

2020 Final Report - Tomato Commodity Survey for VT Agency of Ag, Food and Markets

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TOMATO COMMODITY SURVEY

Conduct moth trapping surveys at 10 sites in 7 counties, one trap per site for each of the five arthropod pests species listed below:

- Silver Y Moth (*Autographa gamma*)
- Egyptian Cottonworm (*Spodoptera littoralis*)
- Old World Bollworm (*Helicoverpa armigera*)
- Golden Twin Spot Moth (*Chrysodeixis chalcites*)
- Light Brown Apple Moth (*Epiphyas postvittana*)

Counties included: Addison, Chittenden, Franklin, Grand Isle, Orange, Orleans and Washington.

Scouts included: Scott Lewins, Beret Halverson, Sarah Kingsley-Richards and Ann Hazelrigg

Specific 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, 2020. Lures were changed at appropriate times as dictated by pest and trap. All survey activity followed the approved method and survey guidelines for pest surveillance in the CAPS Pest Datasheet (<https://pest.ceris.purdue.edu/>).

Results: None of the pests listed were found at any of the 10 sites in 7 counties on any date (greenhouse or field tomatoes).

Tomato farms surveyed, summer 2020

Tomato	
Farm Name	VT County
Shumway Farm	Chittenden
Full Belly Farm	Addison
Halverson Farm	Washington
Hazelrigg Orchard/Farm	Chittenden
Hudak Farm	Franklin
Bear Roots Farm	Orange
Jericho Settlers Farm	Chittenden
Pomykala Farm	Grand Isle
Pete's Greens	Orleans
UVM HRC	Chittenden

Sites (coordinates and address)

1. Shumway Farm (44.39055, -73.13508) 763 Leavensworth Road, Hinesburg, VT 05461
2. Full Belly Farm (44.265310, -73.133166) 686 Davis Road, Monkton, VT 05461
3. Halverson Farm (44.2282, -72.6180) 138 White Rock Drive, Montpelier, VT 05602
4. Hazelrigg Farm (44.432057, -73.123497) 206 Walker Hill Road, Williston, VT 05495
5. Hudak Farm (44.8491, - 73.0884) 599 St Albans Road, Swanton, VT 05488
6. Bear Roots Farm (44.24162, -72.53528) 903 US RT 2 Middlesex, VT 05602
7. Jericho Settlers Farm (44.4645, -72.9782) 22 Barber Farm Road, Jericho, VT 05465
8. Pomykala Farm (44.7474, -73.2710) 197 E Shore North, Grand Isle, VT 05458
9. Pete's Greens (44.63374, -72.36975) 266 S. Craftsbury Road, Craftsbury, VT 05826
10. UVM HRC (44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403

Survey dates (traps set and/or collected)

Traps replaced every two weeks at each site (field or farm) from mid-June through September 2020. Lures were replaced according to protocol for efficacy period.