

# INVASIVE FOREST & TREE PESTS

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# Invasive Forest and Tree Pests

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# Montana Resources at Risk



Forested landscapes  
Timber and fiber  
Community plantings  
Shelterbelts  
Wildlife habitat  
Riparian corridors  
Recreation and tourism

# MT Invasive Forest and Tree Pests

## Established

- Larch casebearer
- White pine blister rust
- Balsam wooly adelgid

## Threats

- Spongy moth
- Asian longhorned beetle
- Emerald ash borer





*Image: Scott Tunnock*



*Image: Rick Moore*

## Larch Casebearer

### Western larch

Introduced from Europe  
Discovered in Idaho in 1957  
Common in NW Montana



Image: Scott Tunnock



Image: Rick Moore

## Larch Casebearer

Impact – defoliates western larch (deciduous)  
Management - controlled by parasitic wasp,  
*Agathis pumila*

# White Pine Blister Rust

5-needle pines

Origin - Asia

Impact – branch/tree mortality

Whitebark listed as “threatened”

Management – prune infected limbs  
resistance breeding



# Balsam Wooly Adelgid

Grand and subalpine fir  
Origin – Europe  
Intro to Pacific NW 1930's





# Balsam Woolly Adelgid

Impact – gradual decline  
and mortality

Impact in  
Intermountain West?

Distribution in MT?





Image: Chris Foelker



Image: Sage Sutcliffe

## Spongy Moth

Diverse host range: >300 species

larch, maple, oak, apple

Origin – Europe, intro to North America 1869



Image: Chris Foelker



Image: Sage Sutcliffe

## Spongy Moth

Impacts – severe defoliation  
nuisance

EDRR – statewide trapping program

# Asian Longhorned Beetle

Host - maple

Origin - Asia

Impact – tree mortality

community plantings

sugarbushes

Native pine sawyer look-alike



*Image:  
Peggy Greb*

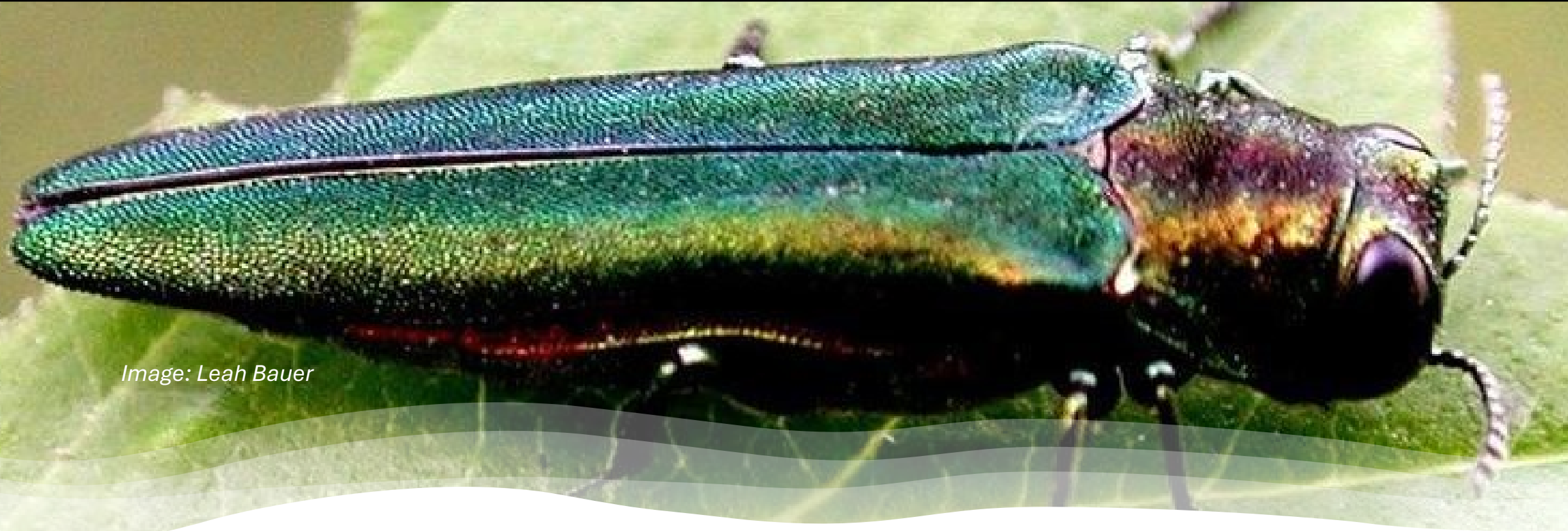


*Image: Leah Bauer*

## Emerald Ash Borer

Host – ash species (*Fraxinus*)

Origin - Asia



*Image: Leah Bauer*

## Emerald Ash Borer

Impact – tree mortality

brittle trees hazardous removal

communities largely planted in ash

Commonly identified after establishment

What's on the horizon?  
How do we respond?

## QUESTIONS?

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