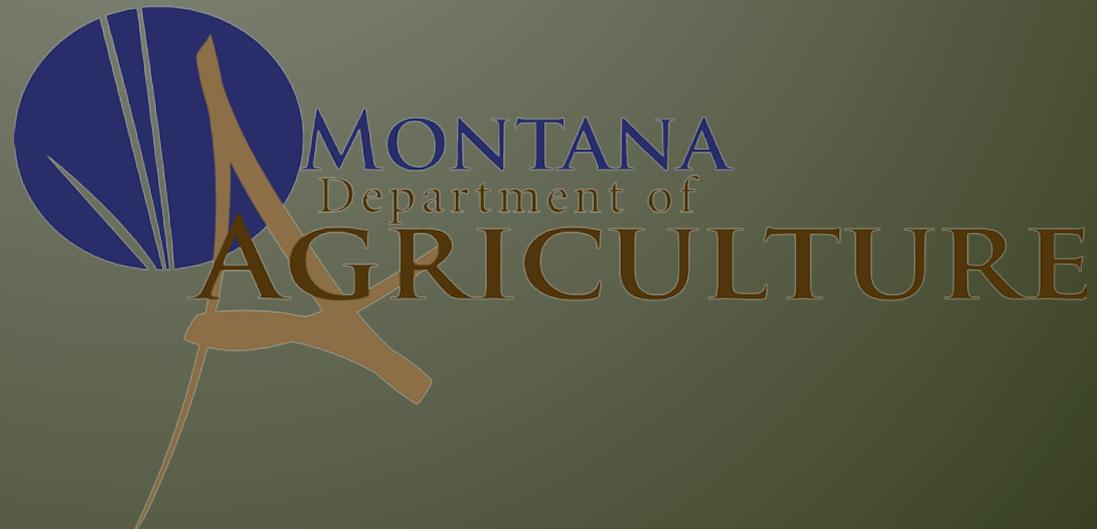


# MONTANA EAB RESPONSE PLAN

*Ian Foley, Montana Department of Agriculture*

*406-444-9454*

*ifoley@mt.gov*



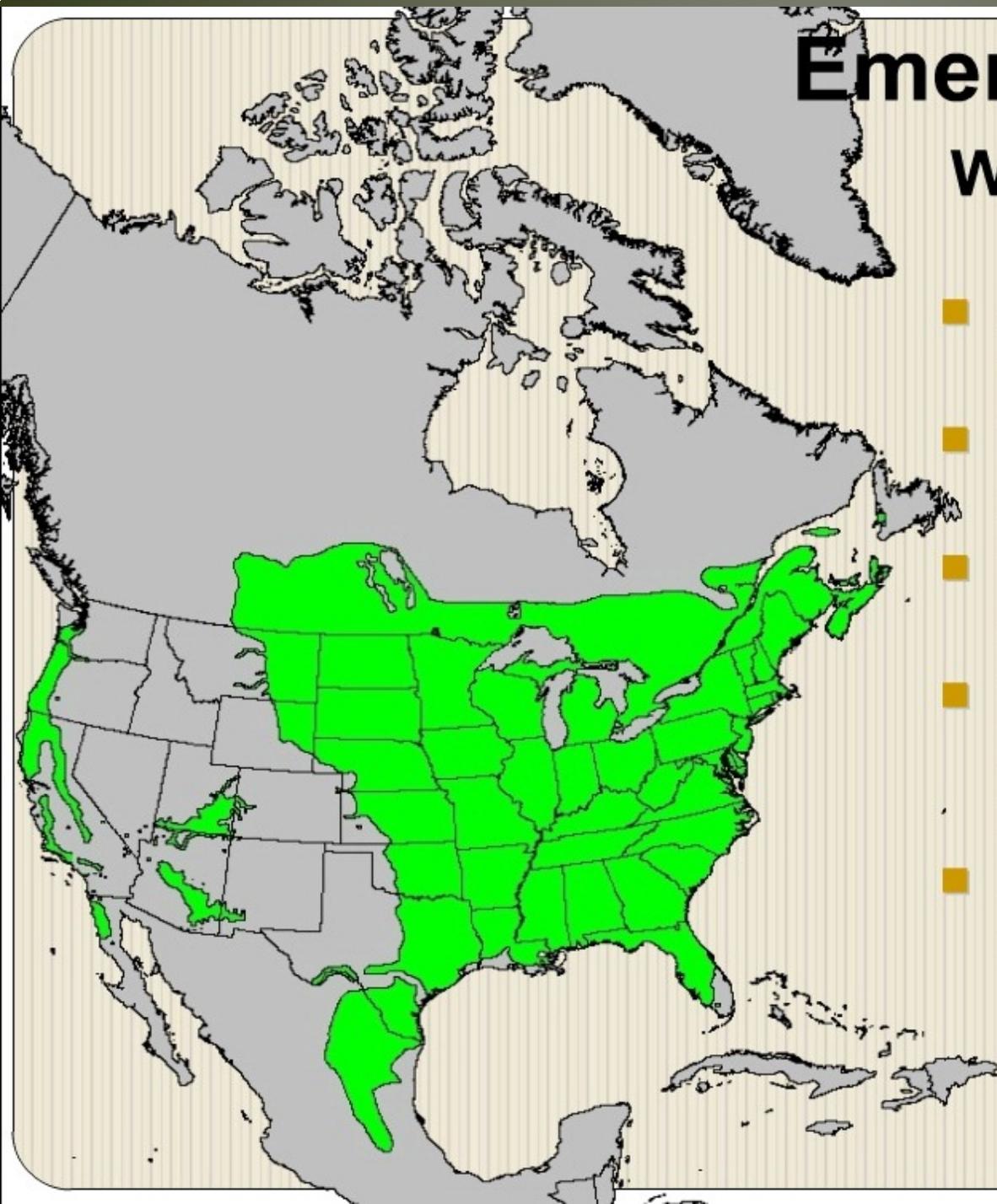
# EAB RESPONSE PLAN



# Emerald Ash Borer

## What's at stake?

- Ash resources in the country and continent
- Removal of ash from the ecosystem
- Up to 2% loss of the country's total leaf area
- Potentially \$50-60 billion in economic losses nationwide
- More than 8 billion forest & woodland ash trees





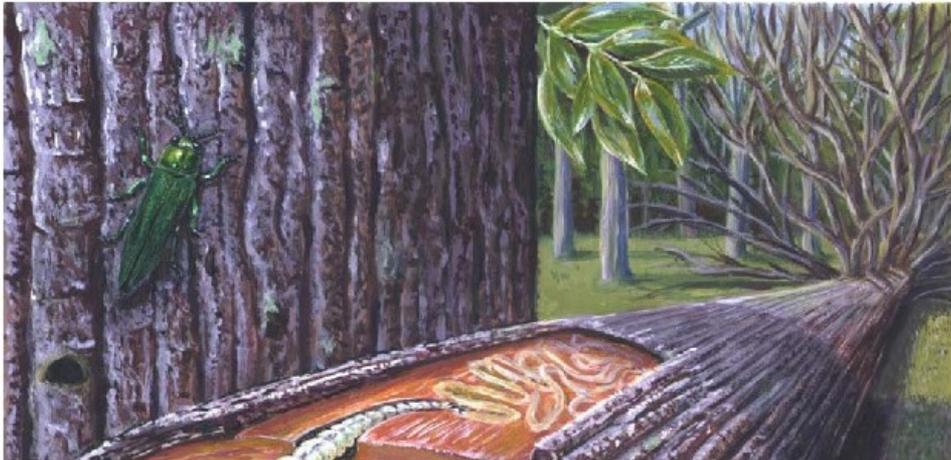
Marketing and  
Regulatory  
Programs

Animal and  
Plant Health  
Inspection Service

Cooperating State  
Departments of  
Agriculture

# Emerald Ash Borer Program Manual

*Agrilus planipennis* (Fairmaire)



## APHIS EAB Funds

FY05	\$23,836,030
FY06	\$24,997,551
FY07	\$22,611,000
FY08	\$24,694,000
FY09	\$34,630,000
FY10	\$37,262,000
FY11	\$33,538,000
FY12	\$26,841,000
FY13	\$10,657,000
FY14	

# REGULATORY ACTIONS: DETECTION

- 1) USDA-APHIS-PPQ will confirm positive NEW IN STATE identification of EAB.
  - Suspect EAB sample sent to APHIS identifier with PPQ form 391
    - Dr. James Zablotny, PPQ in Romulus, Michigan
  - Confirmation by USDA Systematic Entomology Laboratory (SEL)
  - USDA National Identification Service (NIS) reports POSITIVE detection to the State Plant Health Director (SPHD, USDA, Helena) and State Plant Regulatory Official (SPRO, MDA, Helena)
- 2) National EAB Policy Manager, National EAB Operations Manager, SPHD and SPRO develop communication plan to notify press and other interested parties.



# HISTORY OF EAB SURVEY ACTIVITIES IN MONTANA

- Part of the CAPS (Cooperative Agricultural Pest Survey) Program
  - Participation from USDA-APHIS-PPQ, MDA, DNRC, MSU Extension, USFS, tribes, cities, etc.
- First visual surveys for EAB conducted in 2006
- National purple panel trapping started in 2008
  - 200 purple panel traps placed in Montana
  - 2008, 2009, 2010, 2011
- Risk based trapping model 2012-2014
  - 200 traps total
  - 85 risk model polygon traps (native ash)
  - 115 traps at state determined high risk sites

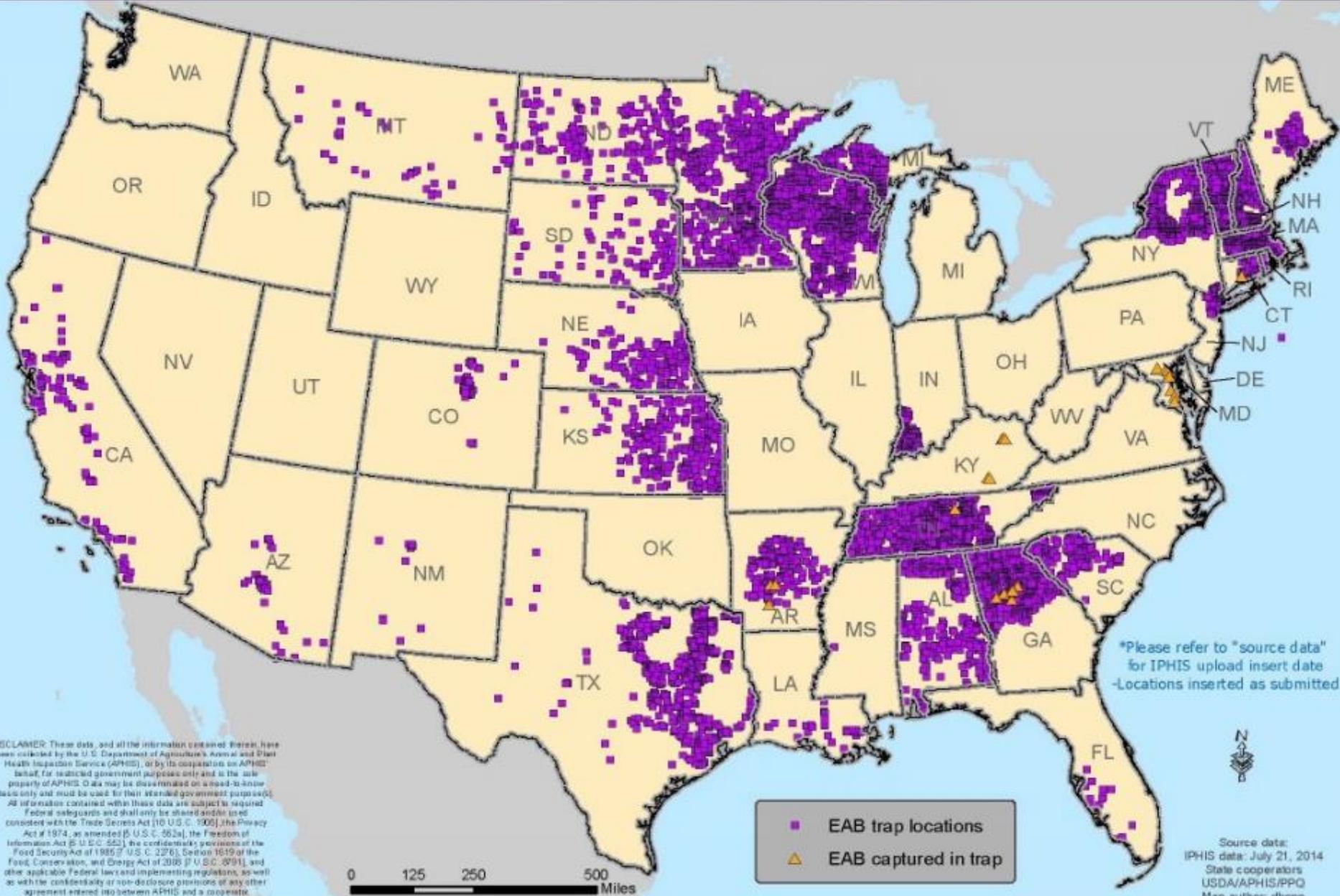




United States  
Department of  
Agriculture

# Cooperative Emerald Ash Borer Project

2014 Season trap locations as reported July 23, 2014\*

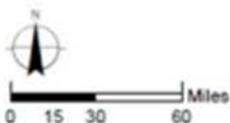
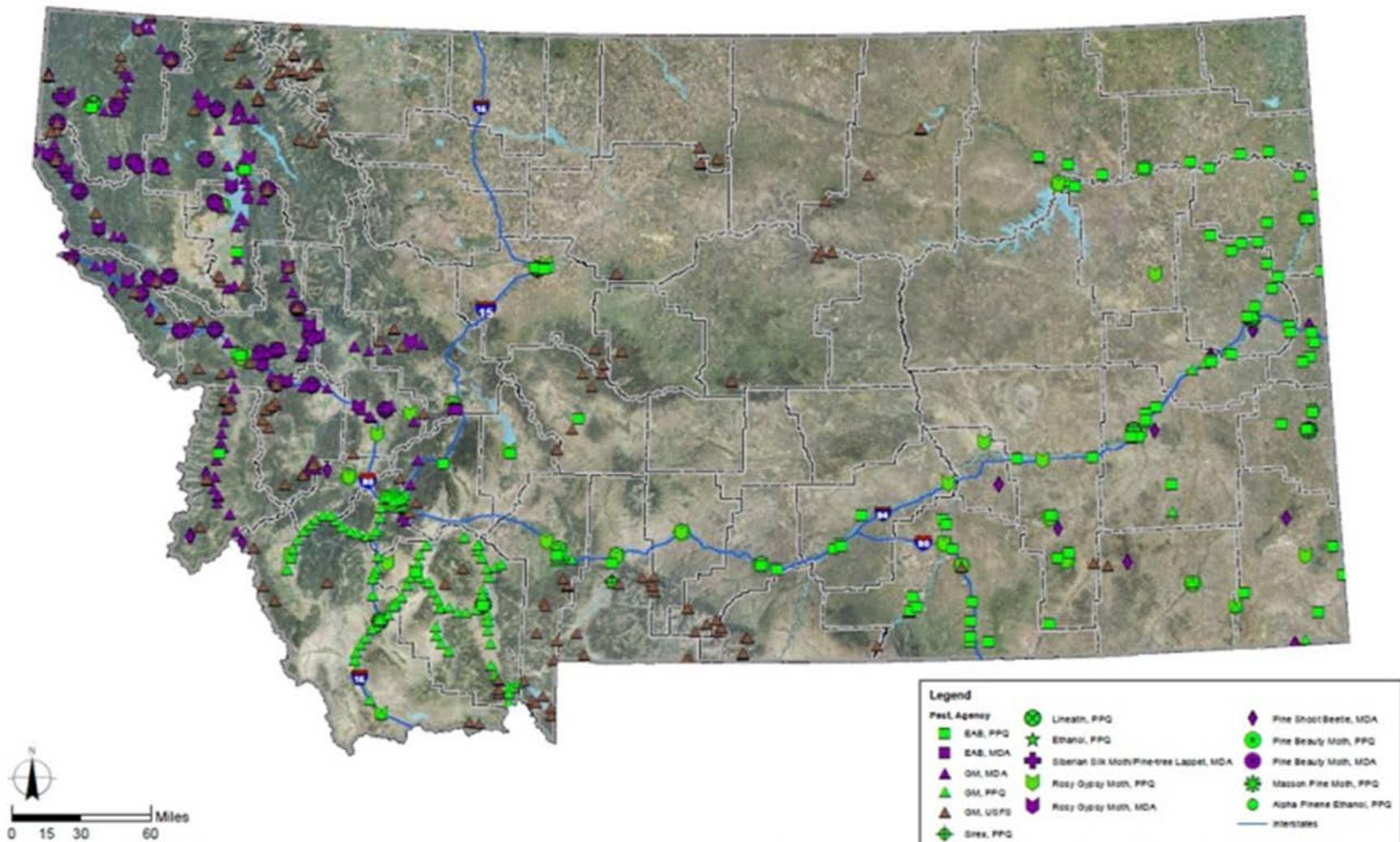


DISCLAIMER: These data, and all the information contained therein, have been collected by the U.S. Department of Agriculture's Animal and Plant Health Inspection Service (APHIS), or by its cooperators on APHIS' behalf, for restricted government purposes only and is the sole property of APHIS. Data may be disseminated on a need-to-know basis only and must be used for their intended government purposes. All information contained within these data are subject to required Federal safeguards and shall only be shared and/or used consistent with the Trade Secrets Act (16 U.S.C. 1905), the Privacy Act of 1974, as amended (5 U.S.C. 552a), the Freedom of Information Act (5 U.S.C. 552), the confidentiality provisions of the Food Security Act of 1985 (7 U.S.C. 2276), Section 1619 of the Food, Conservation, and Energy Act of 2008 (7 U.S.C. 2291), and other applicable Federal laws and implementing regulations, as well as with the confidentiality or non-disclosure provisions of any other agreement entered into between APHIS and a cooperator.

# EAB SPECIFIC FUNNEL TRAPS



# 2013 Montana Cooperative Forest Pest Trapping



# REGULATORY ACTIONS: QUARANTINE

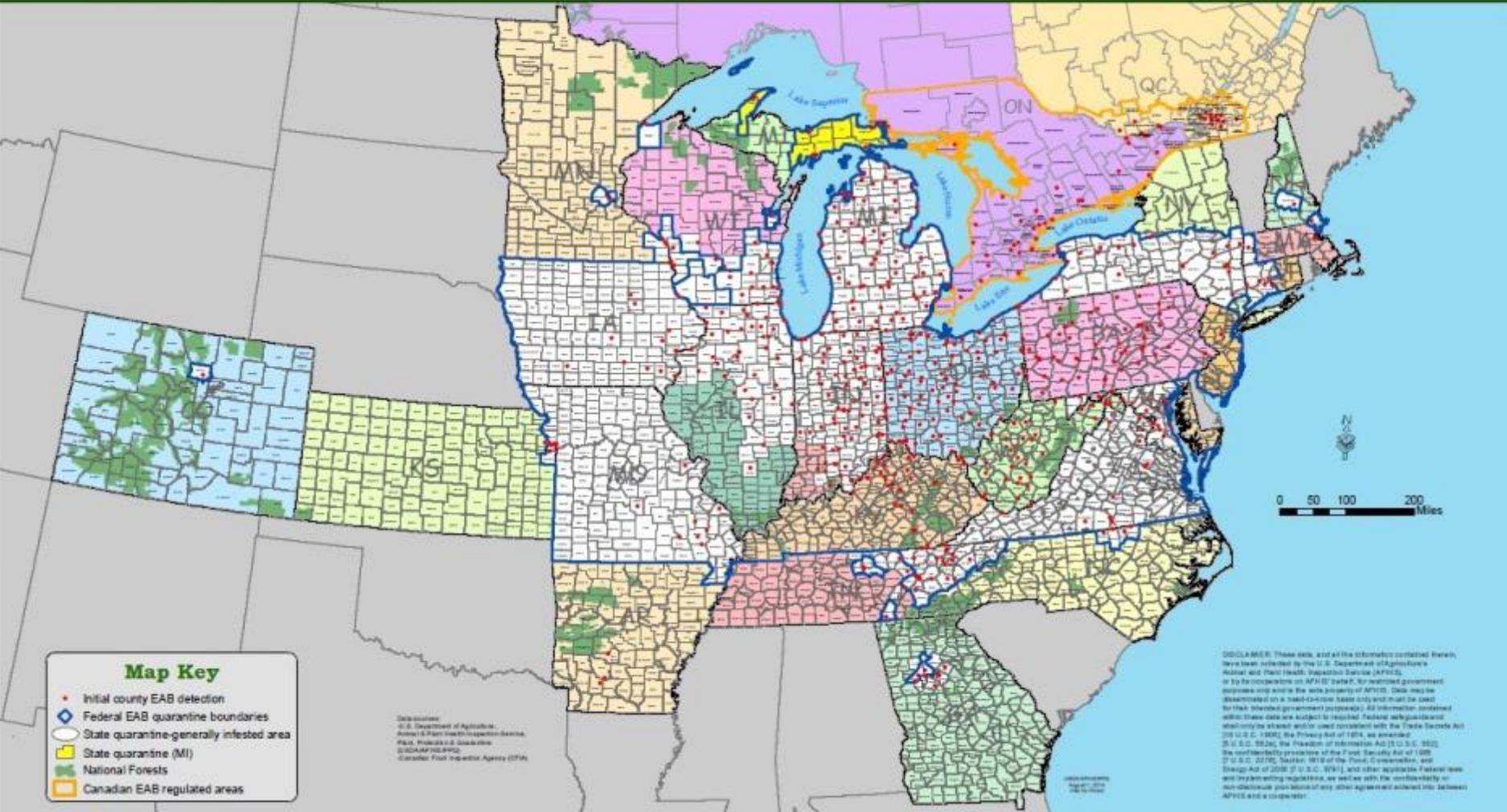
- 3) Montana Department of Agriculture will adopt a State Interior Quarantine to protect other areas of Montana from the spread of EAB (MCA 80-7-402)
- 4) USDA-APHIS will adopt a matching Federal Quarantine to protect other states from the spread of EAB from Montana (Plant Protection Act of 2000)
  - Regulated articles will include ash wood, logs, mulch, nursery stock, and all non-coniferous firewood.





# Cooperative Emerald Ash Borer Project

Initial county EAB detections in North America



### Map Key

- Initial county EAB detection
- ◆ Federal EAB quarantine boundaries
- State quarantine-generally infested area
- State quarantine (MI)
- National Forests
- Canadian EAB regulated areas

Data sources:  
 U.S. Department of Agriculture,  
 Animal & Plant Health Inspection Service,  
 Plant Protection & Quarantine  
 (APHIS/PPQ)  
 Canadian Food Inspection Agency (CFIA)

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# SURVEY: DELIMITATION AND DETECTION

- 5) The Montana Cooperative Agricultural Pest Survey (CAPS) program will complete radial delimitation surveys around the first positive detection. Delimitation surveys will be a cooperative effort involving federal, state, university, and local government personnel as well as private residents and industry participants.
  - 4) Funding for delimitation surveys COULD be available from USDA APHIS to cooperators.
- 6) Based on the results of the delimitation survey additional detection surveys will likely be initiated in other high-risk areas.
  - Funding for additional high-risk detection surveys COULD be available from USDA APHIS to cooperators.

# REGULATORY ACTIONS: ONGOING

- 7) MDA and USDA will maintain Quarantine boundaries based on additional positive and negative survey results.
- 8) USDA PPQ will establish Compliance Agreements with businesses, municipalities, and private residences moving and disposing of regulated articles.
  - Typically nurseries, landscapers, arborists, landfills, and transfer stations.

According to the Paperwork Reduction Act of 1995, no persons are required to respond to a collection of information unless it displays a valid OMB control number. The valid OMB control numbers for this information collection are 0579-0054, 0088, 0129, 0193, 0238, 0257, 0306, 0310. The time required to complete this information collection is estimated to average 1.25 hours per response, including the time for reviewing instructions, searching existing data sources, gathering and maintaining the data needed, and completing and reviewing the collection of information.

FORM APPROVED  
OMB NUMBER 0579-0054  
0564-0058-0129-0193-0238-0257-0306-0310

UNITED STATES DEPARTMENT OF AGRICULTURE ANIMAL AND PLANT HEALTH INSPECTION SERVICE PLANT PROTECTION AND QUARANTINE		COMPLIANCE AGREEMENT
1. NAME AND MAILING ADDRESS OF PERSON OR FIRM	2. LOCATION	
3. REGULATED ARTICLE(S) All ash ( <i>Fraxinus</i> sp.) material must be processed and/or documented in accordance with Federal Emerald Ash Borer quarantine requirements prior to exiting Federal quarantine boundaries. Regulated material includes, but is not limited to: ash nursery stock, ash logs, ash lumber, hardwood firewood (non-coniferous), ash chips/mulch, wood packing material constructed with ash.		
4. APPLICABLE FEDERAL QUARANTINE(S) OR REGULATIONS 7 CFR 301.53 Emerald Ash Borer ( <i>Agilus planipennis</i> ), State of ____ EAB Interior Quarantine		
5. I / WE AGREE TO THE FOLLOWING: This establishment will ship regulated ash material from a Federal quarantine area ONLY after applicable treatments/ mitigations are completed at the establishment's expense. Explanations and schedules are detailed in attached addendum. Regulated articles that have undergone an approved treatment or mitigating process may be shipped throughout the year. This establishment will ensure that each shipment of regulated material moved interstate is accompanied by a completed Federally issued Certificate or Federally issued Limited Permit. All Federal forms are accountable and will be handled according to USDA requirements. This establishment will handle the following regulated article(s): (check all applicable) <input type="checkbox"/> Ash logs <input type="checkbox"/> Ash lumber (green) <input type="checkbox"/> Hardwood firewood (non-coniferous) <input type="checkbox"/> Ash chips/ mulch <input type="checkbox"/> Wood packing material constructed with ash <input type="checkbox"/> Other (specify) _____ Treatment/ Mitigation (check all applicable) <input type="checkbox"/> 1. Remove the bark and an additional 1/2 inch of wood. <input type="checkbox"/> 2. Kiln sterilization <input type="checkbox"/> 3. Fumigation <input type="checkbox"/> 4. Heat Treatment <input type="checkbox"/> 5. Chip or Compost <input type="checkbox"/> 6. Safeguarding (transport) <input type="checkbox"/> 7. Facility outside of quarantine area <input type="checkbox"/> 8. ISPM-15 for ash lumber in wood packing material.		
6. SIGNATURE	7. TITLE	8. DATE SIGNED
The affixing of the signatures below will validate this agreement which shall remain in effect until canceled, but may be revised as necessary or revoked for noncompliance.		9. AGREEMENT NO.
		10. DATE OF AGREEMENT
11. PPQ/CBP OFFICIAL (NAME AND TITLE)		12. ADDRESS

# REGULATORY ACTIONS: CONTROL



# REGULATORY ACTIONS: CONTROL

## 10) Tree removals

- Not a part of APHIS or MDA response plan

## 11) Treatments

- Not a part of APHIS or MDA response plan

## 12) Tree planting

- Not a part of APHIS or MDA response plan

**It is unlikely that funding from USDA APHIS or MDA will be available for control activities. There may be opportunities for grant projects through USFS, DNRC, or non-governmental organizations.**

**“Since cost effective control options to eradicate or prevent dispersal are not available at this time, it is recommended that authorities plan and prepare for an infestation of emerald ash borer. Examples of preparedness or response plans for states may be found at:  
<http://www.emeraldashborer.info/communityplan.cfm>”**

# OUTREACH AND EDUCATION



# LEAVE HUNGRY PESTS BEHIND

- [HOME](#)
- [THE THREAT](#)
- [THE SPREAD](#)
- [WHAT YOU CAN DO](#)

## Quick Links

- [U.S. PestTracker](#)
- [See How They Spread](#)
- [Frequently Asked Questions](#)
- [Press Room](#)
- [Public Service Announcement](#)

Connect:

**THEY CALL ME INVASIVE SPECIES!  
DO I LOOK INVASIVE?**

Our new national campaign is spreading the word about the threat and reminding everyone to "Leave Hungry Pests Behind."

[SEE THE SPOTS >](#)

## KEEP UP WITH THE THREAT

### NEWS



04/03/14  
[Help stop the coconut rhinoceros beetle \(CRB\)](#)



04/03/14  
[April is Invasive Plant Pest and Disease Awareness Month . . .](#)

[PRESS ROOM](#)

## Montana

### ON ALERT:

- Pests to watch for:
- [Asian Longhorned Beetle](#)
  - [Emerald Ash Borer](#)
  - [European Gypsy Moth](#)
  - [Khapra Beetle \(wp\)](#)



[VIEW STATE DETAILS](#)

[VIEW U.S. PEST TRACKER](#)

## Our Most Recent Video

Invasive Pests on International Trade



**HungryPests**  
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**THE THREAT**

**WHAT YOU CAN DO**

**WHAT WE'RE DOING**

# EDUCATION AND OUTREACH FOR NATIONAL EAB WEEK 2014



Please leave this tag up until \_\_\_\_/\_\_\_\_/\_\_\_\_

**THIS ASH TREE IS AT RISK OF BEING KILLED BY THE EMERALD ASH BORER.**



FOR INFORMATION ON HOW YOU CAN BEST MANAGE YOUR ASH TREES, VISIT:

**[www.emeraldashborer.info](http://www.emeraldashborer.info)**

Emerald Ash Borer was found in Colorado in 2013. EAB can move long distances in firewood, visit:

**[www.dontmovefirewood.org](http://www.dontmovefirewood.org)**



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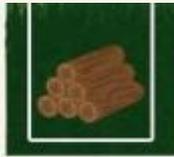
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### The Problem

[FAQs and General Information](#)

[State-by-State Information](#)

[Games](#)

[What You Can Do](#)

[Activities](#)

[Firewood Finder](#)

[Become a Collaborator](#)

[Request a Free DVD](#)

[Animated Banner Ads](#)

[Greenways Request Form](#)

[That's What Tree Sold Campaign](#)

[Videos](#)

[No Mueva la Leña](#)

[Holiday Greenery](#)

### VIEW THE GALLERY



Get to know the pests that are destroying our forests.

[visitmt.com](http://visitmt.com)

[Report a Pest](#) [About](#) [Contact](#)

JOIN US ON: [f](#) [t](#) [YouTube](#) [g+](#)

Search Keywords

[THE PROBLEM](#)

[GALLERY OF PESTS](#)

[BLOG](#)

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[RESOURCES](#)

Home > The Problem

## Montana Campaign

In 2009, [dontmovefirewood.org](http://dontmovefirewood.org) and the Montana Department of Natural Resource Conservation, Forestry Division, joined forces to create a campaign to keep out of state visitors from bringing firewood into Montana. With an *Emerald Ash Borer Education and Outreach* grant provided by USDA APHIS Plant Protection and Quarantine, Montana was able to cover the creation and distribution costs for their campaign, while [dontmovefirewood.org](http://dontmovefirewood.org) staff aided by providing customized versions of our artwork and consulting on the text and messages.

As of February 2009, this campaign includes:



**SENDING 30,000 POSTCARDS TO NON-RESIDENT HUNTING AND FISHING LICENSE REGISTRANTS** Sending 30,000 postcards to non-resident hunting and fishing license registrants (view postcard). Many of these registrants reside in regions currently infested with emerald ash borer, sirex wood wasp, and Asian long-horned beetles.



**AD SPACE IN THE DEER, ELK, AND ANTELOPE STATE OF MONTANA HUNTING REGULATIONS (2010)** Ad space in the Deer, Elk, and Antelope State of Montana Hunting Regulations (2010), which reaches 300,000 hunters (view advertisement). The print regulations are



distributed

Produced by

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### FROM OUR BLOG

**April 09, 2013**  
The Asian gypsy moth problem

**March 28, 2013**  
Compressed wood, fake logs, pellets, and more

**March 20, 2013**  
Press Release: Look for Pests During Spring Garden and Backyard Cleanup

[Read more >](#)



# ANY QUESTIONS OR DISCUSSION?

*Ian Foley, Montana Department of Agriculture*

406-444-9454

[ifoley@mt.gov](mailto:ifoley@mt.gov)

