

**2017 Final Report-Apple/Grape Commodity Survey for VT Agency of Ag, Food and Markets
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Grape Commodity Survey

Traps were placed at 10 sites in 7 counties, one trap per site, for each of the five arthropod pests:

- Silver Y Moth (*Autographa gamma*)
- Light Brown Apple Moth (*Epiphyas postvittana*)
- European grape vine moth (*Lobesia botrana*)
- False codling moth (*Thaumatotibia leucotreta*)
- Honeydew moth (*Cryptoblabes gnidiella*)

Counties included Chittenden (UVM Horticultural Research Center, Shelburne Vineyards and Shelburne Orchards), Addison (Lincoln Peak Winery), Grand Isle (Snow Farm Vineyard), Washington (Fresh Tracks Farm), Lamoille (Boyden Valley Winery), Franklin (Judy St. Hilaire), Windham (Grubinger) and Orange (Hayden Vineyard)

Appropriate traps for each pest were set out and brought back to the UVM Plant Diagnostic Clinic to be examined on a 14 day schedule from June through September, 2017. Lures were changed at appropriate times as dictated by pest and trap.

All survey activity followed the approved methods and survey guidelines presented in the CAPS-approved methods for survey and identification/diagnostics of 2017 CAPS target pests from the Priority Pest List if available.

RESULTS: None of the pests listed were found at any of the 10 sites in 7 counties on any date. Nine suspect moths were sent to the USDA PPQ identifier Julietta Brambila in Gainesville, FL: five moths were collected on 7/9 at Shelburne Orchards; three moths were collected on 7/9 at Snow Farm Vineyard and one moth was collected on 8/6 at Boyden Valley Winery. The suspect moths were identified as *Autographa californica* and *Anagrapha falcifera*.

Apple Commodity Survey

Traps were set at 10 sites in 7 counties, one trap per site for each of the five arthropod pests:

- Variegated Golden Tortrix Moth (*Archips xylosteanus*)
- Cherry Bark Tortrix (*Enarmonia formosana*)
- Light Brown Apple Moth (*Epiphyas postvittana*)
- Summer Fruit Tortrix Moth (*Adoxophyes orana*)
- Pear Leaf Blister Moth (*Leucoptera malifoliella*)

Counties included Chittenden (Hazelrigg Orchard, HREC, and Shelburne Orchards), Addison (Boire Orchard), Grand Isle (Allenhalm Orchard, Hackett’s Orchard), Washington (Peck Orchard), Orange (Liberty Orchard), Lamoille (Hayden) and Windham (Grubinger).

Appropriate traps for each pest were set out and brought back to the UVM Plant Diagnostic Clinic to be examined on a 14 day schedule from June through September, 2017. Lures were changed at appropriate times as dictated by pest and trap.

All survey activity followed the approved methods and survey guidelines presented in the CAPS-approved methods for survey and identification/diagnostics of 2017 CAPS target pests from the Priority Pest List if available.

RESULTS: None of the pests listed were found at any of the 10 sites in 7 counties on any date.

Orchards and vineyards surveyed, summer 2017

Apple Orchards		Grape Vineyards	
Orchard Name	VT County	Vineyard Name	VT County
Shelburne Orchards	Chittenden	Boyden Valley Winery	Lamoille
UVM HREC	Chittenden	Snow Farm Vineyard	Grand Isle
Hazelrigg Orchard	Chittenden	Fresh Tracks Farms	Washington
Hayden Orchard	Lamoille	Lincoln Peak Winery	Addison
Hackett’s Orchard	Grand Isle	Shelburne Vineyard	Chittenden
Allenhalm Orchard	Grand Isle	Shelburne Orchard	Chittenden
Boire Orchard	Addison	UVM HREC	Chittenden
Peck Orchard	Washington	Judy St. Hilaire	Franklin
Liberty Orchard	Orange	Grubinger Farm	Windham
Grubinger Farm	Windham	Hayden Vineyard	Lamoille

Sites (coordinates and address)

1. Allenholm Orchard (44.644245, -73.302394) 11 South St, South Hero, VT 05486
2. Boyden Valley Winery (44.6474, -72.8892) 64 VT-104, Cambridge, VT 05444
3. Hayden Orchard (44.427025, -73.155122) 3054 Hinesburg Road, S. Burlington, Vermont, 05403
4. Hazelrigg Orchard (44.432057, -73.123497) 206 Walker Hill Road, Williston, VT 05495
5. Fresh Tracks Farm Vineyard & Winery (44.2282, -72.6180) 4373 VT-12, Montpelier, VT 05602
6. Hackett's Orchard (44.6344, -73.3029) 86 South St, South Hero, VT 05486
7. Lincoln Peak Winery (44.0557, -73.1646) 142 River Rd, New Haven, VT 05472
8. Shelburne Orchards (44.3519, -73.2660) 216 Orchard Rd, Shelburne, VT 05482
9. Shelburne Vineyard (44.3664, -73.2339) 6308 Shelburne Rd, Shelburne, VT 05482 (2 sites)
10. UVM HREC (44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403
11. Peck Orchard (44.3108, -72.501182) 750 Sibley Rd, East Montpelier, VT 05651
12. Boire Orchard (43.5141, -73.1818) 241 Brown Rd, Shoreham VT, 05770
13. Liberty Orchard (44.0394, -72.5993) 2622 VT-65, Brookfield, VT 05036
15. Grubinger Farm (42.57, -72.36), 438 Hague Rd, Dummerston, VT 05301
16. St. Hilaire Winery (44.7613, -73.1138) 306 Horseshoe Barn Rd, Georgia, VT 05478
17. Snow Farm Vineyard (44.62680, -73.3330) 190 W Shore Rd, South Hero, VT 05486

Survey dates (traps set and/or collected)

Traps replaced every two weeks at each site (orchard or vineyard) from June through September, 2017. All traps were set out the first week of June and changed every 14 days; 6/11, 6/25, 7/09, 7/27, 8/06, 8/21, 9/03 and 9/17.

Lures were replaced according to protocol for efficacy period (website for Pest Tracker; pest.ceris.purdue.edu)

2017 Apple Commodity Survey

Survey	Scientific Name	Common Name	Trap Type	IPHIS Product ID	# of Traps	Lure Type	# Liners	# Lures
Apple Commodity Survey	<i>Archips xylosteanus</i>	Variegated Golden Tortrix Moth	Wing trap (plastic)	27	20	<i>A. xylosteanus</i> rubber septum	80	40
	<i>Enarmonia formosana</i>	Cherry Bark Tortrix Moth	Paper delta (2 sticky sides, green)	110	90	<i>E. formosana</i> rubber septum	NA	40
	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	Jackson trap body	5	15	<i>E. postvittana</i> rubber septum	80	30
	<i>Adoxophyes orana</i>	Summer Fruit Tortrix Moth	Paper delta trap (2 sticky sides, brown)	110	90	<i>A. orana</i> rubber septum	NA	20
	<i>Leucoptera malifoliella</i>	Pear Leaf Blister Moth	Large delta trap (plastic, white)	103	15	<i>L. matifoliella</i> rubber septum	90	20

10 sites, 7 counties

2017 Grape Commodity Survey

Survey	Scientific Name	Common Name	Trap Type	IPHIS Product ID	# of Traps	Lure Type	# Liners	# Lures
Grape Commodity Survey	<i>Autographa gamma</i>	Silver Y Moth	Bucket trap (plastic)	18	10	<i>A. gamma</i> rubber septum	NA	40
	<i>Epiphyas postvittana</i>	Light Brown Apple Moth	Jackson trap body	5	15	<i>E. postvittana</i> rubber septum	80	30
	<i>Lobesia botrana</i>	European Grape Vine Moth	Paper delta trap (2 sticky sides, orange)	109	90	<i>L. botrana</i> rubber septum	NA	40
	<i>Thaumatotibia leucotreta</i>	False Codling Moth	Large plastic delta trap (red)	102	15	<i>T. leucotreta</i> rubber septum	90	30
	<i>Cryptoblabes gnidiella</i>	Honeydew Moth	Wing trap (plastic)	27	20	<i>C. gnidiella</i> rubber septum	80	30

10 sites, 7 counties

