



Vermont Fruit Pest Detection Survey: Accomplishment Report FY 2022

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HONEYDEW MOTH

Cryptoblabes gnidiella

<https://sedq.es/en/insecto/polilla-del-naranja-barreneta/>

UVM conducted an exotic pest trapping survey at 14 fruit farms (6 apple orchards, 3 stone fruit orchards and 5 grape vineyards) totaling 59 traps in 2022. Apple and grape targeted four species with specific trap types (see below) and pest specific lure combinations used to monitor for these insects. Cherry targeted 5 species with specific trap types (see below) and pest specific lure combinations used to monitor for these insects a total of 59 traps at different locations depending on crop were set for the survey beginning in June and continuing every 2 weeks totaling 7 trap changes with the changing of lures at CAPS approved intervals. Taxonomic identification was performed in the Plant Diagnostic Clinic after each collection. The director of the plant diagnostic clinic supervised the survey. **No target pests were found on any of the traps at any site or date.**

Apple-Four pests were surveyed in 6 apple orchards in 6 counties, 1 trap for each pest at each orchard = 4 apple pest traps total x 6 orchards= 24 traps

Survey Methodology/Pests

Apple Pest Scientific Name	Common Name	Method	Start	End
<i>Adoxophyes orana</i>	Summer fruit Tortrix moth	Paper Delta Trap - 2 sticky sides - Brown	2022-06-01	2022-09-30
<i>Cryptoblabes gnidiella</i>	Christmas berry webworm	Plastic Bucket Trap	2022-06-01	2022-09-30
<i>Epiphyas postvittana</i>	Light brown apple moth	Jackson Trap Body	2022-06-01	2022-09-30
<i>Lobesia botrana</i>	European grapevine moth	Paper Delta Trap - 2 sticky sides - Green	2022-06-01	2022-09-30

Farms and Locations

Apple County-6	Farm and location	Longitude/Latitude
Addison	Last Resort Farm	44.2667, -73.1016) 2246 Tyler Bridge Road, Monkton, VT 05443
Chittenden	Horticulture Research Center	(44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403
Franklin	West Swanton Orchard	(44.9946, -73.2004) North River St, Swanton, VT 05488
Grand Isle	Hackett Orchard	(44.6344, -73.3029) 86 South St, South Hero, VT 05486
Orange	Lucky Bugger Vineyard	(43.9389, -72.6448) 255 Harlow Hill Road, Randolph, VT 05060
Washington	Peck Orchard	(44.3108, -72.5011) 750 Sibley Road, East Montpelier, VT 05651

Grape-Four pests were surveyed in 5 vineyards in 5 counties, 1 trap for each pest at each vineyard = 4 X 5 = 20 traps

Survey Methodology/Pests

Grape Pest Scientific Name	Common Name	Method	Start	End
<i>Adoxophyes orana</i>	Summer fruit Tortrix moth	Paper Delta Trap - 2 sticky sides - Brown	2022-06-01	2022-09-30
<i>Cryptoblabes gnidiella</i>	Christmas berry webworm	Plastic Bucket Trap	2022-06-01	2022-09-30
<i>Epiphyas postvittana</i>	Light brown apple moth	Jackson Trap Body	2022-06-01	2022-09-30
<i>Lobesia botrana</i>	European grapevine moth	Paper Delta Trap - 2 sticky sides - Green	2022-06-01	2022-09-30

Farms and Locations

Grape County-5	Vineyard-5	Longitude/Latitude
Addison	Last Resort Farm	44.2667, -73.1016) 2246 Tyler Bridge Road, Monkton, VT 05443
Chittenden	Hort. Research Center	(44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403
Grand Isle	Snowfarm Vineyard	(44.6276, -73.3332) 190 W Shore Road, South Hero, VT 05486
Lamoille	Boyden Vineyard	(44.6479, -72.8888) 64 VT-104, Cambridge, VT 05444
Orange	Lucky Bugger Vineyard	(43.9389, -72.6448) 255 Harlow Hill Road, Randolph, VT 05060

Cherry-Five pests were surveyed at 3 stone fruit orchards (cherry) in 3 counties, 1 trap for each pest at each orchard = 5 X 3 = 15 traps.

Survey Methodology/Pests

Cherry Pest Scientific Name	Common Name	Method	Start	End
<i>Adoxophyes orana</i>	Summer fruit Tortrix moth	Paper Delta Trap - 2 sticky sides - Brown	2022-06-01	2022-09-30
<i>Cryptoblabes gnidiella</i>	Christmas berry webworm	Plastic Bucket Trap	2022-06-01	2022-09-30
<i>Epiphyas postvittana</i>	Light brown apple moth	Jackson Trap Body	2022-06-01	2022-09-30
<i>Lobesia botrana</i>	European grapevine moth	Paper Delta Trap - 2 sticky sides - Green	2022-06-01	2022-09-30
<i>Rhagoletis cerasi</i>	European cherry fruit fly	Sticky Card - Yellow - Baited	2022-06-01	2022-09-30

Farms and Locations

Cherry County-3	Cherry orchards - 3	Longitude/Latitude
Addison	Last Resort Farm	44.2667, -73.1016) 2246 Tyler Bridge Road, Monkton, VT 05443
Chittenden	Horticulture Research Center	(44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403
Grand Isle	Hackett Orchard	(44.6344, -73.3029) 86 South St, South Hero, VT 05486

Database Submissions:

(Pending) Pest Detection/CAPS survey data entered into the National Agricultural Pest Information System (NAPIS) by VAAFM