



USDA-ARS AFRS SLF Activities and Objectives



Appalachian Fruit Research Station, Kearneysville, WV

Activities To Date

- Surveys/searching for SLF in WV and MD at sites that have idling trains or main shipping/distribution corridors.
- Working with USDA-ARS personnel at Fort Detrick, Frederick, MD to secure quarantine greenhouse space.
- Growing plants and acquiring supplies for quarantine work once permit is approved.
- Working with collaborators at PSU, VT, Forest Service and APHIS on planning and approach

SLF Objectives/Research Interests

1. Acquisition of quarantine space and development of a sustained SLF colony.
2. SLF Damage to Fruit and Forest Trees.
3. SLF Development and Survivorship on Fruit and Forest Trees.
4. Baseline Dispersal Capacity of SLF Adults and Nymphs.
5. Insecticide Bioassays Against SLF Adults and Nymphs.
6. Translation of SLF Asian Literature and review article.
7. Assisting with trap and lure development for biosurveillance and monitoring.
8. Behavioral observations under field/semi-field conditions associated with dispersal, host finding, mating, etc.

