



Modeling Spotted Lantern Fly (SLF) Distribution and Estimated Species Expansion on USMA.

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SPOTTED LANTERNFLY



Actual size: 1" Adult (wings closed) can be found in July–December



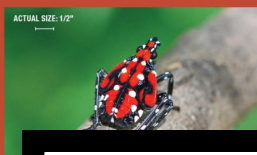
Actual size: 1/8–1/4" Nymph (early stage) can be found late April–July



Actual size: 4.5" Egg mass (fresh) can be found September–June



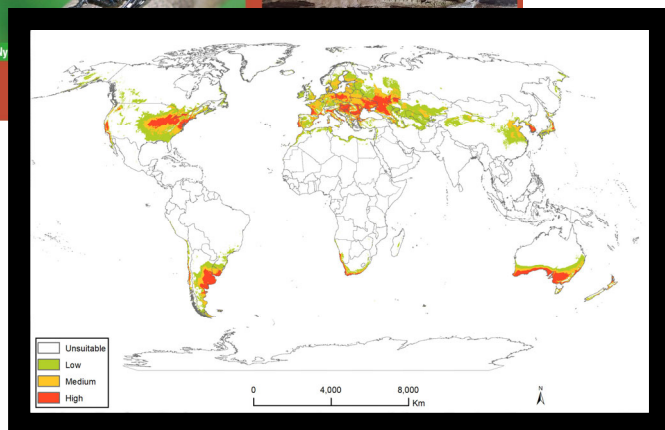
Actual size: 1.5" Adult (wings open) can be found July–December



Actual size: 1/2" Nymph (late stage) can be found August–October



Actual size: 1.5" Egg mass (dried) can be found September–June



- SLF population has been rapidly increasing in recent years. It has recently been identified as a potential source of environmental degradation and negative economic impacts across the United States, although the full extent of these effects remains uncertain.
- Cadets establish a methodology for surveying nymphs and adult Spotted Lanternflies, predicting future outbreaks, and modeling spatial distribution.
- Focus on West Point and Black Rock forests
- Help inform the West Point arborists
 - USDA, and National Forest Service also interested in this data
- Opportunities to connect research with ERDC AIAD.
- Plenty of options, must be self-motivated! Looking for a team of 3-6 Cadets