

2020 Final Report - Corn and Soybean Commodity Survey for VT Agency of Ag, Food and Markets
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CORN and SOYBEAN COMMODITY SURVEY

Conduct moth trapping surveys at 10 sites in 7 counties for corn and 10 sites and 5 counties for soybean, one trap per site for each of the arthropod pest species listed below. Specific traps for each pest were set out and brought back to the UVM Plant Diagnostic Clinic to be examined on an approximate 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 methods and survey guidelines for pest surveillance in the CAPS Pest Datasheet (<https://pest.ceris.purdue.edu/>).

CORN

Corn counties included: Addison, Caledonia, Chittenden, Franklin, Grand Isle, Orange and Windsor

Corn scouts included: Scott Lewins, Kirsten Workman, Laura Johnson, Sarah Kingsley-Richards and Ann Hazelrigg

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

Corn farms surveyed, summer 2020

Corn-10 Farms, 7 counties	
Farm Name	VT County
Border View	Grand Isle
Hudak Farm	Franklin
Pomykala Farm	Grand Isle
Full Belly Farm	Addison
North Williston Cattle Co.	Chittenden
Lucky Hill Farm	Caledonia
UVM HRC	Chittenden
Birch Meadow Farm	Orange
Guillemette Farm	Chittenden
Doloff Acres	Windsor

Sites (coordinates and address)

Corn

1. Border View Farm (45.01135, -73.30711) 487 Line Rd, Alburg, VT 05440
2. Hudak Farm (44.8491, - 73.0884) 599 St Albans Road, Swanton, VT 05488
3. Pomykala Farm (44.7474, -73.2710) 197 E Shore North, Grand Isle, VT 05458
4. Full Belly Farm (44.26604, -73.13329) 686 Davis Rd, Hinesburg, VT 05461
5. No. Williston Cattle Co. (44.481351, -73.135624) 314 So. Street, Essex Junction, VT 05452
6. Lucky Hill Farm (44.466979, -72.115386) 845 McReynolds Road, Danville, VT 05828
7. UVM HREC (44.4307, -73.2043) 65 Green Mountain Drive, S. Burlington, VT 05403
8. Birch Meadow Farm (43.89739, -72.16236) 43 Birchmeadow Rd; Fairlee, Vermont 05045
9. Guillemette Farm (44.436259, -73.131160) Brownell Road, Williston, VT 05495
10. Doloff Acres (43.415440, -72.412845) 55 Sunnylegde Road Springfield, VT 05156

Soybean

Soybean counties included: Addison, Chittenden, Grand Isle, Rutland and Windsor

Soybean scouts included: Scott Lewins, Kirsten Workman, Laura Johnson and Ann Hazelrigg

Soybean results: None of the pests listed were found at any of the 10 sites in 5 counties on any date.

Soybean counties surveyed, summer 2020:

Soybean-10 farms, 5 counties	
Farm Name	VT County
Border View	Grand Isle
Layn Farm	Addison
North Williston Cattle Co.	Chittenden
Foster Brothers Farm	Addison
Four Hills Farm	Addison
Audy Farm	Addison

Van der Weert Farm	Chittenden
Guillemette Farm	Chittenden
Sweetland Farm	Windsor
Thomas Farm	Rutland

Sites (coordinates and address)

Soybean

1. Border View Farm (45.01135, -73.30711) 487 Line Rd, Alburg, VT 05440
2. Layn Farm (44.187858, -73.102537) 3204 Bristol Rd., Bristol, VT 05443
3. No. Williston Cattle Co. (44.481351, -73.135624) 314 So. Street, Essex Junction, VT 05452
4. Foster Brothers (43.984597, -73.120980) 58 Lower Foote St, Middlebury, VT 05753
5. Four Hills Farm (44.202708, -73.159909) 722 Burpee Rd, Bristol, VT 05443
6. Audy Farm (44.075324, -73.131720) 2287 River Road New Haven, VT 05472
7. Van De Weert Farm (44.285972, -73.204437) 3800 Route 7, North Ferrisburgh, VT
8. Guillemette Farm (44.436259, -73.131160) Brownell Road, Williston, VT 05495
9. Sweetland Farm (43.779366, -72.258438) 97 Kerwin Hill Road Norwich, Vermont 05055
10. Thomas Farm (44.187858, -73.102537) P.O. Box 519 Rutland, VT 05702

Scientific Name	Common Name	Method	Trap	Lure	Host/Habitat
<i>Autographa gamma</i>	Silver Y moth	Trap	Plastic Bucket Trap	<i>Autographa gamma</i>	Soybean & Corn
<i>Chrysodeixis chalcites</i>	Golden twin spot moth	Trap	Plastic Bucket Trap	<i>Chrysodeixis chalcites</i>	Soybean
<i>Helicoverpa armigera</i>	Old world bollworm	Trap	Plastic Bucket Trap	<i>Helicoverpa armigera</i>	Soybean & Corn
<i>Spodoptera littoralis</i>	Egyptian cottonworm	Trap	Plastic Bucket Trap	<i>Spodoptera littoralis</i>	Soybean
<i>Chilo partellus</i>	Spotted stem borer	Trap	Large Plastic Delta	<i>Chilo partellus</i>	Corn
<i>Laodelphax striatellus</i>	Small brown planthopper	Trap	Yellow sticky card	no lure	Corn
<i>Thaumatotibia leucotreta</i>	False coddling moth	Trap	Large Plastic Delta	<i>Thaumatotibia leucotreta</i>	Corn