

# **Invasives Response Panel**

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# **Invasive Insects:**

**research, extension, advisory**

**Research and education programs for  
quarantined insects**

**National EAB Science Advisory Panel**

**Ohio EAB Advisory Panel**



# Key Challenges:

**Research and policy:** decision making with limited data

**Communication:** regulatory issues create complex messages for diverse interest groups

## EAB policy challenge:

Never before have we been forced to confront such a devastating insect while armed with so little information.

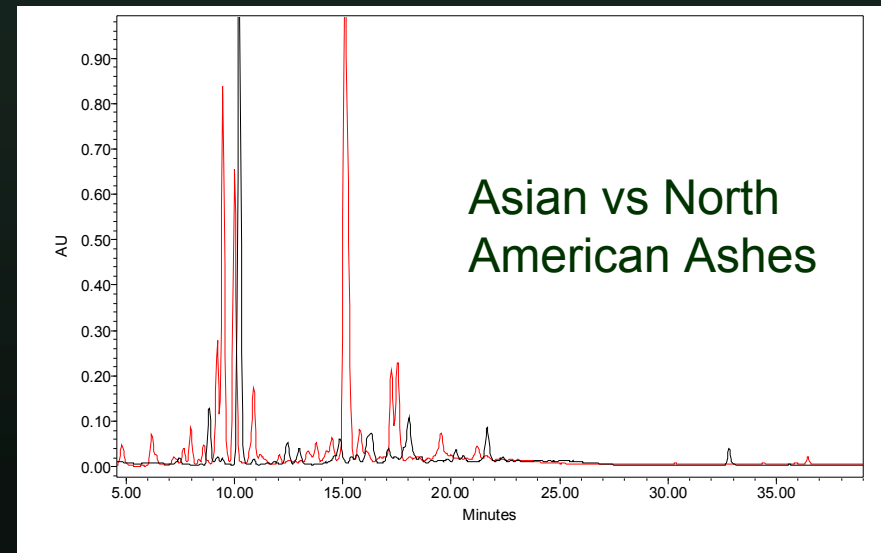


## EAB research challenge:

- Life cycle and biology
- Dispersal and rate of spread
- Natural enemies
- Monitoring and traps
- Insecticides
- Survival in firewood / logs / chips
- Ecological impacts

# My EAB research program:

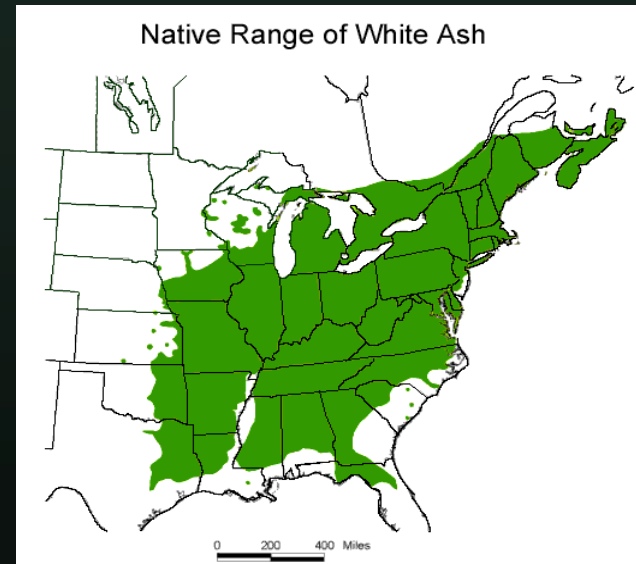
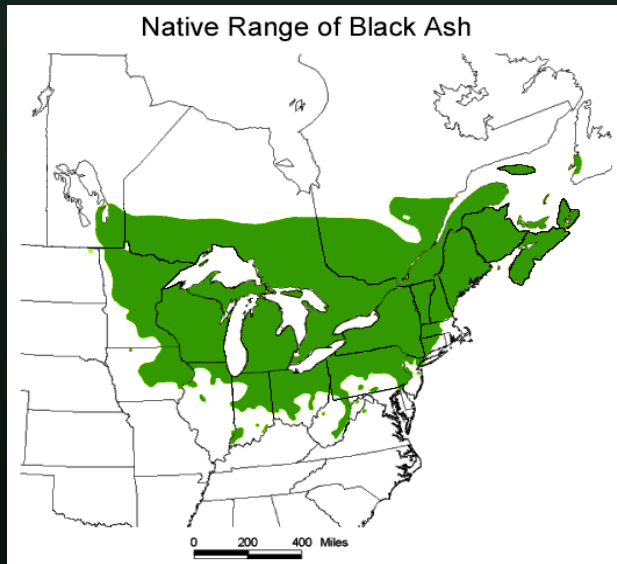
- Insecticides and application methods
- Ash resistance / susceptibility
- Remote sensing: rate of spread
- Forest susceptibility to invasion
- Ecological impacts in forests



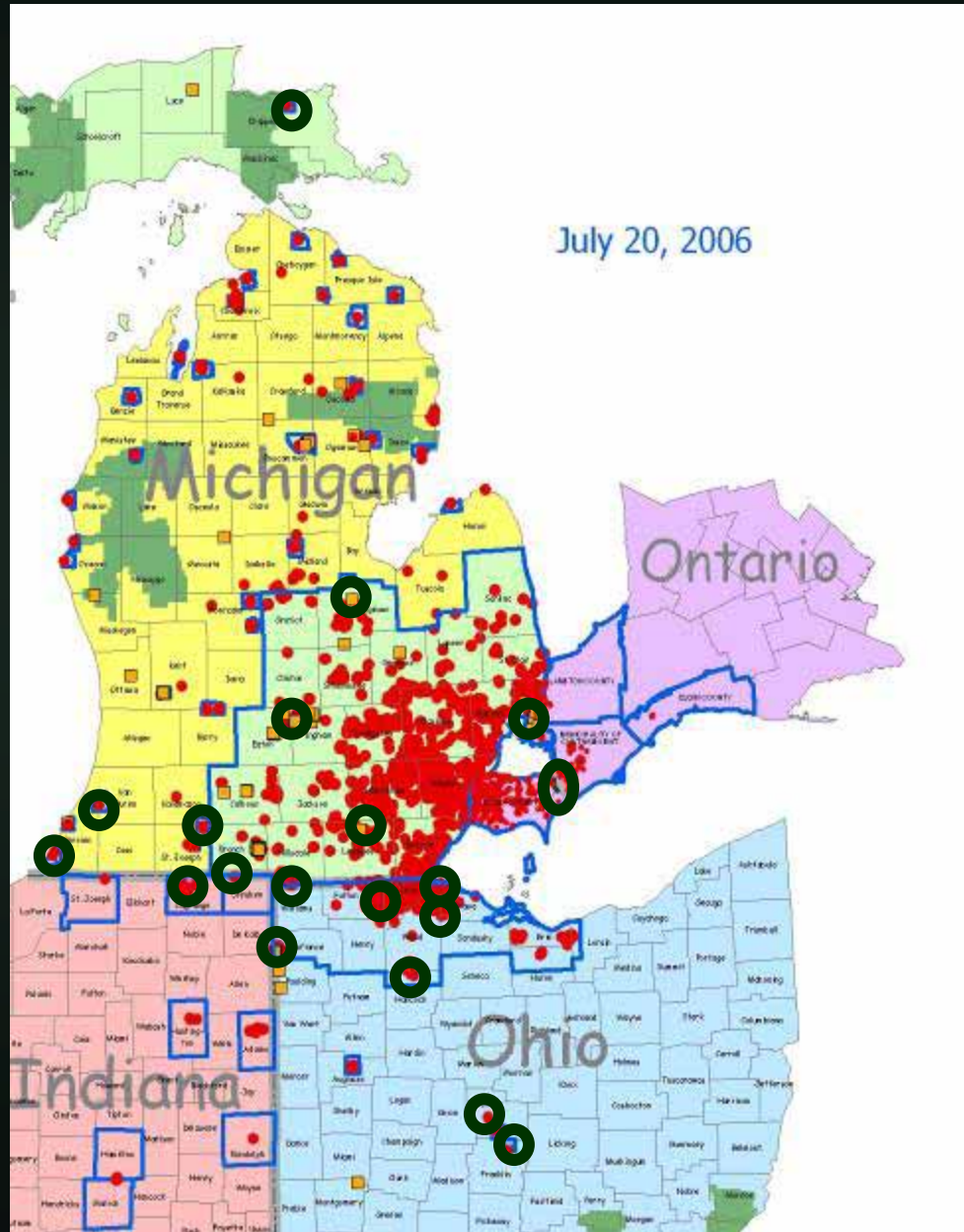
# Outreach and communication challenge: everybody has a stake

- Home owners
- Taxpayers
- Policy makers
- Resource managers (urban forests, parks)
- Green industry
- Conservation groups
- Forest products industry

# Eradication cuts and property rights



# Sites of EAB eradication cuts



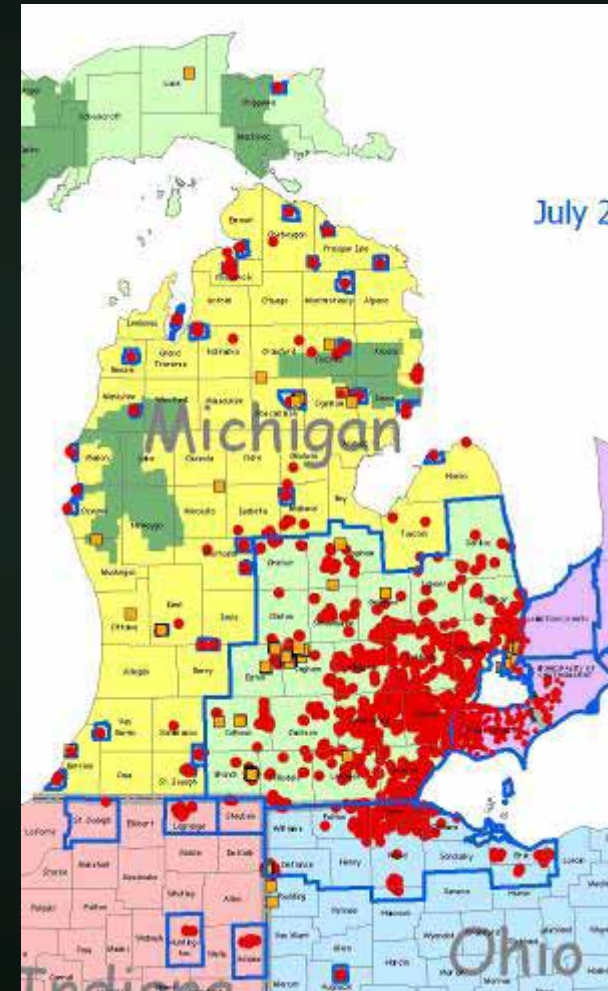
# Are insecticides effective?

## Two objectives:

1. Eradication: **no**
2. Tree protection: **yes (in some cases)**

# Two-tiered Insecticide Recommendation:

1. **Outside of quarantine zones:** recommend that trees not be treated.
2. **Inside quarantine zone:** annual insecticide treatments are an effective option.



Lesson learned: when millions of trees die,  
think exotic

