

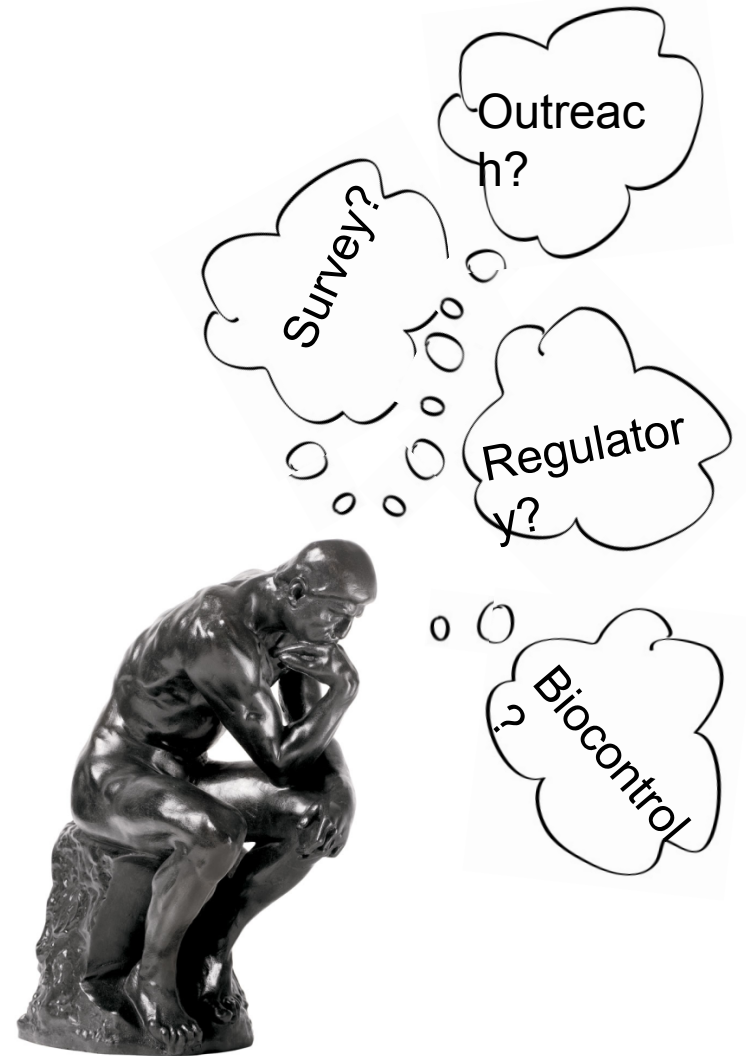


A State's Perspective on Deregulation of Emerald Ash Borer

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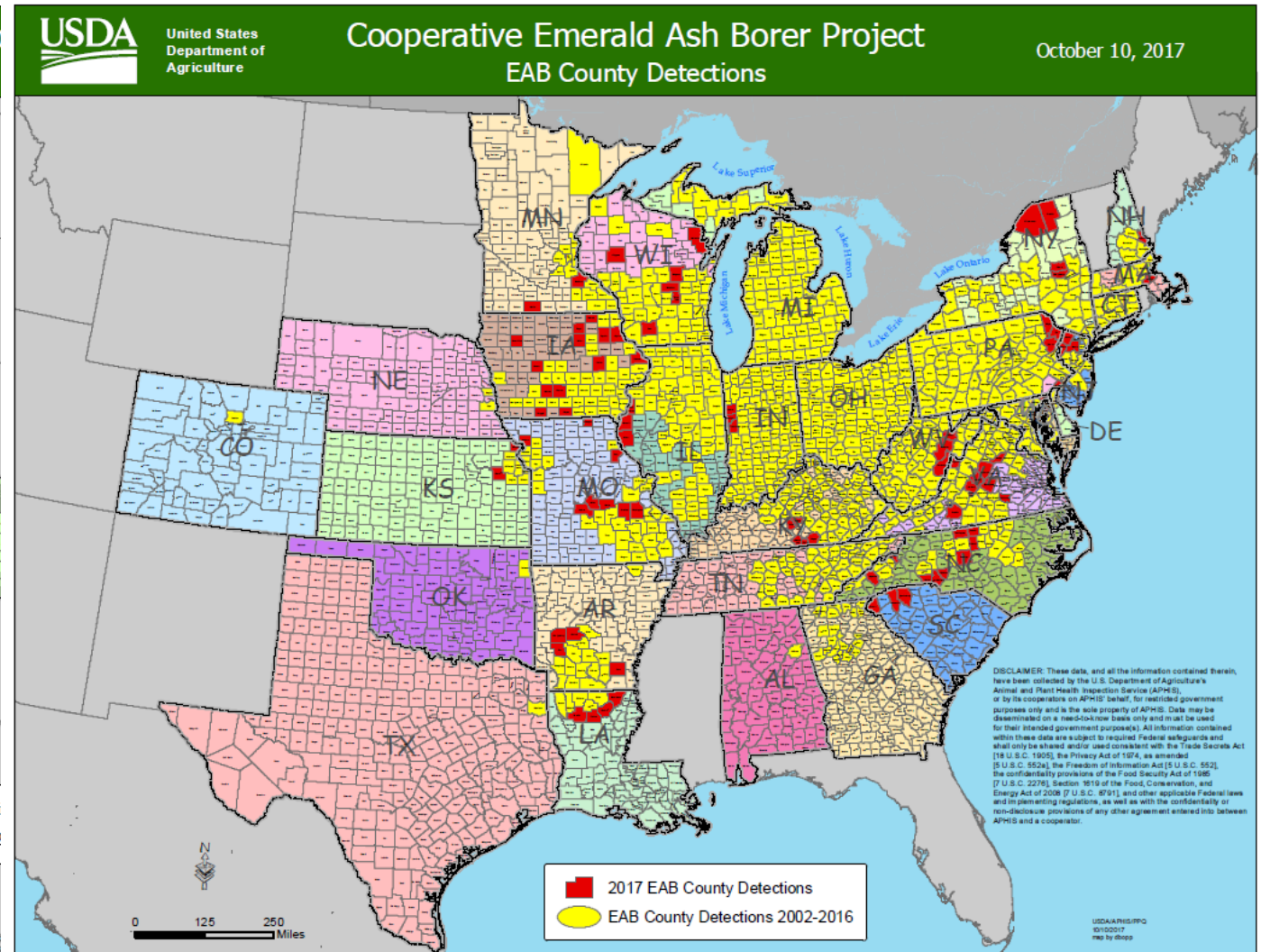
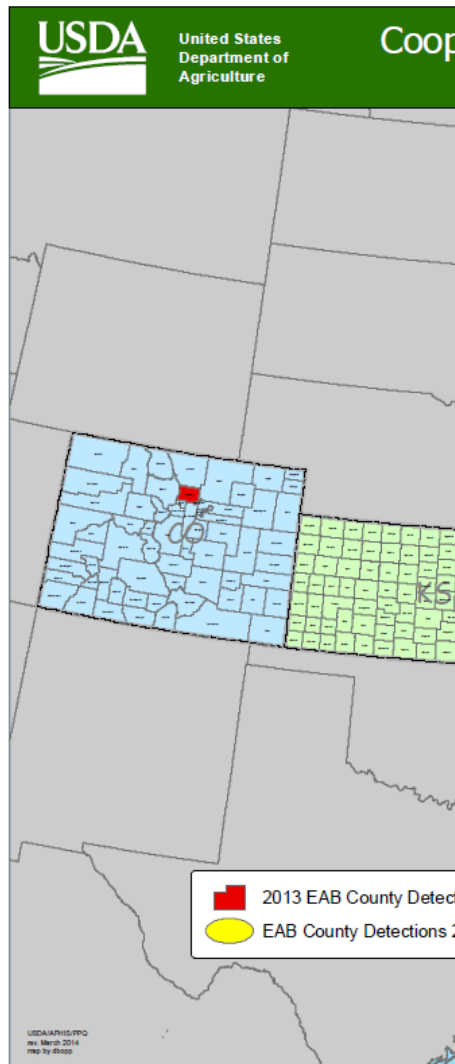


- EAB rate of detection has increased dramatically in recent years



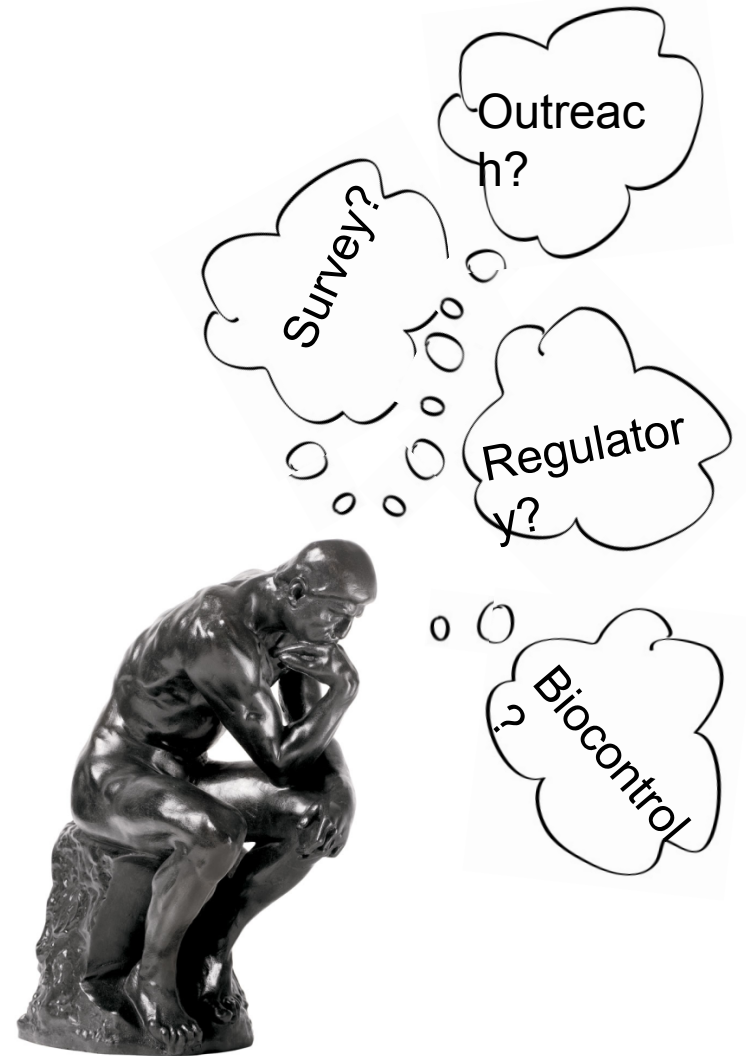


Federal Known EAB infestations, 2013 & 2017



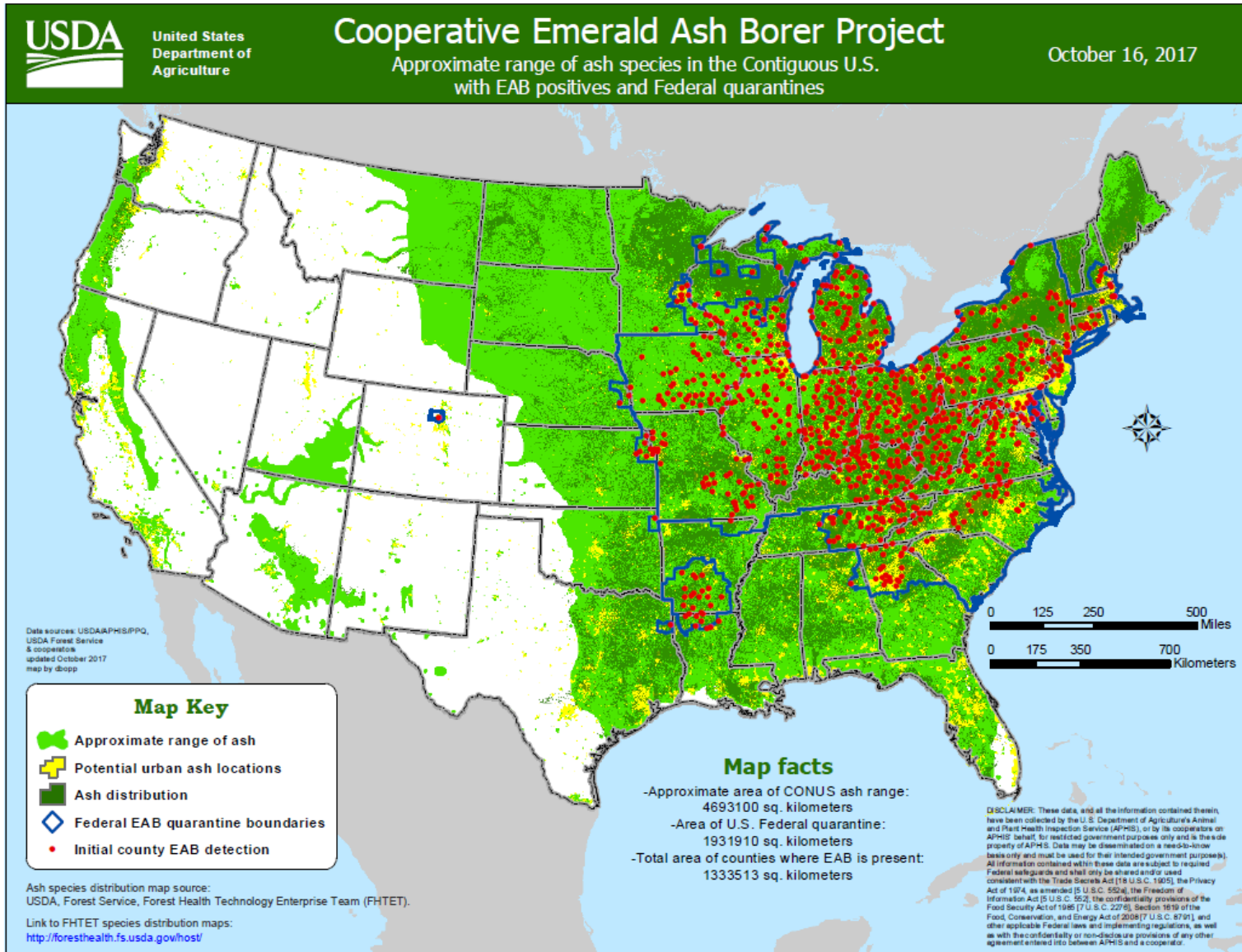


- EAB rate of detection has increased dramatically since 2002
- Large portions of country with ash resources already in regulated area





Current regulated area and ash distribution





- EAB rate of detection has increased dramatically since 2002
- Large portions of country with ash resources already in regulated area
- Personnel and resources for regulatory program have not kept pace
- Capacity to run effective regulatory program on a national level is compromised by funding constraints
- Is EAB regulatory effort best utilization of funding?





NH, EAB, PPQ & the Federal Quarantine

NH agencies have partnered with PPQ for:

- Survey
- Biocontrol
- Certification of regulated articles
- Firewood kiln certification
- Regulatory enforcement

EAB deregulation where do
we go from here?



NH & EAB in a Snapshot

- NH has significant forest resources
- Forests contribute to the state's economy
- Industries, sensitive areas, and cultural resources, impacted by EAB both in and out of state
- Exterior firewood quarantine 2011
- EAB interior quarantine 2013
- EAB multi-agency response
- Firewood for home heating & tourism
- Firewood transportation concerns beyond EAB



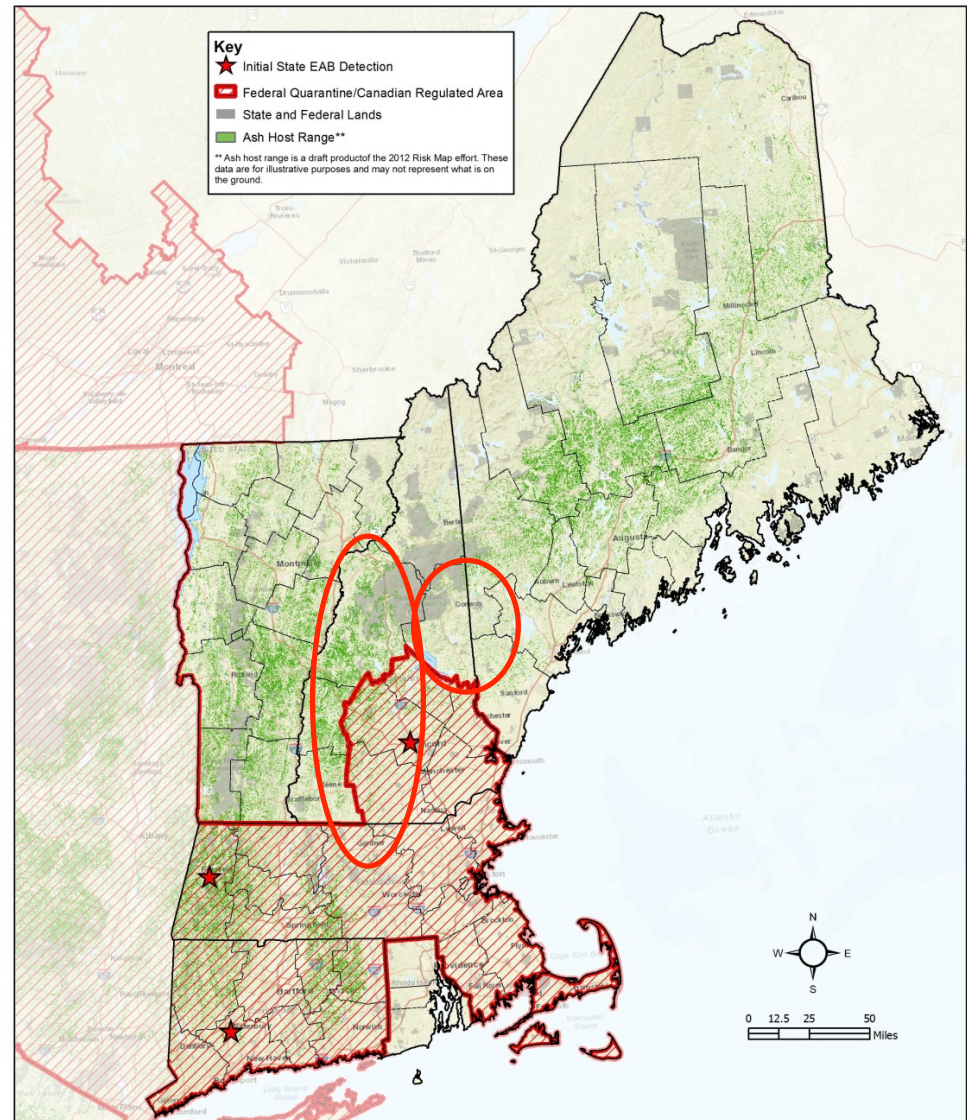


De-regulation of EAB in NH fast approaching...

- Half of NH counties are quarantined (37% land mass; 51% of towns)
- Highest density of ash not yet in EAB regulated area
- Half of the state's mills are in the EAB regulated area (47%)
- All exporters to Canada or EU already need to meet EAB requirements
- Next NH new county detection of EAB will likely dramatically change the regulatory status in the state

Preparing for de-regulation:
outreach, survey, BMPs, coping with
firewood

Emerald Ash Borer Detection in New England



USDA Forest Service
Northeastern Area, State and Private Forestry
Forest Health Protection, Durham, NH.
<http://www.na.fs.fed.us/rhp/index.shtm>

The USDA is an equal opportunity provider and employer.
September 2017 (RL)



EAB response beyond regulation: NHBugs

- Existed as a collaborative effort prior to EAB detection
- All EAB information in the state provided at this site, heavily promoted
- Will continue to provide information on treatment, identification, known populations, etc.
- Has a partner NHBugs facebook page

NHBugs
Protecting trees and forests

Main menu

- Firewood for Campers
- Invasive Insect Reporting Form
- News
- Damaging Insects and Diseases**
 - Emerald Ash Borer**
 - Asian Longhorned Beetle
 - Hemlock Woolly Adelgid
 - Elongate Hemlock Scale
 - Red Pine Scale
 - Spruce Budworm
 - White Pine Blister Rust
 - Winter Moth
 - Balsam Woolly Adelgid
 - Gypsy Moth
 - Oak Wilt
 - Native Insects & Diseases
- Photo Gallery

Damaging Insects and Diseases

Emerald Ash Borer

Emerald Ash Borer (EAB) was found in Concord in March 2013, and the [list of towns with known infestations](#) continues to grow. As a non-native insect, EAB lacks predators to keep it in check. EAB attacks ash trees and infested trees die within 3 to 5 years. Help protect New Hampshire's ash trees. [A quarantine of all hardwood firewood, ash wood-products and all ash nursery stock is in effect for Belknap, Hillsborough, Merrimack, Rockingham and Strafford counties.](#)

Report a suspect tree or insect | **Caring for ash trees & managing forests**

Identify emerald ash borer, ash trees & learn more | **Quarantine & compliance agreements**

Receive bug updates | **Firewood**

Get Involved: attend a meeting or order handouts | **Information for towns and cities**

Infestation Location & Management Zones

Generally infested area
Emerald ash borer is in this zone, though not necessarily in all ash trees.

Potential expansion area
Emerald ash borer isn't known to be in the area, but the area is within 10 miles of the outer limits of the known infestation. There is a high probability emerald ash borer will spread naturally to this zone within a few years.

Alert area
Emerald ash borer isn't known to be in the area and it is more than 10 miles from the known infestation.

LEARN
about forest pests

NHBugs
28 minutes ago
Ever wonder why fireflies light up??
#insectarecool #biologyscience



Cooperating agencies:



[Civil Rights Statement](#)



EAB response beyond regulation: BMPs

- Developed recommendations for moving material within the EAB regulated area
- Will continue to promote and develop BMPs for industry
- Industry buy-in for use of BMPs

STATE OF NEW HAMPSHIRE ASH WOOD MOVEMENT WITHIN EMERALD ASH BORER QUARANTINE

Best Management Practices for proper handling



Signs of EAB: "S" shaped tunnels under the bark and shallow woodpecker excavation (blonding)

We need your help to slow the spread of this tree killing pest. Moving infested ash brings EAB to new woodlots and trees.

The EAB quarantine prohibits movement of hardwood firewood and all ash products out of the quarantine area unless specific conditions are met; whether or not materials show signs of infestation.

Within the quarantine area infested sites are currently limited and widespread with the vast majority of ash forests unaffected. To minimize EAB spread within the quarantine area movement of ash products should be handled according to the recommendations on the reverse side of this sheet.

You can help minimize the risk of spreading EAB within the quarantine area by:

1. Delivering ash wood within 5 miles of its origin; OR
2. Transporting ash firewood or logs to a kiln or mill, after October 1 for processing before May 1; OR
3. Cutting and seasoning ash at its place of origin for 12 months before distribution; OR
4. Chipping ash material to 1" size chips in two of three dimensions; AND
5. Notifying all recipients that there is a risk of infestation from this material and it should be burned, chipped, sawed into lumber, or heat treated by May 1 of the following year.

Shippers may use this page for documentation of BMPs:

Shipper: _____

of BMP employed: _____

Delivery Location: _____

Date Delivered: _____



For more details please call
603-464-3016 and visit
nhbugs.org

New Hampshire
Department of Agriculture,
Markets & Food



EAB response beyond regulation: Firewood

- Variety of formats: signs, billboards, posters, articles, ads, social media
- Emphasis on personal responsibility to protect NH forests
- Emphasis on finding locally-sourced firewood using Firewood Scout





NH Firewood Risk: Cooperative Project

- Provide NH-specific information about risk, & develop BMPs for ash firewood based on timing of harvest and seasoning
- Partnership between private industry, USFS, DAMF, & DNCR
- Harvest 10 trees each from infested location: May, July, September, November, 2016
- Process using standard techniques & equipment in NH
- Approx. 10,000 pieces of firewood included in study
- Sampled 60% immediately, at harvest
- 5% caged / reared out
- Seasoned 35% to sample later: May / June, July, September / October, 2017
- Data entry & analysis in progress





NH Firewood Risk: Cooperative Project





In Short...

- EAB populations have continued to spread nationally, and locally in NH
- Natural spread and non-commercial transportation of EAB infested materials are not well addressed through regulation
- Limited resource availability dictates the scope of EAB response
- It is reasonable to assess, at both the federal and state level, the focus and direction of the EAB program, however...

All Things Considered...

- EAB will continue to require a response at the federal and state levels even in the absence of a regulatory program
- Special consideration should be given to the inter-state movement of firewood given the role of firewood transportation in the spread of EAB & other invasive pests



- Assistance with state-based survey by supplying traps and lures
- Developing & supplying biocontrol agents
- Continued efforts with outreach
- Continued certification of firewood kilns for inter-state transportation of firewood
- Efforts / leadership on inter-state firewood transportation requirements



THANK YOU!



Ossipee Mountain Firewood™
Kiln Dried, Insect Free, Northern Hardwoods

Processed and Packaged in Tamworth, NH USA



Heat-treated firewood certified to achieve standards of a minimum wood core temperature of 160° F for 75 min (NH Dept. of Agriculture, Markets & Food Compliance Agreement #: 08202012PS).

Certified firewood is "New York: Approved Treated Firewood/ Pest Free" and meets the DEC treating requirements of 6 NYCRR Section 192.5.

PLU2059
Contents: .75 Cubic Foot



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