



CHESTNUT CHAT SERIES: Q&A
CHAT 31: PHYTOPHTHORA CINNAMOMI AND AMERICAN CHESTNUT
DATE: FRIDAY, DECEMBER 17, 2021

QUESTION	ASKER NAME	ASKER EMAIL	ANSWER(S)
Where does phytopthera occur? Is it everywhere in the natural range of the chestnut?	frank	mathob@icloud.com	live answered
If phytopthera is present how long can tree grow before phytopthera kills the tree?	frank	mathob@icloud.com	Frank, did you get this answered from the 2 talks?
Can phytopthera be transported on the roots of chestnut seedlings?	frank	mathob@icloud.com	live answered
what kind of soil does root rot like	Russel Boyer	kellyboyer81@yahoo.com	live answered
I may have missed this point during a coffee refill, - Is Am. chestnut susceptible to more than one species of Phytophthora?	Henry McNab	william.mcnab@usda.gov	live answered
Why V-8 juice?	Pat Peterson	patpeterson@norwaymi.com	live answered
How cold is cold?	frank	mathob@icloud.com	live answered
Thanks, Steve	Henry McNab	william.mcnab@usda.gov	live answered
Does the use of non-soil potting mixes serve are a good starting medium - particularly if you planning to transport seedling from nurseries to orchards?	Jim	cartmellj@gmail.com	live answered
Is there a root drench "fungicide" that will kill P.c.?	William Hamersky	w@sky.com	live answered
You said cold stops phytopthera. Can you quantify how much cold is required? Is an annual minimum or must temperatures be below a certain minimum for an extended time?	frank	mathob@icloud.com	live answered
Are there native species of phytopthera?	frank	mathob@icloud.com	live answered



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Are chestnut trees only/mostly susceptible during early years of growth? Could fungicides enable trees to establish? Or, would mature trees be killed by fungus too?	scovell	stephen.covell@usda.gov	live answered
how deep in the ground does p.cinn typically go?	Brad Price	dbp0@lehigh.edu	live answered
I have two chestnuts which have been in the ground that I know is infected with P. cinnamomi for over two years. They are both doing well. What is the chance that they are resistant ?	dennis pevarski	dpevarski@gmail.com	live answered
How does planting trees in a field represent the real world forest? That is basically a mono vulture like a field of corn? In a real eastern forest there is a high degree of diversity and pure stands of any species are relatively rare. How important is this to preventing transmission of disease in a natural healthy forest?	frank	mathob@icloud.com	live answered
If I have a fine rotted root can I view organisms of Phytophthora microscopically? Where are they now taxonomically? Protista? Protozoans?	Glenn Kotnik	gakotnik@comcast.net	live answered
In Europe they have used Japense chestnut for root rot resistance breeding. Have you used Japanese chestnut as a source of resistance in breeding?	Erik Carlson	ehcarlso@syr.edu	live answered
We had an asian pear tree that died from this black spreading along the trunk. The leaves turned black and the tree died. How should we dispose of the dead trunk and branches. The adjacent mulberry now has this leison and black is speading along the trunk. These trees are in moist soil over a clay lens.	Anonymous Attendee		Typically, the recomendation for disposing of diseased plant material is to burn it, or dispose of it in a black trash bag. You would need a plant diagnostics lab to provide a positive ID of the pathogen that killed your tree. Phytophthora root rot is a root pathogen so the above-ground portion of the tree is of less concern for spreading the disease.



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Is Darling 58 being tested?	ericmassant	eric.massant@gmail.com	live answered
I have gotten seedlings from TACF. Are these phytopthera free or am I introducing it on our land?	frank	mathob@icloud.com	We do not distribute from nurseries with known phytophthora. The pathogen needs damp soil, so containerized seedlings are much more likely to spread it around. Our seedling distributions are bare root (not much for soil), and of course, we would let folks know if we discovered any accidental spread of this pathogen.
they were part of the study that mostly went to warren wilson	dennis pevarski	dpevarski@gmail.com	Thanks for the clarification, Dennis.
Does Phytophthora only enter the plant through the roots or can it enter through the crown and stem?	Erik Carlson	ehcarlso@syr.edu	live answered
several previous seedlings planted in this location all quickly developed root rot	dennis pevarski	dpevarski@gmail.com	Thanks, Dennis. I'll let the panelists know. We appreciate your interest!
Can you suggest companion plants for planting with Chestnuts that might help protect from these pathogens?	Cynthia Tauxe	cyntauxe@gmail.com	live answered
thanks Steve and Katie. very interesting. and happy holidays ALL HAPPY NEW YEAR	Robbie Shaw	js4501@aol.com	thanks - you too!