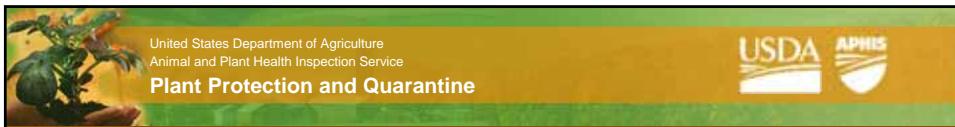


United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

USDA APHIS

USDA Inspectors: What do they look for?

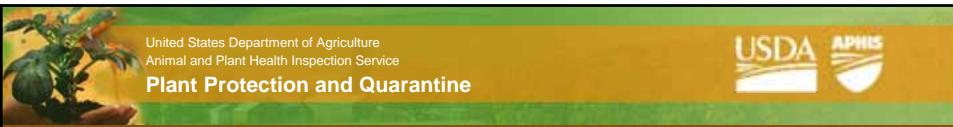
Eric Chamberlain
USDA, APHIS, PPQ
Wallingford, CT
November 15, 2018



United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

USDA APHIS

- ✓ Freedom from quarantine pests
- ✓ Generally insect free
- ✓ Not contaminated with soil
- ✓ Product identity
- ✓ Inventory records
- ✓ Kiln records
- ✓ Kiln calibration
- ✓ Stencil marks: HT/KD
- ✓ Grading agency records
- ✓ Certified origin
- ✓ Square edged with bark or bark-free

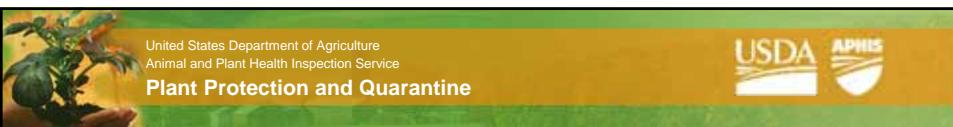


United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

USDA APHIS

Options for certifying KD/HT lumber for export...

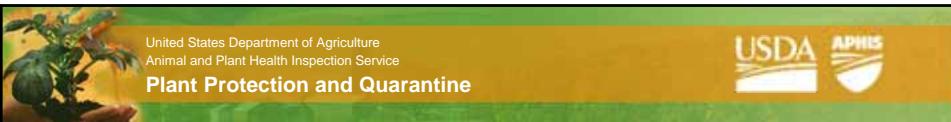
**Contact your local
PPQ Office/ACO**



United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine

USDA APHIS

How is a Kiln Dry Treatment Verified?



KD Verification

ACO conducts a physical inspection, reviews kiln charge results, and measures moisture content to verify < 20% OR

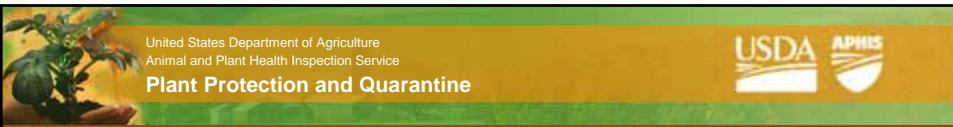
KD Verification

Facility operates under the supervision of an authorized agency, AND

ACO conducts physical inspection & verifies KD marks from authorized agency, if required, OR

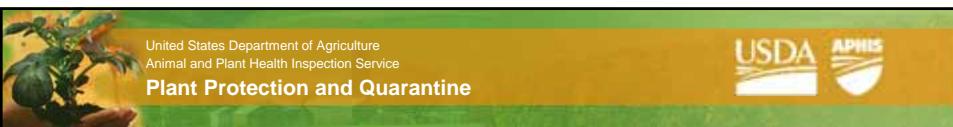
Facility provides treatment certificate issued by an authorized agency, OR





KD Verification

Third-party kiln calibration within past year and documentation of low moisture content and/or kiln charge results and a heat treatment certificate on company letterhead.



What does operates under the supervision of an authorized agency mean?

KD Verification: Hardwood:

- Facility operates under agreement PPQ has with NHLA
- Phytosanitary certificate is based on the treatment certificate provided by the facility: Certificate of KD
- Subject to random phytosanitary inspection



United States Department of Agriculture
Animal and Plant Health Inspection Service
Plant Protection and Quarantine



Third-party kiln calibration

KD Treatment Verification: Hardwood

- Facility provides ACO copy of kiln certification performed in the last year and validation of low moisture content
- ACO verifies treatment as outlined in Ch. 7 of Dry Kiln Operators Manual



KD Treatment Verification: Softwood

Option 1: ACO conducts visual inspection, Verifies KD marks on wood/cover, Measures moisture content below 20%

Option 2: Facility provides ACO copy of kiln certification (calibration) performed in the last year and validation of low moisture content. ACO verifies treatment as outlined in Ch. 7 of Dry Kiln Operators Manual





HT Verification

Facility operates under the supervision of a PPQ authorized agency, AND

ACO conducts physical inspection & verifies HT marks from authorized agency, if required, AND

Facility provides treatment certificate issued by an authorized agency OR

USDA

HT Verification

Facility not affiliated with a Mill Certification Program organization:

ACO reviews third party thermocouple calibration performed within past year, documentation of core temperatures and duration provided by facility, and a HT treatment certificate on company letterhead



Minimum hardwood KD schedule equivalent to the 56/30 HT:

Lumber up to 2 inches in thickness:

Any hardwood lumber treatment that reaches a minimum of 65°C (150°F dry bulb), and maintains it for a minimum of 48 hours, AND 10% or less moisture, meets the requirements for Heat Treatment of 56°C (132.8°F), maintained for 30 minutes at the core.

Lumber 2 - 4 inches in thickness:

...minimum of 72 hours



HT Verification: Hardwood

Option 1: Facility operates under agreement with NHLA same as KD, except that HT is stipulated in Certificate of Kiln Drying.

Option 2: Facility provides ACO with copy of thermocouple certification performed in the last year. ACO verifies treatment meets required core temperature by reviewing recorded results.



HT Verification: Softwood

Option 1: ACO conduct physical inspection; verifies HT

Option 2: Facility under agreement with authorized lumber grading agency. Facility provides ACO with treatment certificate: HT Cert using a Kiln Facility

Option 3: Facility provides ACO with copy of thermocouple certification performed in the last year ACO verifies treatment meets required core temperature by reviewing recorded results



Other Mill Certification Programs

- ✓ HT of Coniferous Sawn Wood going to EU
- ✓ DB & grub hole control of sawn conifer wood
- ✓ KD Coniferous Sawn Wood Going to non-EU



National Wood Products Compliance Agreement

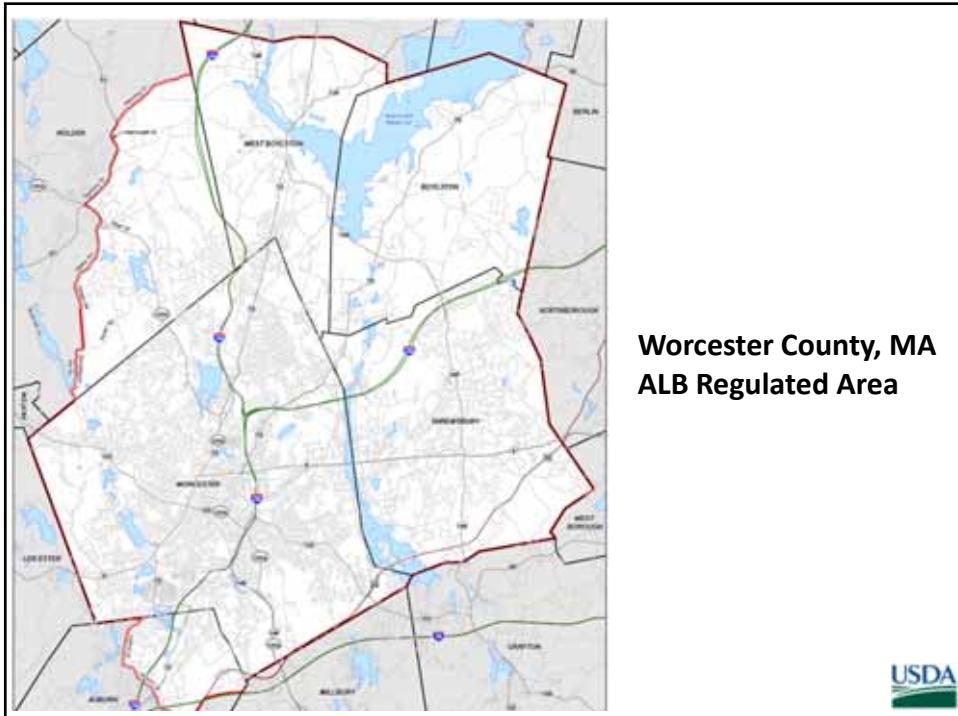
- ✓ Exporter's history of compliance with previous export shipments – Local Stipulations
- ✓ Mill Certification Programs in Export Program Manual
- ✓ Operates under ALSC/NHLA grading agency program
- ✓ Annual 3rd party kiln calibration record & treatment certificate on company letterhead





United States Department of Agriculture

Asian Longhorned Beetle (ALB) Eradication Program





**ALB- host material is firewood, green lumber and other material of half an inch or more in diameter from:
maple, horse chestnut, mimosa, birch,
katsura, ash, golden rain tree,
sycamore, poplar, willow, mountain ash,
and elm.**



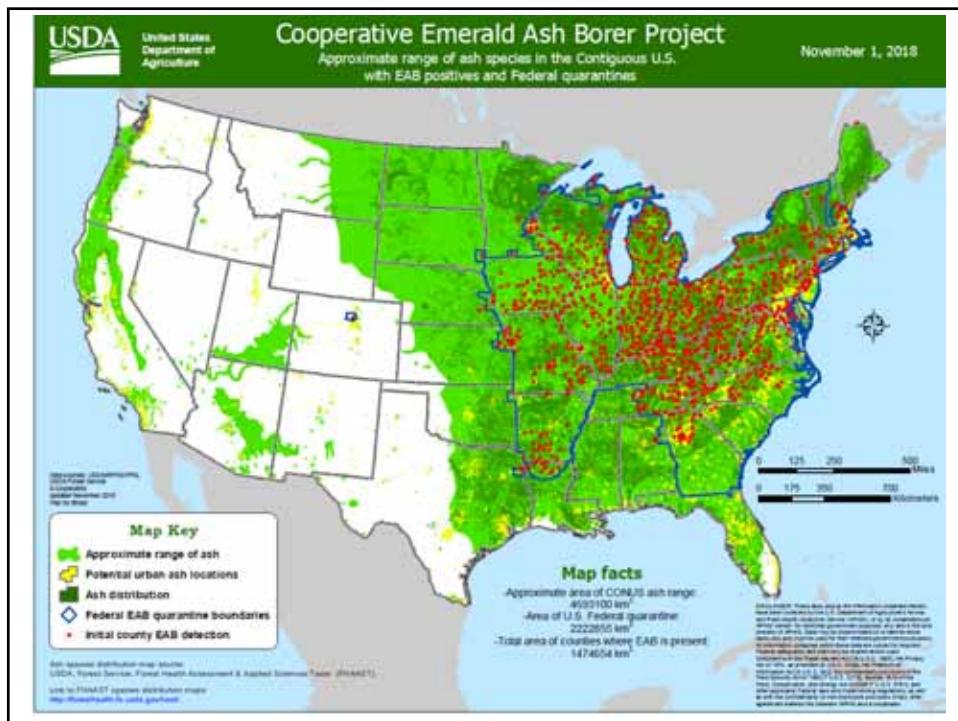
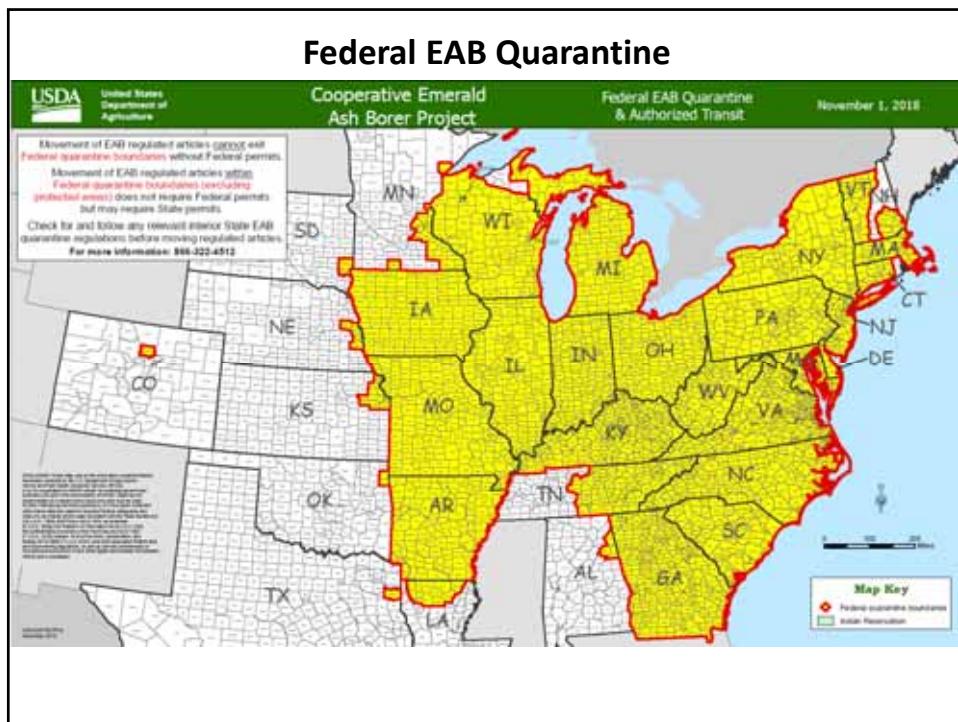
ALB Program Goals

- ✓ Year-round survey of host trees within regulated area
- ✓ Remove infested trees
- ✓ High-risk host tree removals
- ✓ Treatment applications evaluated annually



Emerald Ash Borer





Availability of the Proposal to Remove the Domestic Quarantine for Emerald Ash Borer

The proposal would end APHIS' domestic regulatory activities, which includes actions such as issuing permits, certificates and compliance agreements, making site visits, and conducting investigations of suspected violations, and instead direct all available resources toward managing the pest. APHIS intends to conduct more research and release a greater number of biological control agents—tiny stingless wasps that are natural predators of the EAB.



Availability of the Proposal to Remove the Domestic Quarantine for Emerald Ash Borer

We would like input on the proposal from you

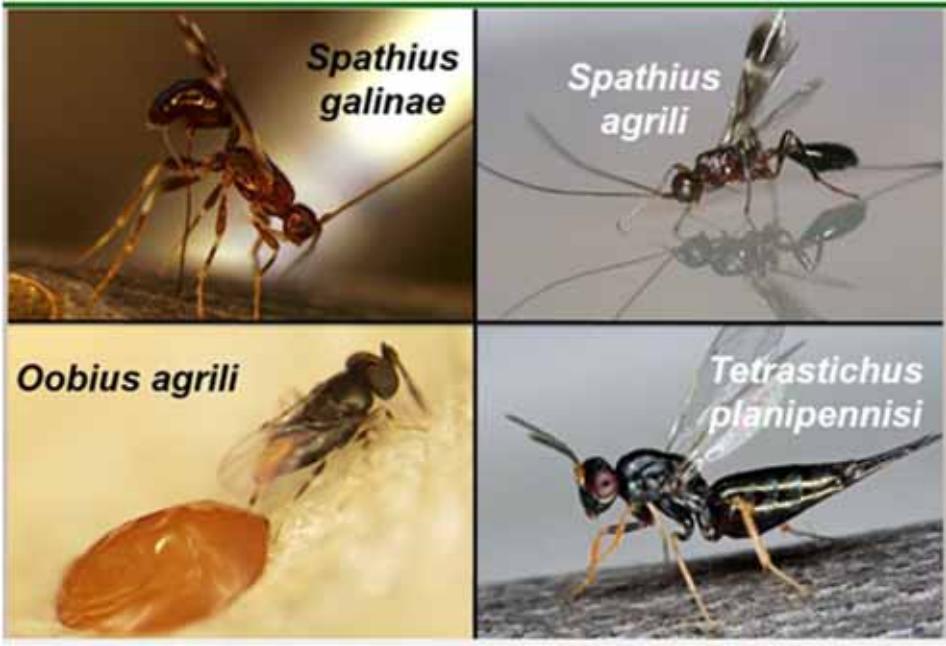
The proposed rule is available in the Federal Register and open for comment through November 19, 2018

[Regulations.gov](#)

Docket: APHIS-2017-0056

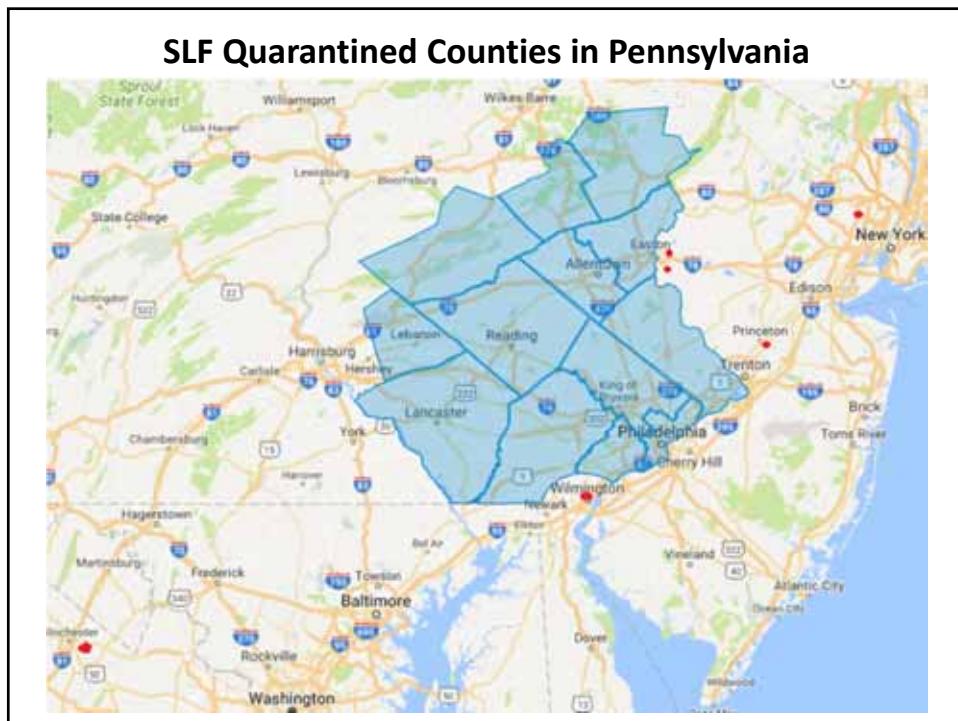
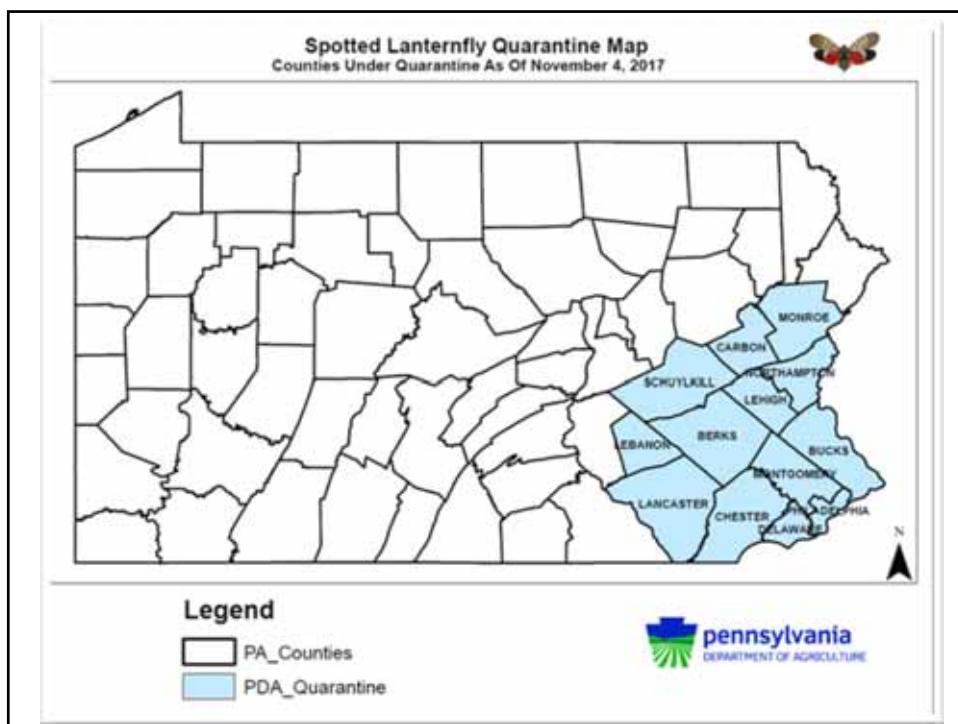


EAB parasitoids



Spotted Lanternfly





Spotted Lanternfly in the U.S.

Active Populations: Pennsylvania, New Jersey, Delaware, Virginia

Hitchhikers – Dead insects: Connecticut, New York

Alive Adult found on Nursery Stock: New York

Adult Found on Sticky Band: Maryland



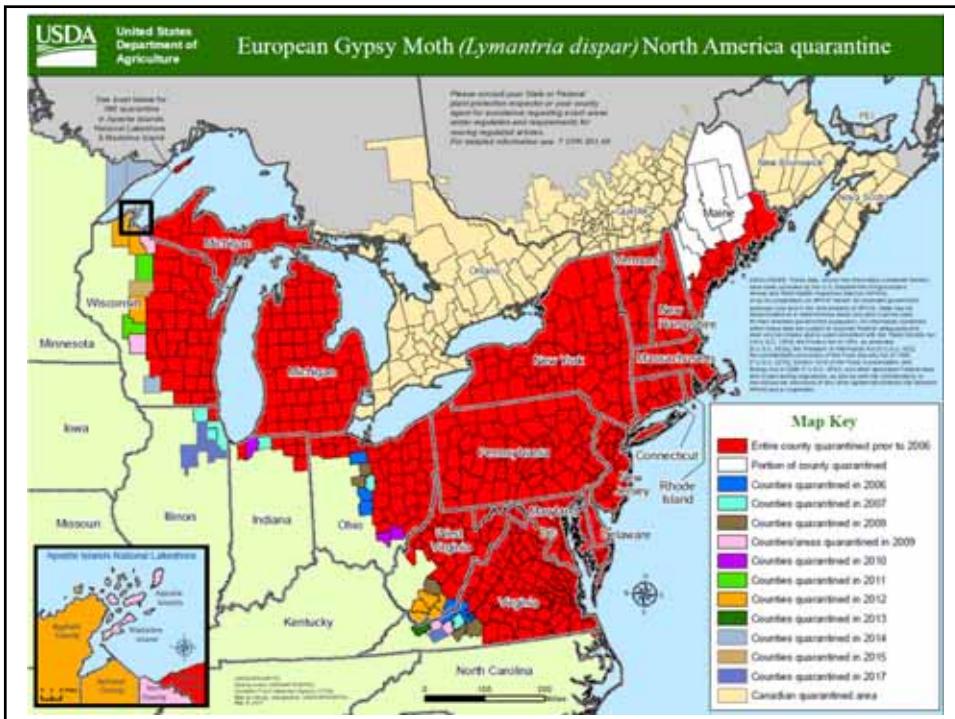
Late instar (left) & early instar (right)







Photo: Penn State Extension



**Eric Chamberlain
Plant Health Safeguarding Specialist
Wallingford, CT
203.741.5643
eric.a.chamberlain@aphis.usda.gov**

www.aphis.usda.gov "plant health"

**Contact your local
PPQ Office/ACO**