



Action in Agroforestry

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Michael Gold and Hyelee Won, editors

News from the Missouri Invasive Forest Pest Council: Update on Emerald ash borer (EAB)

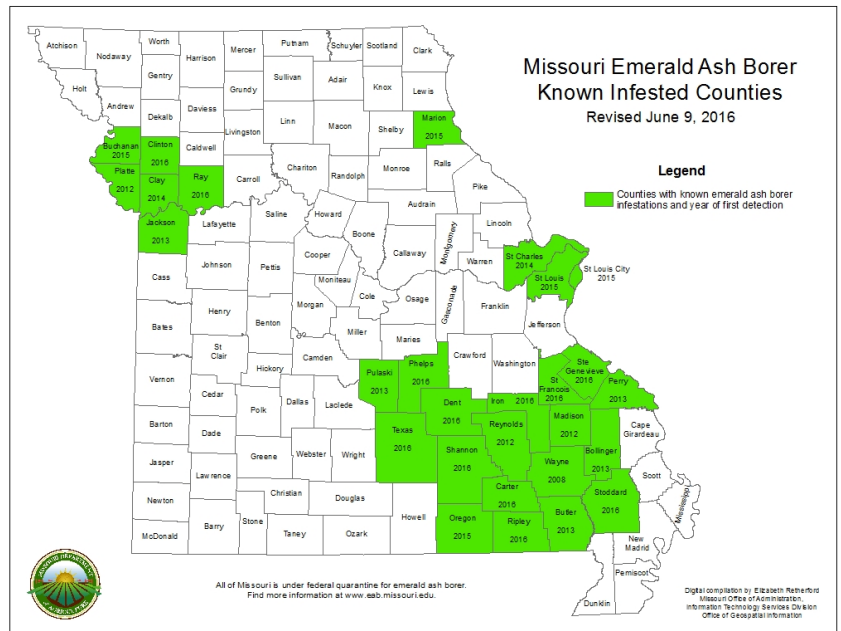
In Missouri there are numerous new county confirmations of EAB. Below is a list of current confirmed counties (two awaiting official confirmation) and year of confirmation. The map will be updated and placed at www.eab.missouri.edu after pending counties are confirmed. The entire state of Missouri has been under federal emerald ash borer quarantine since 2013. Multiple agencies (MDA, PPQ, MU) are continuing to trap for emerald ash borer throughout the state.

Counties with Confirmed EAB - 2016

Dent (confirmation pending), Clinton (confirmation pending), Ray, Ste. Genevieve, St. Francois, Stoddard, Phelps, Texas, Iron, Shannon, Ripley, Carter

Counties with Confirmed EAB – 2008-2015

2015: Buchanan, Marion, St. Louis City and County, Oregon
2014: Clay, St. Charles
2013: Jackson, Pulaski, Perry, Bollinger, Butler
2012: Platte, Madison, Reynolds
2008: Wayne



KUDOS

Drs. Maria Fidalgo, Chung-Ho Lin and Keith Goyné have been awarded an MU Research Board Initiative grant entitled: “Degradation of Antibiotics from CAFO wastewater”. The grant amount is \$36,963.

For more information:

<http://extension.missouri.edu/treepests/emeraldashborer.aspx>

Contact:

Collin Wmsley, State Entomologist
Missouri Department of Agriculture
Plant Pest Control Bureau
573-751-5505/5507

UPCOMING EVENTS

Elderberry Workshop & Field Tour

June 16-18, 2016

MU Bradford Research Center, Columbia, Mo.

For more information:

<https://elderberryworkshopfieldtour.wordpress.com/>

The 2016 Urban Food Systems Symposium

June 22-25, 2016

At the Kansas State University Olathe campus in the metropolitan region of Kansas City.

For more information: <http://www.urbanfoodsystems-symposium.org/>

Bobwhite Quail Habitat Management Field Day

June 25, 2016 - 9:30am to 2:30pm

Bradford Research Center, Columbia, MO.

No fee and no reservations required. Lunch provided.

For more information: <https://missouri.app.box.com/s/ne17nl57z5yoqmyd46ys40o83j1zy14i>

Growing Blackberry Production and Sales in MO

June 29, 2016 - 1:00 - 4:00 pm

Buchanan County Extn. Office, St. Joseph, Mo.

Contact: Patrick Byers - MU Extension, Greene County
417.881.8909 or Byerspl@missouri.edu

4th Annual Agroforestry Academy

July 25-29, 2016

Columbia, Mo.

Registration closes June 30. Limited scholarships available for military veterans. **NOTE:** 2016 Academy almost full.

For more information:

<http://www.centerforagroforestry.org/academy/2016/RegistrationBrochure.pdf>

Walnut Council Annual Meeting

July 31-August 3

Lawrenceburg, Indiana

Details: <http://www.walnutcouncil.org/annual-meeting/>

Ecosystem Services of Cover Crops

August 3, 2016

Salisbury, MO

Registration ends July 27, 2016

Contact: Caroline Todd: toddcs@missouri.edu or
573-884-2874

New Graduate Student Joins UMCA

Lalith Rankoth, from Sri Lanka, will begin his MS thesis research on cover crop effects on soil, crop yield, and biomass in the summer of 2016. He will be conducting his research at producer farms with cover crop and no-cover watersheds in a number of locations including Jefferson City, Novelty, and near Brookfield, MO. His major advisor is Dr. Ranjith Udawatta.

KUDOS

Van Sambeek, J.W., Godsey, L.D., Walter, W.D., Garrett, H.E., & Dwyer, J.P. (2016). Field Performance of Quercus bicolor Established as Repeatedly Air-Root-Pruned Container and Bareroot Planting Stock. *Open Journal of Forestry* 6:163-176. <http://dx.doi.org/10.4236/ojf.2016.63014>

Benefits of repeated air-root-pruning of seedlings when stepping up to progressively larger containers include excellent lateral root distribution immediately below the root collar and an exceptionally fibrous root ball. To evaluate long-term field performance of repeatedly air-root-pruned container stock, three plantings of 10-13 year old swamp white oak (*Quercus bicolor* Willd.) were compared with bareroot planting stock. On a sandy, excessively drained high soil pH site, trees (age 10) from container stock were 1.5x taller, 2.3x larger in dbh, and 2.8x greater in green weight than trees from bareroot stock. On a high clay, poorly drained, frequently flooded site, trees (age 12) from container stock were 1.4x taller, 1.8x larger in dbh, and 4.1x greater in green weight than trees from bareroot stock. Repeated air-root pruning produced lateral roots immediately below the root collar, resulting in large container stock with large well-balanced root systems that were competitive on harsh or less than ideal oak sites.



The Center for Agroforestry
University of Missouri

A Global Center for Agroforestry, Entrepreneurship and the Environment

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