

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

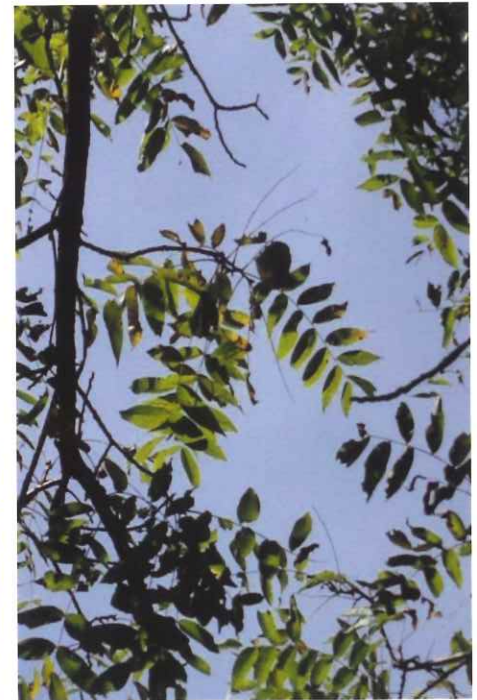
- Toothed leaf edge
- Upright red, fuzzy fruit
- Twigs are fuzzy
- Smooth bark
- Horizontal lenticels on bark
- Grows in clonal colonies



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

Spotted lanternfly (SLF) Life Stages, Where to Look, and Management



LIFE STAGES

Egg Masses
 Instars 1-3 (Black nymphs)
 Instar 4 – (Red nymphs)
 Adults

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Egg Masses	█									█		
Instars 1-3 (Black nymphs)				█								
Instar 4 – (Red nymphs)						█						
Adults								█				

Note: There is considerable overlap between the different life stages of SLF. Egg masses also take on multiple appearances, covered **and** non-covered masses should be removed.

Photos: Steven Rettke and Timothy Waller – Rutgers Cooperative Extension

WHERE TO LOOK

Tender Plants / New Growth
 Woody Plants
 Hard Surfaces

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Tender Plants / New Growth				█								
Woody Plants						█						
Hard Surfaces	█									█		

Favorite tender plants and new growth: Roses, grapes, herbaceous weeds, flowers, shrubs, and new growth of other favorites. **Favorite woody plants:** Tree of heaven, black walnut, birch, willow, sumac, red and silver maple. **Common hard surfaces:** Pallets, stone features, buildings, telephone poles, fences, stationary vehicles, etc.

MANAGEMENT

Scrape Egg Masses
 Squish or Stomp
 Sticky-bands or Circle-traps
 Contact Pesticides* – last resort

	JAN	FEB	MAR	APR	MAY	JUN	JUL	AUG	SEP	OCT	NOV	DEC
Scrape Egg Masses	█									█		
Squish or Stomp				█								
Sticky-bands or Circle-traps				█								
Contact Pesticides* – last resort				█								

*** DO NOT SPRAY PLANTS DURING THEIR BLOOM PERIOD. Contact materials:** Insecticidal soaps, Natural pyrethrins, Carbaryl, Neem oil (formulations vary greatly), Zeta-cypermethrin, Synthetic pyrethroids (bifenthrin, deltamethrin), Malathion. **ALWAYS REFER TO THE LABEL OF ALL MATERIALS, THE LABEL IS THE LAW.**

Compiled by Rutgers - Nursery and Green Industry Working Group
 (as of 4/17/23)