**Update on Breeding for BBD** **Resistant American beech**

**And**

**Selection & Characterization of “Lingering Ash”**

Host resistance as a tool to combat invasive threats

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**Detailed descriptions of some techniques for our beech work :**

Koch, Jennifer L.; Carey, David W. 2014. A technique to screen American beech for resistance to the beech scale insect (*Cryptococcus fagisuga* Lind). Journal of Visualized Experiments. e51515.

Download a copy at: [www.fs.fed.us/nrs/pubs/jrnl/2014/nrs\_2014\_koch\_001.pdf](http://www.fs.fed.us/nrs/pubs/jrnl/2014/nrs_2014_koch_001.pdf)?

A video of the technique can be viewed at: <http://www.fs.fed.us/nrs/video/46347/>

Carey, David W.; Mason, Mary E.; Bloese, Paul; Koch, Jennifer L. 2013. Hot callusing for propagation of American beech by grafting. HortScience. 48(5): 620-624.

Download a copy at: <http://www.nrs.fs.fed.us/pubs/jrnl/2013/nrs_2013_carey_001.pdf>?

**Help us locate a "survivor" ash tree and report it on this website:** <http://www.nrs.fs.fed.us/SurvivorAsh>

## Ash Tree Selection Criteria:

* Natural trees only (named cultivars commonly used in landscaping have already been tested)
* Trunk diameter larger than 10 inches (circumference of 31.4 inches) at 54 inches about the ground (DBH)
* Healthy canopy with lots of leaves and no dead upper branches
* Not treated with insecticides
* We are starting with 10 counties in southeast Michigan and 7 counties in northwest Ohio, and we will expand the target area each year.  If you have a healthy ash tree but you are not yet in the target area, please keep watching the tree and enter it when our target area expands to include your location.

**MI counties:** Ingham, Livings, Oakland, Macomb, Jackson, Washtenaw, Wayne, Hillsdale, Lenawee, Monrow

**OH counties:** Williams, Fulton, Lucas, Defiance, Henry, Wood, Ottawa.