF Pesticide Recommendations for Homeowners

Active ingredient	Mode of exposure	Available products	Legal use	Activity against SLF	Residual activity
bifenthrin	contact	Talstar P	Ornamental and landscape plants and trees	Excellent	Excellent
carbaryl	contact	Garden Tech Sevin Ready-to-Spray Bug Killer (note: new formulation is sold with the active ingredient zetacypermethrin)	Vegetable and ornamental plants and trees under 10 ft tall	Excellent	Good
dinotefuran	systemic/contact	Safari, Transtect	Ornamental and landscape plants and trees	Excellent	Excellent
malathion	contact	Spectracide Malathion Insect Spray	For use on flowers and bushes, fruit, and vegetables	Excellent	Poor
Neem oil*	contact	Bonide Neem Oil	Flowers, ornamental trees and shrubs, fruit, nuts and vegetables.	Good	Poor
Natural pyrethrins	contact	Garden Safe MultiPurpose Garden Insect Killer, Natria Insect Mite and Disease Control	Vegetables, ornamentals, trees, shrubs and flowers	Good	Poor
Insecticidal soaps*	contact	Garden Safe Insecticidal Soap	Vegetables, fruit trees, ornamentals, shrubs. flowers and gardens.	Good	Poor
spinosad*	systemic	Bonide Captain Jack's Deadbug Brew	Outdoor ornamentals, fruit and vegetables.	Good	Poor
tau fluvalinate, tebuconazole	contact/systemic	BioAdvance 3 in 1, Insect, Disease and Mite control	Non-edible plants only, ground covers, vines, ornamentals, shrubs and trees	Excellent	Good
Zetacypermethrin	contact	Amdro Quick Kill Outdoor Insect Killer Concentrate	Lawns, trees and shrubs, roses and flowers.	Excellent	Excellent