

May 2025

Square miles known to be infested with EAB:

Forest Grove – 16.2 Butte Creek/Pudding River – 23.6

*This monthly newsletter gives updates and resources on emerging threats to the health of Oregon's trees in natural and managed landscapes. It is published by the Oregon Department of Forestry in collaboration with other state, regional, federal, Tribal, and local agencies and organizations. To subscribe, email [jim.gersbach@odf.oregon.gov](mailto:jim.gersbach@odf.oregon.gov)*

In this issue:

- Spotted lanternfly is now reported in 18 states
- Environmental DNA is now being studied as a method to detect EAB
- Oregon Public Broadcasting airs story on Oregon's response to EAB
- Stormwater Summit at OSU on May 21 will feature a segment on EAB
- ODF to host tree-injection workshop May 14 in Salem
- City of Redmond to host free EAB information session May 13
- Free workshop on EAB will be held for Clackamas landowners on June 6
- May 13 is slated for demonstration burn in Scappoose using air curtain incinerator
- Trapping for EAB to get underway later this month
- Free webinars being offered during EAB Awareness Week May 18-24

## Spotted lanternfly pest is now confirmed in 18 U.S. states



Above: Adult spotted lanternflies (Photo credit: Richard Gardner, [bugwood.org](http://bugwood.org))

The spotted lanternfly (*Lycorma delicatula*) is a large, sucking insect that feeds on many different hardwood trees and agricultural crops. This activity results in moldy encrustations on damaged fruit and plant parts.

Spotted lanternfly is native to Asia and likely arrived on goods imported into the U.S. It lays its eggs on any hard surface, including grills, vehicles, trailers, firewood, outdoor furniture, bikes, and toys. This increases the likelihood it could reach Oregon via cars travelers or people hauling moving vans.

The pest was first detected in 2014 in Pennsylvania. In just over a decade it has spread to 18 states, from Virginia north to Massachusetts and from the Atlantic coast as far west as the Great Plains in Iowa and Kansas, with an outlying population discovered in Arizona.

Here are the states where spotted lanternflies and their egg masses have been found as of April 2025:

- Arizona
- Connecticut
- Delaware
- Illinois
- Indiana
- Iowa
- Kansas
- Maryland
- Massachusetts
- Michigan
- New Jersey
- New York
- North Carolina
- Ohio
- Pennsylvania
- Rhode Island
- Virginia
- West Virginia

Find more information about spotted lanternfly [here](#).

## **Environmental DNA is being studied as a low-impact method to detect EAB**

When animals or insects are in an area they leave traces of their DNA in their surroundings through the normal molting, skin shedding, and excreting of bodily wastes. By sampling air, water, and soil, traces of the creatures in that area can be identified, alerting scientists to their presence.

This is exactly what Oregon researchers are doing in Washington County. Samples are being taken and analyzed to see if any traces of emerald ash borer DNA turn up. Because this invasive insect is not strongly attracted to traps, doing environmental DNA testing may be an additional way to find if EAB is in an area. It is also less disturbing to trees than branch sampling or debarking to find EAB larval feeding galleries underneath.

A preliminary trial took place last year, with more testing in and around Forest Grove planned for this summer after EAB adults emerge. ODF is partnering with Clean Water Services to find the best field collection methods and lab procedures for doing this testing in the future.

## **Oregon Field Guide program on Oregon's response to EAB airs**

Oregon Public Broadcasting has captured the depth and breadth of Oregon's response to emerald ash borer in a 15-minute-long program now available on [YouTube](#).

In the program you'll meet Dominic Maze and his kids who were the first to spot the insect flying around a parking lot in Forest Grove. You'll hear from Wyatt Williams and Matt Mills from ODF about how trapping is being done to trace where EAB is spreading. There's a heartfelt segment on Laura Trunk bracing for EAB's arrival at the Jackson Bottom Wetlands Preserve in Washington County. You'll get to see Max Ragozzino release parasitoid wasps as a biocontrol

against EAB. And OSU's Glenn Howe and the USDA Forest Service's Richard Snieszko from the Dorena Genetics Resource Center talk about the long-term search for Oregon ash that might be resistant to EAB.

## **Stormwater Summit May 21 at OSU will feature presentation on EAB**

Registration is now open for the Stormwater Summit put on by the Oregon Association of Clean Water Agencies (ORACWA). The Summit will be Wednesday, May 21 at the OSU Conference Center in Corvallis. ODF EAB specialists will give a presentation about EAB and the threat it poses to Oregon streams and wetlands through loss of ash trees, whose canopies shade water and whose roots reduce streambank erosion. Register [here](#).



## **ODF-hosted tree-injection workshop May 14 in Salem is already full**

The Oregon Dept. of Forestry's Urban and Community Forestry unit is hosting a tree-injection workshop on Wednesday, May 14 at the agency's headquarters campus in Salem. This is an opportunity for arborists, pesticide applicators, and public works employees to learn about applying pesticides through trunk injections and about different injection equipment options. The workshop will feature presentations from ODF and ODA on:

- pesticide licenses and categories
- best management practices from the International Society of Arboriculture (ISA)
- demonstrations from two leading equipment manufacturers

ODF has also applied to ISA and ODA for continuing education credits (CEUs) for those attending the workshop. Registration for the event is closed as the class is full. For more

information, [visit PNW-ISA's event page here](#).

## **Rainbow EcoScience to hold free EAB session in Redmond on May 13**

Learn everything there is to know about emerald ash borer at a free information session Tuesday, May 13 in Redmond, Ore. An OSU Forestry Extension agent will cover EAB identification and how to recognize signs a tree is infested. Two instructors from Rainbow EcoScience will cover treatment strategies and model how to inject insecticide safely into ash trees to prevent infestation with EAB. This event is free and open to municipal staff, tree care and landscape professionals, and non-profit organizations looking for information and

guidance on how to protect and preserve ash trees against this devastating insect pest. Register [here](#).

Date: Tuesday, May 13, 2025

Time: 8:30 a.m. – 2 p.m.

Location: Deschutes Public Library in Redmond

827 SW Deschutes Ave, Redmond, OR 97756

Room name: Community Room 2

- Free parking
- International Society of Arboriculture Continuing Education Units (CEUs): pending
- Lunch provided

## **EAB workshop being offered June 6 for Clackamas landowners**

The Clackamas Soil and Water Conservation District, Oregon Department of Forestry, and Oregon State University Extension are partnering to provide an Emerald Ash Borer Workshop. This free workshop is designed for small landowners in Clackamas County, but anyone is welcome to attend. Register [here](#).

**Friday, June 6**

**8 a.m. to 12:30 p.m.**

**22055 S Beaver Creek Rd, Beaver Creek, OR 97004**

## **Scappoose Airport to be site of air curtain incinerator demonstration burn May 13**

Columbia Soil and Water Conservation District will host a demonstration burn at the Scappoose Airport on Tuesday, May 13. Sign up to attend here: <https://rb.gy/lzmy6d>

The Airport plans to burn English hawthorn that has invaded airport property. Clearing the invasive hawthorn restores an Oregon white oak savanna and reduces the risk of a high-intensity wildfire. ODF has contracted with Oregon-based Valley Environmental, which owns the mobile incinerator, to do a number of demonstration burns in the Willamette Valley this year.



*Above: An air curtain incinerator getting loaded with wood waste. Photo courtesy of Clean Water Services*



## Trapping for EAB to get underway later this month

ODF is working with two dozen different partners in the Willamette Valley, Redmond and Bend, to set traps for EAB in late May ahead of the expected emergence of adult beetles in mid-June. ODF Invasive Species Specialist Wyatt Williams is coordinating the distribution of the traps, which are being placed strategically in areas near where EAB has been found but which are not yet known to be infested. This helps in determining where the beetle may be spreading to. Williams expects to have about 300 total traps placed in ash trees. Traps will be checked in July and again in September for the capture of EAB adults. Last year during the 2024 summer, two of the 200 traps placed that year were positive for EAB, in counties where EAB was not previously detected, leading to the expansion of the statewide quarantine. Traps are only available for government officials at this time. See the location of the 2024 EAB Traps [here](#).

## Free EAB webinar series being offered during EAB Awareness Week

Folks at the national Don't Move Firewood Campaign are hosting a series of free webinars during Emerald Ash Borer Awareness Week May 18-24. See details on each webinar and the individual registration links below. Please feel free to forward this email or share this page (<https://www.dontmovefirewood.org/emerald-ash-borer-awareness-week-2025-webinar-series/>) with others who may be interested.

### **Monday, May 19th at 11 a.m. Pacific**

#### ***Impacts and Management of Emerald Ash Borer***

Presentation by: Kathleen Knight, Research Ecologist, USFS Northern Research Station

EAB has killed billions of ash trees in cities and forests across the U.S. and Canada. Several ash species in our region inhabit different types of forests and play important ecological roles. The results of 20 years of monitoring the impacts of EAB on ash populations and forest ecosystems show the ways this invasive pest has changed American forests. Management actions can be used in situation-specific combinations to mitigate the impacts of EAB, preserve ash species, and restore forest function.

- [Register HERE >>](#)

### **Monday, May 19th at 1 p.m. Pacific**

#### ***Don't Move Firewood Social Media Message Frame Testing: Emotional versus Objective Language***

Presentation by: Leigh Greenwood, Forest Pest and Pathogen Program Director, The Nature Conservancy and Gabriel Barrile, Assistant Professor, University of Wyoming

Effective communication on invasive species is crucial for generating awareness and reducing further anthropogenic spread of forest pests and pathogens like EAB. Message frames in invasion biology have evolved as outreach efforts shift away from using potentially problematic metaphors to more ethically conscious language. The staff at Don't Move Firewood tested two types of socially responsible message frames on Facebook: one with values-based, emotional

and protective language against one with objective, fact-based language to determine if there were any differences in engagement.

- [Register HERE >>](#)

#### **Tuesday, May 20th at 11 a.m. Pacific**

##### ***Roots of Resilience: Fighting the EAB Impact on Wetlands***

Presentation by: Alexis Grinde, Research Program Manager, Natural Resources Research Institute

Emerald ash borer (*Agrilus planipennis*) is causing widespread death of black ash (*Fraxinus nigra*) trees in the western Great Lakes region, threatening forest ecosystems and biodiversity. To assess the impacts, researchers studied black ash wetlands in northern Minnesota, documenting wildlife species, including birds, mammals, and amphibians. Experimental simulations of EAB-related tree loss revealed significant changes in forest structure and hydrology, influencing wildlife communities. Findings show the need for management strategies that promote alternative tree species to maintain habitat complexity and support biodiversity.

- [Register HERE >>](#)

#### **Thursday, May 22nd at 11 a.m. Pacific**

##### ***The Impacts of EAB and the Efforts to Preserve Black Ash***

Presentation by: Jessica Raspitha, Land Resources Program Manager, Saint Regis Mohawk Tribe

Examining the cultural impacts of EAB damage, and the efforts of the Saint Regis Mohawk Tribe to preserve black ash as a cultural resource.

- [Register HERE >>](#)

## **Publications**

*Monitoring Oregon ash forests in the face of the emerald ash borer: A guide for small woodland owners and managers*

<https://extension.oregonstate.edu/catalog/pub/em-9451-monitoring-oregon-ash-forests-face-emerald-ash-borer>

*Larval development and parasitism of emerald ash borer (*Agrilus planipennis*) in Oregon ash (*Fraxinus latifolia*) and European olive (*Olea europaea*): implications for the West Coast invasion*

[Journal of Economic Entomology | Oxford Academic](#)

*Modelling impacts to water quality in salmonid-bearing waterways following the introduction of emerald ash borer in the Pacific Northwest, USA.* Maze, D., Bond, J. & Mattsson, M. *Biol Invasions* (2024).

<https://doi.org/10.1007/s10530-024-03340-3>

*Alternatives to Ash in Western Oregon: With a Critical Tree Under Threat, These Options Can Help Fill Habitat Niche.* G. Kral, and D.C. Shaw. 2023. OSU Extension EM 9396.

<https://catalog.extension.oregonstate.edu/em9396>

*Oregon Ash: Insects, Pathogens and Tree Health* by Oregon State University Extension (also available in Spanish at this same website)

<https://extension.oregonstate.edu/pub/em-9380>

*Wood Decay Fungi Associated with Galleries of the Emerald Ash Borer* by the University of Minnesota and Uruguay's *Instituto Nacional de Investigación Agropecuaria*

[Forests | Free Full-Text | Wood Decay Fungi Associated with Galleries of the Emerald Ash Borer \(mdpi.com\)](https://www.mdpi.com/Forests)

## Useful links for more information

Past *Oregon Tree Health Threats Bulletins* (2023 to present)

<https://forms.office.com/g/p3EbRa7HKv>

Roundup of Oregon-specific EAB information including where to report new EAB sightings

[www.OregonEAB.com](http://www.OregonEAB.com)

Map of where EAB has been confirmed in Oregon

<https://experience.arcgis.com/experience/9f29b1860cb04d36ad71b122148277f3>

Mediterranean oak borer fact sheet

<https://www.oregon.gov/odf/Documents/forestbenefits/fact-sheet-mediterranean-oak-borer.pdf>

EAB monitoring guidance

<https://www.oregon.gov/odf/forestbenefits/Documents/eab-monitoring-guidance.pdf>

Oregon Dept. of Agriculture

<https://www.oda.direct/EAB>

Oregon Dept. of Forestry

<https://www.oregon.gov/odf/forestbenefits/pages/foresthealth.aspx>

OSU Extension

<https://extension.oregonstate.edu/collection/emerald-ash-borer-resources>

Emerald Ash Borer Information Network, a collaborative effort by the USDA Forest Service and Michigan State University

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

USFS Forest Health Protection

<https://www.fs.usda.gov/science-technology/forest-health-protection>