

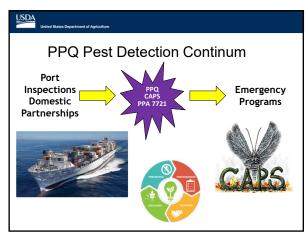
PPQ Programs and Response Responses and Program Highlights in 2020 Ralstonia race 3 biovar 2 Asian Giant Hornet (not in New England, but a popular inquiry topic in 2020) Unsolicited Seeds from China Spotted Lanternfly Emerald Ash Borer Deregulation



Ralstonia race 3 biovar 2 ❖Introduced into greenhouses in April 2020 through infected geraniums ❖3 phases in CT, MA, and RI ❖Pink Flare- 21 locations ❖Pink Salmon- 8 locations ❖Final phase- 19 locations ❖ Declared eradicated in June 2020

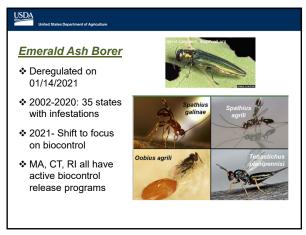
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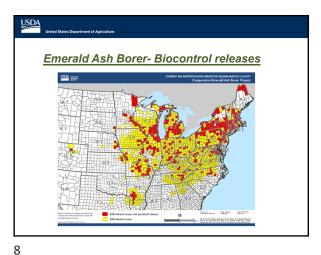
**Unsolicited Seeds from China** ❖eCommerce brushing scam ❖Over 2000 reports in MA, CT, and RI ❖Mostly common flower and vegetables seeds ❖ Did find some pests, federal noxious weed seed, and diseases ❖PPQ is working with eCommerce and partners to close the pathway

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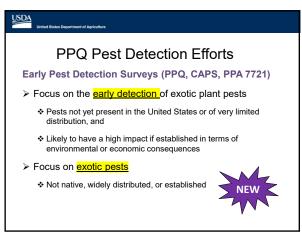
**PPQ Pest Detection Efforts** Early Pest Detection Surveys (PPQ, CAPS, PPA 7721) ➤ Multi-pronged strategy to accomplish goals: Have a structured, transparent assessment process to identify pest threats. Develop scientifically sound pest diagnostics and survey protocols. Provide standardized survey materials (traps, lures, etc.) Ensure that data collected is valid and of high quality. Provide notification of significant pest detections through established protocols.

7 10



PPQ 2020 Surveys (CT/MA/RI) Forest Pest Survey Sites: CT-30/ MA-30/ RI-14 3 traps per site: - Lindgren Funnel Trap baited with UHR Ethanol Crossvane Panel Trap baited with T. campestris lure - Crossvane Panel Trap baited with UHR Ethanol

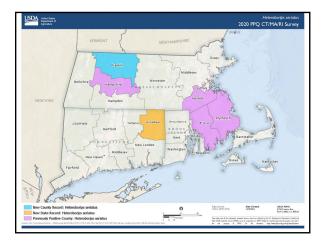
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PPQ 2020 Surveys (CT/MA/RI) Forest Pest Survey Target Locations: Importers receiving SWPM, Industrial areas, Distribution centers, ports Target Hosts: Oak, Maple, Mixed Decidous Target Pests: Miscellaneous bark beetles & Wood borers Trichoferus campestris, Velvet Longhorned Survey Period: April 24 - September 30



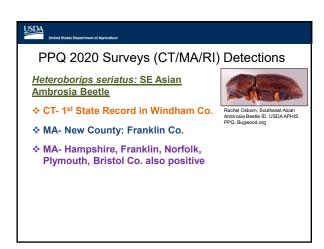


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PPQ 2020 Surveys (CT/MA/RI) Detections Heteroborips seriatus: SE Asian Ambrosia Beetle Native to China, Russia, SE Asia Polyphagous ❖ 2.5-2.9mm long, dark brown/orange body 1st detected in MA in 2005 (1st US) Record)

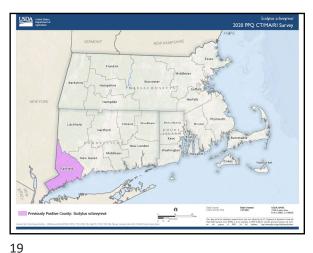
PPQ 2020 Surveys (CT/MA/RI) Detections <u>Scolytus schevyrewi: Banded Elm Bark Beetle</u> Native to China, Russia, SE Asia ❖ Ulmus, Prunus, Malus ❖ Vectors Dutch Elm Disease ❖ 3.2-4.2mm long, reddish brown body, banded 1st detected in CO & UT in 2003, widespread U.S.; previously detected in CT (2007, 2019) & RI (2014)

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PPQ 2020 Surveys (CT/MA/RI) Detections Scolytus schevyrewi: Banded Elm Bark **Beetle** \* CT- Fairfield Co. positive

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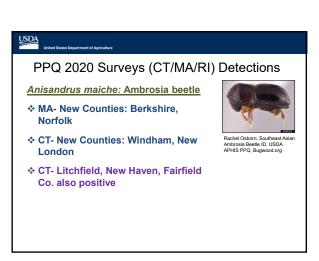


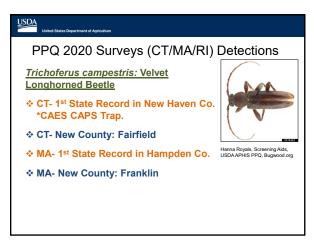


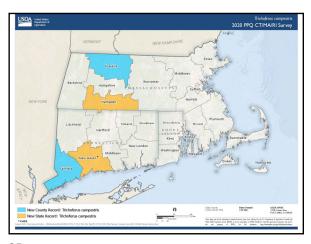
PPQ 2020 Surveys (CT/MA/RI) Detections Anisandrus maiche: Ambrosia beetle ❖ Native to Asia Polyphagus ❖ Approx. 2mm long, dark brown body ❖ 1<sup>st</sup> detected in PA in 2005; limited distribution in U.S. 1st detected in CT in 2017; 1st detected in MA in 2019

PPQ 2020 Surveys (CT/MA/RI) Detections <u>Trichoferus campestris: Velvet</u> <u>Longhorned Beetle</u> Native to Asia, Russia Polyphagus: Apple, Mulberry, Birch, ❖ Feeds on both living and dry wood Hanna Royals, Screening Aids, USDA APHIS PPQ, Bugwood.org 11-20mm long, dark brown to brownish orange body body ❖ 1<sup>st</sup> detected in UT in 2010; widespread distribution in U.S.

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Poll Question

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PPQ 2020 Surveys (CT/MA/RI) Detections

Xylotrechus pyrrhoderus: Grape Borer

Native to China & Japan

NPAG (New Pest Advisory Group)
evaluating: hosts, life cycle, detection
methods, pest potential and status in
native range, etc.

Paul Langlois, Museum
Collections, USDAAPHIS PPQ,
Bugwood.arg

Paul Langlois, Museum
Collections, USDAAPHIS PPQ,
Bugwood.arg

New U.S. Record- Hampden Co. MA
(determined 12/2020)

PPQ 2020 Surveys (CT/MA/RI)

Spotted Lanternfly Visual Survey
Sites: CT-500/ MA-500/ RI-250

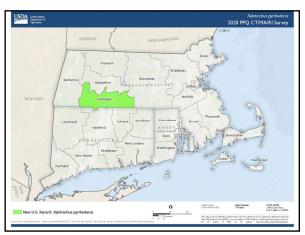
Target Locations: areas near transportation corridors, large railyards, distribution centers, areas within predicted spread

Target Host: Ailanthus altissma, Tree of Heaven

Method: Visually survey 1 or more trees at each location using binoculars.

Survey Period: Aug – October, when Adults would be present.

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PPQ 2020 Surveys (CT/MA/RI)

Spotted Lanternfly Visual Survey

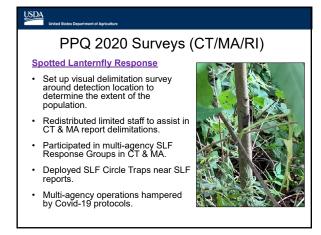
Now this is a story all about how my life got flipped turned upside down and I'd like to take a minute, just sit right there.......(DJ Jazzy Jeff & The Fresh Prince)

Surveys were delayed 2 weeks due to Covid-19 and didn't begin until late August, early September.

PHSS, Eric Chamberlain visually detected an SLF population in Fairfield, Co on September 11, 2020.

Concurrently, both CT & MA SPROs were dealing with multiple public reports and trace-forwards from shipments from known SLF-infested areas.

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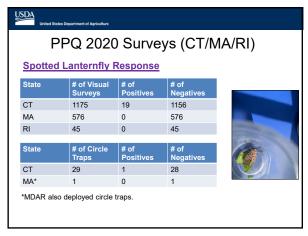
PPQ 2020 Surveys (CT/MA/RI)

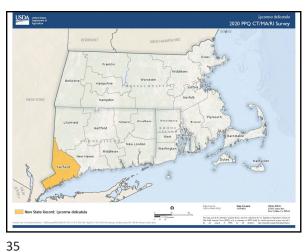
Spotted Lanternfly Response

CT- 1st State Record in Fairfield County

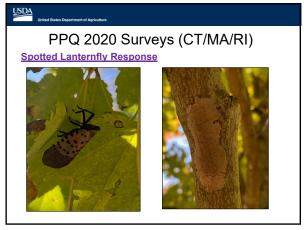
Detected in 3 towns

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PPQ 2020 Surveys (CT/MA/RI)

Spotted Lanternfly Research Trapping

Behavioral Trapping (Joe Francese, CPHST)

Sites: CT-6/MA-4

Comparison of 3 traps: Bug Barrier, Circle Trap-Jar, Circle Trap- bag

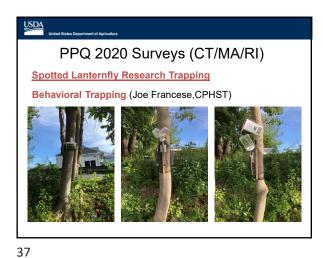
All baited with Methyl Salicylate lures

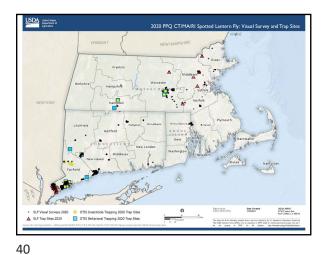
Collect trap contents every 2 weeks.

Survey period: June- October

All traps were negative

33 36



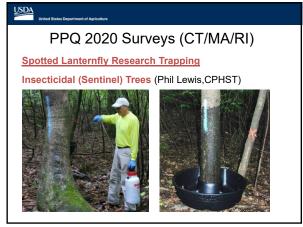


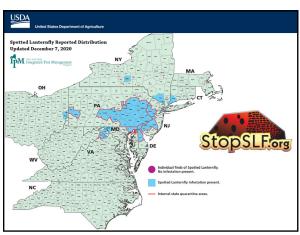
PPQ 2020 Surveys (CT/MA/RI) **Spotted Lanternfly Research Trapping** Insecticidal (Sentinel) Trees (Phil Lewis, CPHST) Sites: CT-7/MA-3 Applied Transtect basal spray to single Ailanthus tree trunk up to 5ft. Placed a plastic tub around the base of the tree and monitored every 2-3 weeks. Survey period: June- October All traps were negative

Poll Question

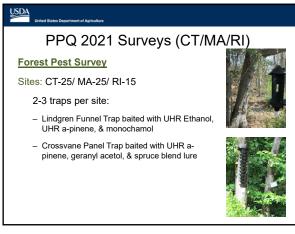
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PPQ 2021 Surveys (CT/MA/RI)

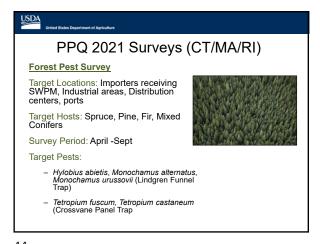
Forest Pest Survey: Crossvane Panel Targets

Finish in Kingals Butwood.org

Charles Translation Castaneum

Tetropium castaneum

43 46



PPQ 2021 Surveys (CT/MA/RI)

Xylotrechus Survey

Survey Area: Immediate vicinity of detection

Survey Methods:

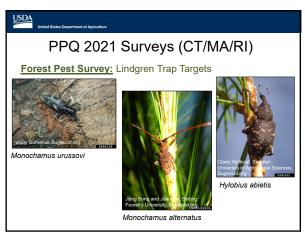
- Crossvane Panel Trap with experimental lures.

- Visual survey around detection point.

Survey Period: May-Sept

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PPQ 2021 Surveys (CT/MA/RI)

Spotted Lanternfly Visual Survey

Sites: CT-undetermined/ MA-500/ 350

Target Locations: areas near transportation corridors, large railyards, distribution centers, areas within predicted spread, previous reports

Target Hosts: Ailanthus altissma, Tree of Heaven, Black Walnut, Cherry, Maple, Oak, Black Locust

Method: Visually survey 1 or more trees at each location using binoculars.

Survey Period: Primarily July – October, when late instar nymphs and Adults would be present

