



# Monitoring and Managing Ash (MaMA)

A citizen-science-driven program for conservation and mitigation



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*Your participation can help save ash from extinction.*

# What are lingering ash?

**Lingering ash** are those mature, native, untreated ash trees that persist in healthy condition significantly after the vast majority of mature, native, untreated ash in the same area have been killed by EAB. Research led by the USDA U.S. Forest Service has shown that selective breeding of ash trees derived from scion (twig samples) taken from lingering ash can yield highly EAB-resistant trees within two generations, offering tremendous hope for ash conservation. A compelling presentation on this project can be seen at <https://continentalforestdialogue.files.wordpress.com/2016/07/koch-lingering-ash-cont-dial-2016.pdf>.

## Information and Tools

[Ash management decision tools](#)

[Signs of EAB infestation:](#)

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[Pesticide treatment for EAB](#)

[What are lingering ash?](#)

[How to recognize ash](#)

[Seed collection](#)

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## Upcoming MaMA Events

There are no upcoming events at this time.

## **Partners**

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[Dr. Kathleen Knight](#) and [Dr. Jennifer Koch](#) of the [USDA U.S. Forest Service Northern Research Station](#); they are at the leading edge of research to conserve ash.

[New York Invasive Species Research Institute](#)

[New York State Department of Environmental Conservation Forest Health Program](#)

[NYC Department of Environmental Protection – Bureau of Water Supply](#)

[Catskill Regional Invasive Species Partnership \(CRISP\)](#)

## **News**

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[NYC DEP steps up for ash](#)

Jonathan Rosenthal  
featured on Pulse of the  
Planet radio shows on  
EAB

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MaMA presentation at  
the Saving the American  
Ash Summit, New York  
Botanical Garden on Oct  
13, 2017

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## Contact us

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Ash management decision tools   Signs of EAB infestation:   EAB distribution map  
EAB outreach and reporting   Pesticide treatment for EAB   [What are lingering ash?](#)  
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