

Vegetable Pest Detection Survey Accomplishment Report 2022

Ann Hazelrigg, Ph.D., UVM Extension



Dorsal view of an adult male light brown apple moth, *Epiphyas postvittana* (Walker).
Photograph by Natasha Wright, Florida Department of Agriculture and Consumer Services; Bugwood.org.

UVM conducted an exotic pest trapping survey at 10 vegetable farms in six counties in 2022 (Chittenden, Addison, Grand Isle, Franklin, Washington and Windsor) to target five species with specific trap types (see below) and pest specific lure combinations used to monitor for these insects. A total of 50 traps at 10 different locations 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** on any date. All survey activity followed the approved methods and survey guidelines for pest surveillance recommended in the CAPS Pest Datasheet (<https://pest.ceris.purdue.edu/>).

Farms and Locations

County-6	Farms and location-10	Longitude/Latitude Address
Addison	Last Resort Farm	(44.2668, -73.1016) 2246 Tyler Bridge Road, Monkton, VT 05443
Chittenden	Horticulture Research Center Site 1	(44.4322,-73.1991) 65 Green Mountain Drive, S. Burlington, VT 05403
Chittenden	Horticulture Research Center Site 2	(44.4316,-73.2059) 65 Green Mountain Drive, S. Burlington, VT 05403
Chittenden	Intervale Farm	(44.4965, -73.2054) 282 Intervale Road, Burlington, VT 05401
Chittenden	Jericho Settlers Farm	(44.4645,-72.9782) 22 Barber Farm Road, Jericho, VT 05465
Franklin	Hudak Farm	(44.8491,- 73.0884) 599 St Albans Road, Swanton, VT 05488

Grand Isle	Pomykala Farm	(44.7488,-73.2710) 197 E Shore North, Grand Isle, VT 05458
Washington	Halverson Farm	(44.2282,-72.6180) 131 White Rock Circle, East Montpelier, VT 05602
Washington	Dog River Farm	(44.2350, -72.5982) 5665 VT-12, Berlin, VT 05602
Windsor	Sweetland Farm	(43.8795, -72.2756) 742 VT-132, Norwich, VT 05055

Survey Methodology/Pests

Pest Scientific Name	Common Name	Method	Start	End
<i>Autographa gamma</i>	Silver Y moth	Plastic Bucket Trap	2022-06-01	2022-09-30
<i>Chrysodeixis chalcites</i>	Golden twin spot moth	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>Helicoverpa armigera</i>	Old World bollworm	Plastic Bucket Trap	2022-06-01	2022-09-30
<i>Spodoptera litura</i>	Cotton cutworm	Plastic Bucket Trap	2022-06-01	2022-09-30

Database Submissions:

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

Issued in furtherance of Cooperative Extension work, Acts of May 8 and June 30, 1914, in cooperation with the United States Department of Agriculture. University of Vermont Extension, Burlington, Vermont. University of Vermont Extension, and U.S. Department of Agriculture, cooperating, offer education and employment to everyone without regard to race, color, national origin, gender, religion, age, disability, political beliefs, sexual orientation, and marital or familial status. Any reference to commercial products, trade names, or brand names is for information only, and no endorsement or approval is intended. 1/2023