

**Notes from the
Thousand Cankers of Black Walnut National Conference
November 3-4, 2009 - St. Louis, Missouri
Doubletree Hotel—St. Louis at Westport**

This is based on notes taken by Julia Thompson and David Johnson (both of the Missouri Department of Agriculture) and typed by J. Thompson (CAUTION: This is not a transcript, but notes. Remarks are often paraphrased and may have been accidentally omitted or misunderstood by the note-takers. It has not been compared with the event recording to check for accuracy.)

Tuesday, November 3, 2009

Key to some abbreviations used:

WTB = walnut twig beetle = *Pityophthorus juglandis*

TCD = thousand cankers disease

Gm = *Geosmithia 'morbida'* ('*morbida*' is proposed species name of this newly discovered species)

BW = black walnut = *Juglans nigra*

Bruce Moltzan (Pathologist-U.S. Forest Service) - Developing a National Response Framework for Thousand Cankers Disease on Black Walnut.

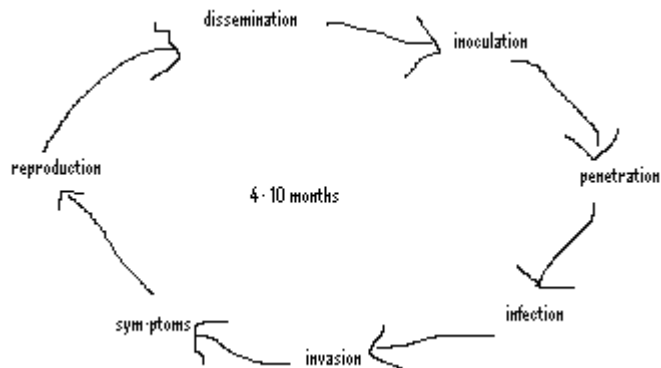
- Tree extinction/devastation often in the news
- MO at top of chart of BW numbers
- Recent epidemic problems
 - Laurel wilt—redbay: beetle vectored fungus
 - Sudden oak death—introduced fungal species
 - Mountain pine beetle (native) on lodgepole pine (native)—devastation
- TCD in West
 - Urban problem with unknown Eastern threat
 - Research just getting started
- 2008 Invasive Expenditures—limited \$ and many projects (SOD GM, etc.)
- Title 16 chapter 41 section 2104 US code—forest health protection
- Tom Vilsack- Sec. of Ag
- Tom Tidwell- Forest Service chief

Integrated Pest Management

Practices →	Cultural	Chemical	Biological
Principles ↓			
Exclusion	Plant Inspection/ Quarantine	Fumigate plant stock	Preemptive competitors
Eradication	Sanitation	Fumigate soils Eradicants	Antagonists
Protection	Good sites Weed control	Most fungicides and Insecticides	Biostimulants
Resistance	Promote healthy trees	Systemic / Therapeutic chemicals	Genetic host resistance

We are talking about the phloem, not the xylem

↓ Need to break the cycle at this point



- WE NEED A PHEROMONE!
- Hard questions:
 - Where are we now? \$
 - Where do we want to be? \$
 - How do we get there? \$ detection and management (working together important)
 - How do we know if we made it?
- We need to
- Engage in partnership
 - Plan in the absence of TCD
 - Identify key personnel
 - Training
 - Identify equipment needs
- Tiered response
 - handle at the lowest level
 - communicate early and often across jurisdictions
 - take advantage of experience / experts / resources
 - cooperate between agencies
- Scalable and adaptive
 - flexible
 - have communication plan in place
 - define investment areas
 - build flex into budgets
 - have contingency plan / never underestimate worst case scenario
- Unity of effort
 - Develop one set of objectives / priorities
 - Work to combine agencies under a single plan
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- Readiness to act
 - Educate public/stakeholders
 - Use diagnostics to verify movement

Comment: costs could be very high

Question: Procedure to determine \$ to each project Answer: regional support helps to get funding