

## Pest Detection / CAPS Infrastructure Accomplishment Report– FY2019

<b>Year:</b>	<b>2019</b>
<b>State:</b>	Connecticut
<b>Cooperative Agreement Name:</b>	Cooperative Agricultural Pest Survey
<b>Cooperative Agreement Number:</b>	USDA-APHIS-10025-PPQFO000-19-0020
<b>Project Funding Period:</b>	January 1 – December 31, 2019
<b>Project Report:</b>	<b>PD / CAPS Infrastructure Report</b>
<b>Project Document Date:</b>	3/31/20
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" type="checkbox"/>

## Pest Detection / CAPS Infrastructure Accomplishment Report – FY2019

- A. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful.
- *Committee Service:*
    - Katherine Dugas, SSC, maintained contact with the CT PPQ office and state CAPS committee.
    - Katherine Dugas, Dr. Victoria Smith, and Dr. Kirby Stafford ran the spring statewide CAPS committee meeting on June 17th. SSC prepared minutes of spring statewide CAPS committee meeting (9 attendees; see appendix). 2020 CAPS guidelines and 2019 CAPS surveys in Connecticut were discussed. In preparing this meeting, Katherine reviewed current CAPS AHP and commodity pest lists, GPDD and NAPPFAST to make recommendations to the state CAPS committee for 2020 survey pests.
    - Katherine Dugas began developing 2020 CAPS work plans based on feedback from SPRO and PSS discussions.
    - Based on feedback at the CAPS spring meeting and the need for further discussion on SLF between state agencies, Katherine Dugas scheduled two followup meetings: a Spotted Lanternfly Outreach and Response meeting that was held on August 1<sup>st</sup> and a SLF outreach conference call held on August 9th.
    - Katherine Dugas, Dr. Victoria Smith, and Dr. Kirby Stafford ran the fall statewide CAPS committee meeting on November 21st. SSC prepared minutes of fall statewide CAPS committee meeting (9 attendees; see appendix). The 2019 CAPS survey results and 2020 CAPS survey plans were discussed.
  - *Other Survey Work:*
    - Katherine Dugas prepared 2019 PPA workplans and budgets for a vineyard survey and Forest Pest Outreach Project as funding was approved.
    - Katherine Dugas ordered additional trapping supplies from IPHIS in March for the 2019 vineyard survey, as well as additional supplies for the CAPS survey that were unavailable during the fall 2018 CAPS survey supply order window.
    - Katherine Dugas submitted 3 suggestions during the July-August 2020 PPA open suggestion period: a *Phytophthora ramorum* survey, an orchard commodity survey, and a continuation of the Forest and Agricultural Pest Outreach Project.
    - Dr. Claire Rutledge submitted a suggestion for a *Cerceris* Biosurveillance Survey during the 2020 PPA open suggestion period.
    - In October, Katherine Dugas ordered traps and lures from IPHIS for the 2020 CAPS survey.
  - *Emergency Response Planning:*
    - 9 January: Katherine Dugas responded to a request for NAPIS database information on daylily leafminer, *Ophiomyia kwansonis*.

- 2 July: Katherine Dugas responded to a request for NAPIS database information on European crane fly, *Tipula paludosa*.
- 8 August: Katherine Dugas entered a new state record into NAPIS for the Leaf gall nematode, *Litylenchus crenatae*.
- 21 August: With Bob Marra, Dr. Vicki Smith coordinated a site visit to the newly-documented occurrence of beech leaf disease in Fairfield County. Individuals from the towns of Greenwich and Stamford, DEEP foresters, CAES, and the Durham (NH) Field Office of the US Forest Service participated.
- Networking:
  - 17 January 2019, 23<sup>rd</sup> and 24<sup>th</sup> January 2019: Katherine Dugas attended the CNLA and CTPA winter meetings, see full details below in Conferences.
  - 7 January: Katherine Dugas attended the UConn Extension Vegetable and Small Fruit Growers Conference.
  - 19 March: Katherine Dugas got in contact with Rebecca Eddy, of the CT Department of Agriculture, in order to disseminate information on spotted lanternfly to registered vineyards. A writeup on SLF was also published in the CT Weekly Ag Report on April 17<sup>th</sup>.
  - 19 June: Katherine Dugas attended the CT Grape Growers' Twilight Meeting, and distributed cards and fact sheets on spotted lanternfly to growers.
  - 17 and 18 July 2019: Katherine Dugas attended the CNLA and CTPA summer meetings, see full details below in Conferences.
- Outreach and Education:
  - Interviews (TV/Radio/Newspaper/Magazines):
    - 3 May: Dr. Kirby Stafford was interviewed about gypsy moth during a tour of gypsy moth damage in Pachaug State Forest. Other attendees included Congressman Joe Courtney and DEEP Director of Forestry Chris Martin.
    - 10 October: Dr. Vicki Smith was interviewed by Kaylee Pugliese of the Waterbury Republican American newspaper on the recent report of a spotted lanternfly in Southbury, CT.
    - 15 October: Dr. Vicki Smith was interviewed by Katrina Koerting of the Danbury News Times newspaper on the recent report of a spotted lanternfly in Southbury, CT.
  - Outreach materials (Pamphlets/ brochures/ posters):
    - Katherine Dugas updated the fact sheets for all CAPS 2019 target pests. These fact sheets were distributed to all survey participant nurseries and landowners via email, and physical copies were made available at the CNLA and CTPA winter meetings.
    - Katherine Dugas updated the CAPS outreach posters to include 2019 survey pests. These posters are on display at all CNLA and CTPA winter and summer meetings.
    - Katherine Dugas updated the fact sheets for all CAPS 2020 target pests. This was completed early so that they would be available for

the CACIWC meeting on November 23<sup>rd</sup>. These fact sheets will also be made available at the 2020 CNLA and CTPA winter meetings.

- Katherine Dugas updated the CAPS outreach posters to include 2020 survey pests. These posters were completed early so that they could be on display at the CACIWC meeting on November 23<sup>rd</sup>. These posters will be on display at the 2020 CNLA and CTPA winter meetings.
- *Publications:*
  - CT Fox 61 News, 16 April: Connecticut towns forced to deal with ash tree infestation <https://fox61.com/2019/04/16/connecticut-towns-forced-to-deal-with-ash-tree-infestation/>
  - CT Weekly Ag Report, 17 April: “Spotted Lanternfly.” [https://www.ct.gov/doag/lib/doag/agreport2019/April\\_17\\_2019\\_Ag\\_Report\\_EMAIL-Final.pdf](https://www.ct.gov/doag/lib/doag/agreport2019/April_17_2019_Ag_Report_EMAIL-Final.pdf)
  - Middletown Press, 23 April: Middletown losing dozens of trees to Emerald Ash Borer infestation <https://www.middletownpress.com/middletown/article/Middletown-losing-dozens-of-trees-to-Emerald-Ash-13786464.php#photo-17266568>
  - NBC Connecticut, 3 May: Courtney Tours Gypsy Moth Damage at Pachaug State Forest <https://www.nbcconnecticut.com/news/local/Courtney-tours-gypsy-moth-damage-at-Pachaug-State-Forest-509452901.html>
  - CT Post, 22 June: DEEP: Spotted lanternfly impact could be ‘devastating’ on CT’s agricultural industry <https://www.ctpost.com/local/article/Spotted-lanternfly-impact-could-be-14030642.php>
  - CT Post, 16 August: Asian longhorned beetle poses potential ‘economic disaster’ for CT <https://www.ctpost.com/local/article/Asian-longhorned-beetle-poses-potential-14335956.php>
  - NBC Connecticut, 3 September: New Haven's Ash Trees Devastated by Beetles <https://www.nbcconnecticut.com/news/local/New-Havens-Ash-Trees-Devastated-by-Beetle-559289621.html>
  - Ridgefield Press, 4 September: Emerald ash borer infestation could increase tree work budget <https://www.theridgefieldpress.com/news/article/Emerald-ash-borer-infestation-could-increase-tree-14412760.php>
  - Southbury Hamlet Hub, 10 October: The Spotted Lanternfly Spotted in Southbury, Residents Take Heed <https://news.hamlethub.com/southbury/publicsafety/4582-the-spotted-lanternfly-spotted-in-southbury-residents-take-heed>
  - WTNH, 15 October: Lanternfly spotted in Southbury <https://www.wtnh.com/news/lanternfly-spotted-in-southbury/>

- CT News Times, 15 October: CT wine and beer could be at risk with this invasive bug <https://www.newstimes.com/local/article/CT-wine-and-beer-could-be-at-risk-with-this-14536334.php>
- Hartford Courant, 15 October: Invasive, destructive spotted lanternfly pest identified in Connecticut <http://www.courant.com/news/connecticut/hc-news-spotted-lanternfly-in-connecticut-20191015-x3kxs5rssbbirnajctivmmerui-story.html>
- California Epeak, 16 October: Destructive Spotted Lanternfly Spotted in Connecticut <https://la.epeak.in/?p=670788>
- 98Q, 16 October: Invasive insect spotted for first time this year in Connecticut <https://98q.com/local-news-stories/40e3952c536d874484d611bff6bce6ed>
- NBC Connecticut, 16 October: Destructive Spotted Lanternfly Spotted in Connecticut <https://www.nbcconnecticut.com/news/local/Destructive-Spotted-Lanternfly-Spotted-in-Connecticut-563208361.html>
- KICKS 105.5, 16 October: Invasive Bug Found in Southbury — If You See it, Squash It <https://kicks1055.com/invasive-bug-found-in-southbury-if-you-see-it-squash-it/>
- CT FOX 61, 16 October: Spotted Lanternfly spotted in Connecticut; invasive species threatens crops, trees <https://fox61.com/2019/10/16/spotted-lanternfly-spotted-in-connecticut-invasive-species-threatens-crops-trees/>
- Town Times, 24 October: Invasive Species Alert: Spotted Lanternfly a Threat to Crops [https://www.primepublishers.com/towntimesnews/news/community\\_news/invasive-species-alert-spotted-lanternfly-a-threat-to-crops/article\\_627d8d0a-f5ca-11e9-b0c6-c38e53b2cf40.html](https://www.primepublishers.com/towntimesnews/news/community_news/invasive-species-alert-spotted-lanternfly-a-threat-to-crops/article_627d8d0a-f5ca-11e9-b0c6-c38e53b2cf40.html)
- *Public Service Announcements (PSA):*
  - Tuesday, October 15, 2019—CAES Announces the Finding of Spotted Lanternfly in Southbury, Connecticut - [https://portal.ct.gov/-/media/CAES/DOCUMENTS/Publications/Press\\_Releases/2019/CAES-Press-Release-Spotted-Lanternfly-CT-October-15-2019.pdf?la=en](https://portal.ct.gov/-/media/CAES/DOCUMENTS/Publications/Press_Releases/2019/CAES-Press-Release-Spotted-Lanternfly-CT-October-15-2019.pdf?la=en)
- Meetings:
  - *Conference calls:*
    - Katherine Dugas participated in CAPS SSC conference calls on the following dates: January 10th, May 9<sup>th</sup>. A call scheduled for September 26<sup>th</sup> was cancelled and Katherine was unable to participate in the call on November 21<sup>st</sup> due to a conflict with the fall CAPS Committee Meeting.
    - Katherine Dugas and Dr. Kirby Stafford participated in a SLF outreach conference call held on August 9th.
  - *Conferences:*
    - 17 January 2019: Katherine Dugas participated in the CT Tree Protective Association Winter Meeting, held at the Aqua Turf Club in

Southington. Katherine staffed an information booth that showcased CAPS and PPA survey targets for 2019.

- 23<sup>rd</sup> and 24<sup>th</sup> January 2019: Dr. Victoria Smith and Katherine Dugas participated in the CT Nursery and Landscape Association Winter Symposium, held at Aqua Turf in Southington. Katherine staffed an information booth that showcased CAPS and PPA survey targets for 2019.
  - 9-12 April 2018: Vicki Smith with Tia Blevins, and Katherine Dugas participated in the 94th meeting of the Eastern Plant Board/HIS/CAPS, held at the Holiday Inn by the Bay in Portland, ME, with discussions on hemp regulation, invasive species, funding issues, and other topics; 100 participants.
  - 17 July 2019: Katherine Dugas attended the CT Nursery and Landscape Association summer meeting, held at Planter's Choice in Watertown. Katherine staffed an information booth that showcased CAPS and PPA survey progress for 2019.
  - 18 July 2019: Katherine Dugas attended the CT Tree Protective Association summer meeting, held at the Farmington Club. Katherine helped staff the CAES booth and brought along information about 2019 CAPS and PPA survey targets.
  - 1 August 2019: Katherine Dugas, Dr. Vicki Smith, and Dr. Kirby Stafford participated in a Spotted Lanternfly Outreach and Response meeting.
  - 6-7 November: Dr. Vicki Smith participated in the annual meeting of the US Forest Service Cooperators, held at the Full Moon Resort in Big Indian, NY, and presented results of 2019 aerial survey of pests and diseases, and general forest health issues, including beech leaf disease and spotted lanternfly; 30 participants.
  - 23 November 2019: Katherine Dugas attended the CT Association of Conservation and Inland Wetlands Commissions annual meeting, held in Cromwell. She gave a talk entitled "The Cooperative Agricultural Pest Survey (CAPS) Program in Connecticut: Monitoring for Invasive Pests" and staffed a CAPS Program table.
- *Webinars:*
    - No relevant webinars were attended during the reporting period.
    - Katherine Dugas forwarded information on two webinars on SLF control in February and March to vineyard growers.
  - *Training:*
    - May – June: Katherine Dugas trained 3 summer workers in trapping, sample sorting, and survey functions during CAPS and PPA survey season.
  - *Other:*
    - 17 January 2019, 23<sup>rd</sup> and 24<sup>th</sup> January 2019: Katherine Dugas attended the CNLA and CTPA winter meetings, as discussed above in Conferences.

- 7 February 2019: Katherine Dugas attended the Spotted Lanternfly Conference held in Milford, MA.
- 5 March 2019: Vicki Smith organized and Katherine Dugas gave a short presentation on the 2019 CAPS survey targets in the annual Forest Health Monitoring Workshop, held in Jones Auditorium; 65 participants. Presentations may be viewed at <https://portal.ct.gov/CAES/Publications/Publications/Forest-Health-Monitoring-Workshop-2019>
- 6 and 7 March 2019: Katherine Dugas attended the SLF Regional Summit held in Harrisburg, PA.
- 17 and 18 July 2019: Katherine Dugas attended the CNLA and CTPA summer meetings, as discussed above in Conferences.

- B.** If appropriate, explain why objectives were not met.\***All objectives were met.**
- C.** Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000. \* **No cost overruns occurred.**
- D.** Was all Pest Detection / CAPS survey data entered into the National Agricultural Pest Information System (NAPIS)? If not, please provide a justification.  
**Relevant survey data were entered on the following dates: 11/6, 11/18, 11/19, and 12/10. All data for 2019 has been entered.**
- E.** Supporting Documents: **See Appendix for Minutes of Spring and Fall CAPS Meetings.**

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*\*indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Appendix: Minutes of Spring CAPS Meeting:

**USDA APHIS COOPERATIVE AGRICULTURAL PEST SURVEY (CAPS) PROGRAM  
STATE CAPS COMMITTEE MEETING  
New Haven, CT  
Monday, June 17th, 2018; 10:00 a.m. – 12:00 p.m.**

**AGENDA**

**1. Welcome and Introductions**

In attendance – Nichole Carrier, USDA; Kate Aitkenhead, USDA; Vicki Smith, CAES; Kirby Stafford, CAES; Marielena Lima, DEEP; Chris Donnelly, DEEP, Ashley Martone, CAES; Claire Rutledge, CAES; Katherine Dugas, CAES

**2. Updates of 2019 CAPS and PPQ surveys and outreach programs**

*Surveys conducted by The Connecticut Agricultural Experiment Station (CAES)*

*CAPS 2019 Nursery Survey – 50 sites, all up:*

<b>Scientific Name</b>	<b>Common Name</b>	<b>Survey Method</b>	<b>Trap</b>	<b>Lure</b>
<b>Nursery Pest Survey</b>				
<i>Ips sexdentatus</i>	Sixtoothed bark beetle	Trap	Multi-funnel Trap, 8 Funnel, Wet	3 Ips Lure
<i>Ips typographus</i>	European spruce bark beetle	Trap	Multi-funnel Trap, 8 Funnel, Wet	3 Ips Lure
<i>Hylobius abeitus</i>	Large pine weevil	Trap	Multi-funnel Trap, 8 Funnel, Wet	Ethanol Lure with Alpha Pinene
<i>Tomicus destruens</i>	Mediterranean pine shoot beetle	Trap	Multi-funnel Trap, 8 Funnel, Wet	Ethanol Lure with Alpha Pinene
<i>Tortrix viridana</i>	green oak tortrix moth	Trap	Wing Trap Kit, Paper	<i>Tortrix viridana</i> Lure
<i>Thaumetopoea processionea</i>	oak processionary moth	Trap	Wing Trap Kit, Paper	<i>Thaumetopoea processionea</i> Lure
<i>Thaumetopoea pityocampa</i>	pine processionary moth	Trap	Large Plastic Delta Trap Kits, Red	<i>Thaumetopoea pityocampa</i> Lure
<i>Dendrolimus pini</i>	Siberian silk moth	Trap	Milk Carton Trap	<i>Dendrolimus pini</i> – <i>Dendrolimus sibiricus</i> Lure
<i>Dendrolimus sibiricus</i>	pine tree lappet	Trap	Milk Carton Trap	<i>Dendrolimus pini</i> – <i>Dendrolimus sibiricus</i> Lure
<i>Dendrolimus punctatus</i>	Masson pine moth	Trap	Wing Trap	<i>Dendrolimus punctatus</i> Lure

*PPA Vineyard Survey – 20 sites, in progress of setting up:*



Scientific Name	Common Name	Survey Method	Trap	Lure
<i>Eupoecilia ambiguella</i>	grape berry moth	Trap	Paper Wing Trap	<i>Eupoecilia ambiguella</i> lure
<i>Lobesia botrana</i>	European grapevine moth	Trap	Paper Delta Trap	<i>Lobesia botrana</i> lure
<i>Cryptoblabes gnidiella</i>	Christmas berry webworm	Trap	Paper Wing Trap	<i>Cryptoblabes gnidiella</i> lure
<i>Lycorma delicatula</i>	spotted lanternfly	visual	General Visual Observation	None
<i>Diabrotica speciosa</i>	cucurbit beetle	visual	General Visual Observation	None
<i>Heteronychus arator</i>	black maize beetle	visual	General Visual Observation	None
<i>Candidatus Phytoplasma australiense</i>	Australian grapevine yellows	visual	Collect symptomatic leaf material. Be sure that each plant that is sampled exhibits shriveling of the fruiting cluster.	None
<i>Candidatus Phytoplasma solani</i>	Stolbur disease	visual	Collect symptomatic plant material	None
<i>Candidatus Phytoplasma vitis</i>	Flavescence doree	visual	Collect symptomatic leaf material. Be sure that each plant that is sampled exhibits shriveling of the fruiting cluster.	None

*Surveys conducted by USDA APHIS PPQ (Nichole + Kate)*

20 sites, each site has 3 lindgren Traps in hardwoods near importers:  
*Trypodendron domesticum* in spring, *Platypus quercivorus* in summer

*T. campestris* – a drywood feeder  
 Misc. bark beetle trap - ethanol

SLF surveys starting in late July – high risk 1km grid survey, 5 grids/day  
 High risk areas are Hartford and Fairfield counties, highway corridors, and trace-forward sites. Lots of *Ailanthus* along highway, but difficult to access.

*Mile-a-Minute biological control (UConn + CAES)*

As part of the federal biological control program for MAM (funded by USDA APHIS PPQ), >56,000 *Rhinoncomimus latipes*, a small weevil which feeds and reproduces exclusively on MAM, have been released between 2009 and 2018 to counter the spread of MAM. This project was a collaboration with the University of Connecticut since 2009 but is now being implemented by the CAES in 2019. Weevils have survived Connecticut winters, adapted to challenging environmental conditions and spread widely in many areas to feed on MAM. Expecting 4,000 weevils week of 6/17 and currently making arrangements for their release in new towns.

*Lily leaf beetle biological control (UConn)*

Vicky Wallace is taking over project.

*Cerceris Biosurveillance (Claire)*

Lots of twolined chestnut borer in eastern CT in 2018, due to oak stress. This is similar to Lisa Tewksbury's data in RI. More *A. smargodifrons* caught. Parasitoids – Lebanon and Coventry are new sites. Recovery of *Spathius* in Cromwell and Plymouth. Evidence of spread – *Tetropium* recovered at distance from release site. *Oobius* also recovered but more difficult to find.

**2019 Forest and Agricultural Pest Outreach**

FY2018 is wrapping up at the end of June, FY2019 starts in July. For 2018 we've been focusing heavily on producing outreach materials for spotted lanternfly and getting them distributed. Plastic SLF cards, also a poster and an advertisement that is set to be published in the CNLA yearbook. Looking into the CTPA yearbook as well as some other publications.

Worked with Chris Donnelly and Marielena Lima in April on updating the DEEP Forestry website with spotted lanternfly information. That website is now live at [www.ct.gov/deep/spottedlanternfly](http://www.ct.gov/deep/spottedlanternfly).

Mary Concklin is Donna's replacement at UConn – will include her in future meetings.

2019 is going to continue this focus on SLF outreach. We are also looking for tree-of-heaven stands for current and future visual survey. An email was sent to the Forest Cooperators last July with a request for information on areas with significant tree-of-heaven presence. Responses with GPS coordinates have been requested, and all reports being collected in a spreadsheet and coordinates mapped using Google Earth. A fact sheet on tree-of-heaven and its connection to SLF was also produced. The fact sheet also includes the request for information on sites. This fact sheet was distributed at the CACIWC meeting and at the meetings of the CNLA, CTPA and the CT Small Fruit and Vegetable Growers Conference this past winter and spring.

Chris Donnelly's notes on the SLF Discussion

- Nichole led off with a comment about how SLF has now been found capable of going from egg to adult (but not necessarily egg laying adult) on black walnut – so we can no longer claim it is just an agricultural pest. They do would like us (DEEP, forestry) to be involved.
- Penn State and the State of PA have put together some very good materials on identifying and

treating for SLF – including a good life cycle calendar as well as one on treatment. I am glad Mari was at the meeting, as she had looked through a lot of these materials and has incorporated several of them on our web page on SLF. It also gave her some ideas for additional items.

- APHIS has put together at least three separate maps on ArcGIS On Line – one on SLF Phenology, one on Likely Points of Entry and One on Probable Presence of Host Trees (pdf attached). She would like for us (Forestry, Parks?, others??) to have access. I think that mostly involves us sending a list of emails. Once we have access, we can help APHIS with monitoring higher likelihood sites and potentially also include new observations – e.g. on concentrations of ailanthus.
- Speaking of highly likely sites, we discussed the Regional Market in Hartford, near the I-91, I-84 interchange, where grapes and other produce are brought in from all over the state and which is adjacent to a firewood processing facility. With lots of ailanthus nearby. This could be a good opportunity to get a group like Knox involved.
- Education and outreach did dominate the discussion. Nichole talked about reaching out to campsite managers and campers, Katherine showed a proof of a poster she would like to distribute to State Parks, we also talked about specific target audiences, such as Knox, DOT and the Tree Wardens. Katherine is thinking in terms of a get-together specifically on SLF.
- I suggested a one-page checklist type inspection sheet to guide scouting for SLF – i.e., the sort of item field seasonals can use in looking for signs of the insect. The thought was, get them scattered throughout the system so that folks adopt a systematic way of inspecting for SLF, and will then start doing so, more or less automatically.

### 3. 2020 Survey Plans:

- CAES Surveys:
  - CAPS Nursery Survey – 50 sites: Targets include *Platypus quercivorus*, *T. processionea*, *T. campestris*, *Anoplophora chinensis*, *Lycorma* grid survey.
  - Farm Bill Survey Suggestions: Orchard, *Phytophthora*, *Cerceris*, Forest Pest Outreach
    - Forest Pest Outreach is going to be tooled towards SLF Response.
    - Orchard survey will include *T. campestris*, *Archips xylosteanus*, *Leucoptera mallifolella*, *Cryptoblabes gnidella*.
- USDA APHIS PPQ Surveys – Same as 2019

### 4. Other old or new business

- Next State CAPS Committee meeting will be in fall 2019.

**USDA APHIS COOPERATIVE AGRICULTURAL PEST SURVEY (CAPS) PROGRAM  
STATE CAPS COMMITTEE MEETING**

**Wallingford, CT**

**Thursday, November 21st, 2019; 10:00 a.m. – 12:00 p.m.**

**AGENDA**

**5. Welcome and Introductions**

In attendance: Nichole Carrier, USDA; Kirby Stafford, CAES; Katherine Dugas, CAES; Vicki Smith, CAES; Ana Legrand, UConn; Abby Bessinger, UConn; Claire Rutledge, CAES; Sara Carson, CAES; Chuck Baker, USDA; Zack Brown, USDA; Kate Aitkenhead, USDA; Ken Divito, USDA; Vickie Wallace, UConn

**6. Updates of 2019 CAPS and PPQ surveys and outreach programs**

**Surveys conducted by The Connecticut Agricultural Experiment Station (CAES):**

OPM, PPM, MPM and GOTM:

Wing traps for oak processionary moth (OPM) pine processionary moth (PPM), Masson pine moth (MPM) and green oak tortrix moth (GOTM) were installed at 50 sites beginning the week of May 5th and the last traps were removed the week of September 9th. The traps were serviced every two weeks, and lures replaced as needed according to National Oak and Pine Commodity survey guidelines. A total of 1009 trap collections were collected and screened. No suspect moths were identified.

IPS, LPW and MPSB:

A lindgren 8-funnel trap for the two Ips species and a second lindgren trap for large pine weevil (LPW) and Mediterranean pine shoot beetle (MPSB) were installed at 50 sites beginning the week of April 22nd and the last traps were removed the week of September 9th. Traps were serviced every two weeks and lures replaced as needed, according to National Exotic Wood Boring and Bark Beetle survey guidelines. The Carnegie Museum of Natural History's Biodiversity Services Facility is screening and identifying scolytids collected during this survey. A total of 758 samples have been sent and screened. No target suspects have been identified as of 11/14. The ambrosia beetle *Anisandrus maiche* was identified from two August sample collections in Fairfield and New Haven counties. Positive identifications of this beetle previously occurred in both counties during PPQ surveys in 2017 and 2018. *Halyomorpha halys* was identified in a sample collection from Fairfield county.

SSM and PTL:

Modified milk carton traps following national protocols developed by APHIS for Siberian silk moth (SSM) and pine tree lappet (PTL) were installed at 50 sites starting the week of May 5th and the last traps were removed the week of September 9th. Traps were checked in the field every two weeks, and the entire trap was collected for screening and replaced once a month. A total of 195 traps were collected and screened. No suspect moths were identified.

**Surveys conducted by USDA APHIS PPQ:**

20 sites, Targets include importers and the areas around them

*Trypodendron domesticum/Platypus quercivorus* Lindgren traps, swapped to

*Platypus* in June

*Trichoferus campestris* cross-vane used only ethanol lure, next year *T. campestris* lure will also be required.

Saw a large increase in *Anisandrus* 'hits' in CT and MA.

*Scolytus schevyrewi* at a site in Litchfield county, *Agrilus planipennis* in lindgren traps in Litchfield and Middlesex counties.

No exotic insect collections from traps in RI.

SLF survey focus was on rails, railyards, and rest stops. Visual survey based on 1km national grid, completed 519 surveys in CT. Also tested 8 experimental circle traps baited with methyl-salicylate lures in CT. All traps were negative. This is unlikely to become an approved survey method, as the traps are more useful as a delimitation tool, and have issues with bycatch.

**Mile-a-Minute biological control (UConn + CAES):**

Carole Cheah has taken over project.

CIPWG website gets notices and alerts on MaM, Chuck attended the final release in Durham meadows, this project is not receiving APHIS funding next year.

**Lily leaf beetle biological control (UConn):**

Ending this year. One release in a Norwich home garden, no recoveries.

**Cerceris Viosurveillance + Biocontrol:**

12 new *Cerceris* detections, seeing the 'donut' distribution of EAB as populations drop in areas with high ash mortality (ran out of food!) 7,228 beetles collected overall. 661 were twolined chestnut borer, high counts (around 1/3 of catch) in Tolland and Windham counties, indicative of oak stress due to gypsy moths. Releases of *Tetrastichus* in Scantic and *Spathius* in Weston, with recoveries. Studied spread from Cromwell using peels, pan traps and sentinel logs, was very successful. May not map EAB mortality for aerial survey west of CT river, questions about CT ambassadors program and survivor ash trees.

**2019 Forest and Agricultural Pest Outreach/Spotted Lanternfly:**

Checked rest areas along I-95, 15, and I-395, no SLF present

Southbury Interception and press release generated a lot of response.

Discussion regarding future outreach – involvement of citizen scientists, similar to EAB biosurveillance program – online reporting through Squisher and EpiCollect apps? Collaborate this with Abby Bessinger?

**7. 2020 Survey Plans:**

• CAES Surveys:

▪ CAPS Nursery Survey

50 nursery sites, focus on hardwood and ornamental pests: OPM, PLBM, OAB and Japanese oak wilt, *T. campestris*, CLB, and SLF

▪ PPA Suggestions:

○ Orchard Commodity Survey

20 sites – VGTM, PLBM, *T. campestris*, CBW, and SLF

○ *Phytophthora ramorum* Survey

25 nursery sites, looking for *P. ramorum* and *P. kernoviae*

○ *Cerceris* Biosurveillance

Suggestion submitted, same as previous years'

○ Forest Pest Outreach

- **USDA APHIS PPQ Surveys**

Similar to last year, but no *Trypodendron*. 30 CT sites, April – August

SLF visual survey August – October

Cross vane w/ ethanol, second cross vane w/ *T. campestris* lure

**8. Other old or new business**

**Beech Leaf Disease:**

Found and confirmed in June in Fairfield, nematode located at 5 locations. Has distinctive symptoms, dark rectangles on leaf tissue.

**Tick Surveillance/Asian Longhorned Tick:**

Found in 13 states, killed 5 NC Cattle. Is parthogenetic, can build up large populations.

1 nymph and 1 larva, potential for more in Fairfield county

Heavy population on Staten Island

Vector of hemorrhagic fever virus, but North American ticks have been all negative.

Deer and dogs more likely to be hosts than humans, more of a veterinary issue.

**Gypsy Moth:**

Aerial survey showed little defoliation in 2019, mortality of oaks due to the 2016 – 2018 outbreak

Fungal activity is high, state forests are being clear cut in areas.

**Brown Rugose Tomato Virus:**

Pathway is soils, plants, seed, discussion of tomato production in CT

- Next State CAPS Committee meeting will be in Spring 2020