



DIAGNOSTIC REPORT

Sample#	25-00007
Field ID	
Host	Green Ash
Received Date	1/13/2025
County	Hamilton
State	IN

Submitter:		
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Diagnosis and Recommendations

Host/Habitat	Green Ash (<i>Fraxinus pennsylvanica lanceolata</i>)
List of Diagnosis/ID(s)	
Confirmed for Wood rot fungus (<i>Fomitopsis</i> sp./spp.)	

Final Report

1-17-2025

The fruiting body sample submitted did not have enough clear characters to ID by morphology. We did a DNA sequence analysis which confirms this is a *Fomitopsis* spp. The species separation was not clear so it can only be identified to genus. There are several species of *Fomitopsis* reported to commonly cause brown rots on spruce and other conifers but the only prior report of *Fomitopsis* on ash in the scientific record is from Minnesota in 1976, where it was reported to be causing a white rot. Our only sample in the past was from Ohio that was also being treated for EAB (see attached photo of that tree). Other diagnostic labs in our network have not been reporting this fungus on ash so it appears to be relatively rare.

My guess is that the fungus is entering trees via injection sites, or it may be attacking bark that was weakened/killed by EAB damage prior to start of the management program. The fungus probably needs some damage to get started and since this is rare on ash I doubt it would be something that would spread readily to healthy trees. Trees under stress from girdling roots, drought or other environmental stress may be more susceptible.

I recommend looking at the worst affected tree and probing into the sapwood and heartwood to see how far this going. It may be acting as a saprophyte and only causing decay on dead bark and sapwood, but I am concerned that the amount of fungus shown in the photos is an indicator of internal decay.

Plant and Pest Diagnostic Lab 915 Mitch Daniels Boulevard LSPS room 116 WEST LAFAYETTE IN 47907 Telephone : (765) 494-7071	Diagnosed By : John Bonkowski(jbonkows@purdue.edu), Tom Creswell (creswell@purdue.edu) Completed Date: 1/17/2025
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I would appreciate any follow up information and photos you might get as you look more closely at these trees. Your observations about decay will help if we get samples of the same fungus from ash from other locations.

Tom Creswell

Cc: John Bonkowski

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Attachment(s): 22-01962 Ash - Fomitopsis-04.jpeg

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