



Invasive
Species
Centre

ADVANCING ACTION ON PRIORITY PESTS IN ONTARIO

Through Partnerships and Community Science

Mackenzie DiGasparro
Invasive Species Centre





Invasive Species Centre



Hemlock Woolly Adelgid Monitoring Network



Canadian Food Inspection Agency

Canada
Natural Resources Canada

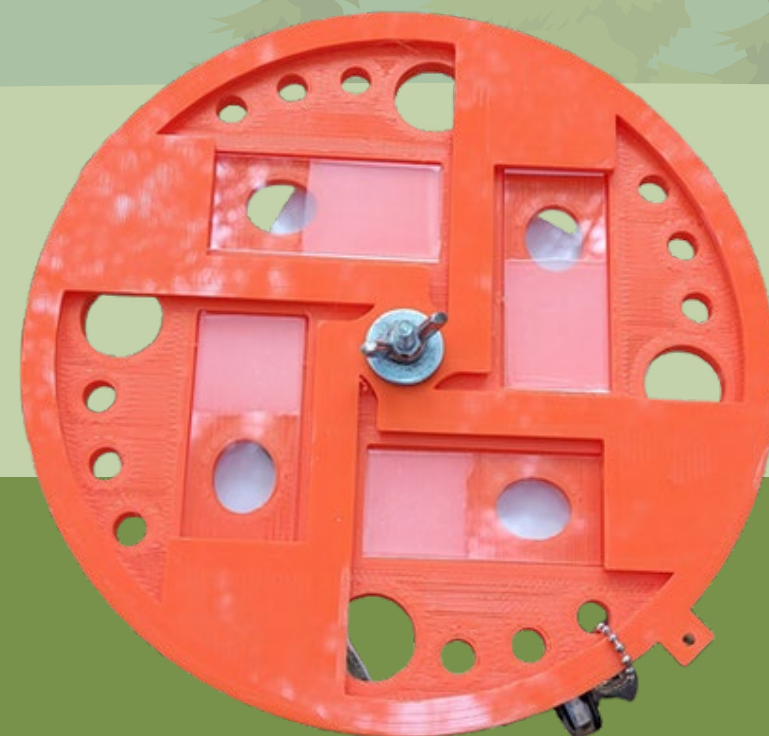


est. Fall 2022



Goal: increase early detection of HWA outside if known distribution & to compliment current surveillance

Offers a unique opportunity for community members to become actively involved in monitoring and stewardship in their woodlots



Year 1 resulted in...

- 50** Traps deployed
- 2** Suspect samples via visual inspection

1

positive detection
confirmed by CFIA labs

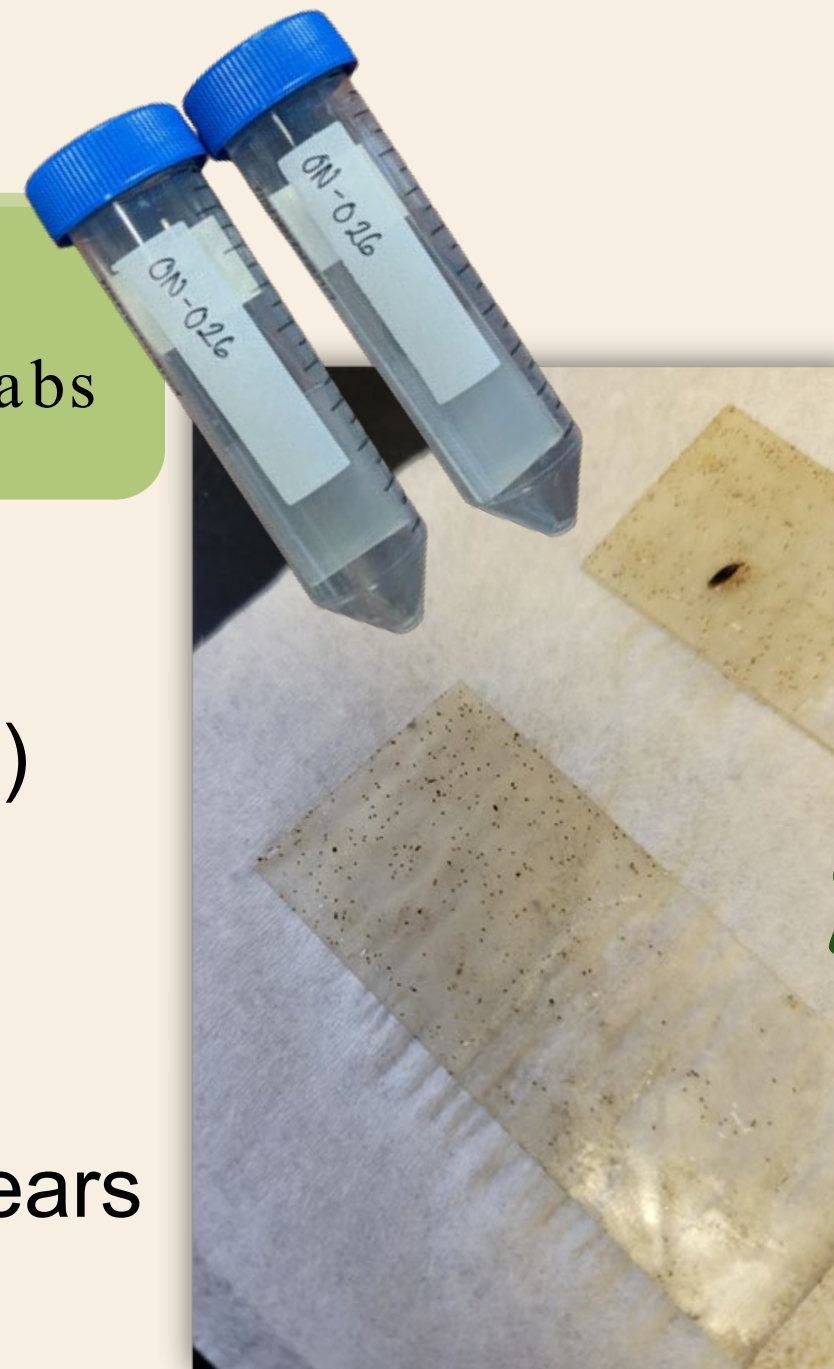
Year 2....:

Launched 50 additional traps in Ontario (**100 total**)

Expanding to PEI, Nova Scotia, and Quebec

Next Steps:

Launch more traps in new locations in following years
Continue to fill gaps and offer new tools for land managers to improve monitoring



Beech Leaf Disease Monitoring Network



New fact sheet, available in digital and print formats

Laminated Field ID Cards

Held first workshop in August 2024 training 34 community members, municipal, and conservation employees on beech leaf disease

Lunch and Learn & Contest Launch

REPORTING CONTEST

Win a Community
Science Monitoring Prize
Pack valued at \$100+

Follow These Steps:

- 1 Join the iNaturalist project
- 2 Report beech leaf disease in Ontario
- 3 Keep an eye on your iNaturalist inbox

*Full contest rules available on the iNaturalist project page



Next Steps:

Educational signage for organizations with BLD on their lands that want to provide public information

Complete development of **sampling protocol for community members** to submit samples to Dr. Reed and her team for analysis.



Invasive Species Training Program



FREE

Oak Wilt Identification and Management Qualification Course

The Invasive Species Centre is hosting a free workshop for **arborists and other tree care professionals** interested in learning more about identifying, monitoring, and managing oak wilt in Canada and the U.S. Join us in Toronto to get **Oak Wilt Certified!**

When?

Friday, September 27, 2024

Where?

High Park Training Centre
142 Colborne Lodge Dr, Toronto, Ontario
Scan the QR code for location details!



Certified arborists can receive **CEU's**
from the ISA for participating!

**Spots are limited.
Register now!**



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20

City of Toronto Forestry Staff Trained

40

Other Ontario Arborists



Oak Wilt Trenching Guidelines

Trenches are used to create a deep barrier between healthy and infected trees, disrupting root grafts and preventing underground spread of oak wilt.

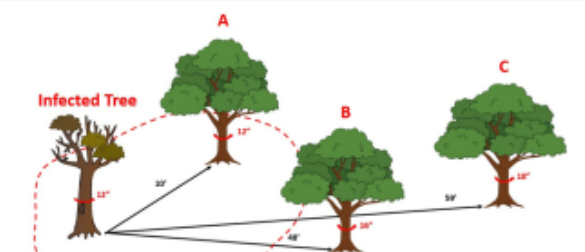
When: The ideal time to trench is in the autumn before the soil starts to freeze. Disrupting the roots in the summer can stress trees and increase the likelihood of attracting beetles to wound sites.

Where: The proper placement of trench lines is essential when trying to isolate oak wilt infected trees. Trenching can be completely ineffective if trenches are dug too close or too far from an infected tree.

Trenches should be 1-1.5m (4-5ft) deep.

3 main factors that influence the likelihood of root grafting and therefore of oak wilt passing between an infected and healthy oak tree:

1. the diameter of an infected and nearby healthy tree
2. the distance between the two trees
3. the soil type and drainage characteristics of the area



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of Ontario



A snapshot of other ongoing work...

Spotted Lanternfly Info Session

With support from the Ontario Greenbelt Foundation

Pelham, ON October 3, 2024

EAB Mitigation & Black Ash Preservation Community Action Project

Ministry of Environment, Conservation, and Parks

Black Ash Mapping

Black ash identification, seed and branch
sampling training workshops

Fact sheets: Threat of EAB to Black Ash,
Seed Collection: How To

Forest Industry Engagement

Ontario Invasive Species Best Practices
for Forest Operators (*Draft in Progress*)

Relationship building with 3rd Party
Certifiers, provincial forest managers,
and management foresters.

Invasive Species Training

Invasive Forest Pests

Asian Longhorned Beetle

Spotted Lanternfly

Oak Wilt

More coming soon...

Partnerships



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THANK YOU!

Contact Me!

Mackenzie DiGasparro

mdigasparro@invasivespeciescentre.ca

