

**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.)

Wednesday, November 4, 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*

**Jerry Van Sambeek (US Forest Service) and Stephen Shifley (US Forest Service)-
Occurrence of Walnut on Forest Land in the United States.**

- Forest inventory
 - Data bases (Forest Inventory Analysis Data Bases FIADB) available on line at <http://www.fs.fed.us/>
 - To determine the state of timber on the Nation's forest lands.
 - Plot design
 - Grid across state each represents 6000 acres
 - Four 24-foot radius subplots (1/24th ac) for trees > 5" dbh
 - Four 6.8-foot radius microplots (1/300th ac) saplings >1" and trees > 5" dbh
- Forestland vs. Timberland
 - Forestland: 10 % (canopy cover > 5%) live forest trees; not developed for non-forest. Includes roadside, streamside, and shelterbelts >120 feet wide
 - Timberland: forestland which could produce >20 ft³/acre/year; not developed.
- 6 species *Juglans* in FIADB; *J. nigra*, *J. cinerea*, *J. hindsii*, *J. californica*, *J. microcarpa*, *J. major*
- 99% *J. regia* in CA
- Modified gradient nearest neighbor imputation modeling uses phrenology, climate, topography, geospatial locations, ecoregions to predict where you would expect to find species
 - An area of TX with three species overlapping
- *J. nigra* ecologically highest density in SE KS and NW MO
 - MO stocks increasing from 20 years ago
 - ◆ 55 million > 5" dbh in MO
 - ◆ 90 million seedling
 - ½ billion low estimate of loss to MO over 20 years if MO affected by TCD
 - ◆ Lumber 210 jobs (total average)
 - ◆ Nuts 600 jobs (total average)
 - 40,000 walnut in urban environment
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Question: is wildlife value of nuts being calculated? Answer: some of this included in model
Carbon credits—still being worked on