

# Entomological News

Kansas Department of Agriculture-Plant Protection and Weed Control

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The 2013 trapping season has come to conclusion. This newsletter will give the results of our studies which have wrapped up for the 2013 season.

## Walnut Twig Beetle Survey

### Continuation of the 2012 Farmbill

Continuation of the 2012 Farmbill walnut twig beetle trapping (WTB) occurred May 6, 2013 to July 19, 2013. The trapping occurred in 13 counties: Anderson, Brown, Chase, Coffey, Franklin, Jefferson, Linn, Lyon, Marshall, Miami, Morris, Nemaha and Osage.

A total of 49 locations with 82 traps were set.

### 2013 WTB Farmbill

Walnut twig beetle trapping using Farmbill 2013 occurred June 3, 2013 to August 2, 2013.

The trapping occurred in 13 counties: Allen, Bourbon, Butler, Cherokee, Cowley, Crawford, Elk, Greenwood, Labette, Montgomery, Neosho, and Woodson. A total of 34 locations with 34 traps set.

Traps were checked 573 times during the trapping season, yielding a total of 546 samples.

Of the 546 samples only 58 samples contained

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## Grape Commodity Survey

### 2013 Grape Survey- Farmbill

The grape commodity survey targeted six insect pests and two diseases of grapes.

- Summer fruit tortrix
- Silver Y moth
- European grapevine moth
- European grape berry moth
- Egyptian cottonworm
- Cotton cutworm
- Pierce's disease
- Australian grapevine yellows

### 2013 Grape Commodity Trap Locations



The survey started on May 31, 2013 and continued until December 4, 2013. The survey included 53 sites with six traps at each site in 23 counties.

A total of 4083 trap checks were made over the six month study. A total of 4049 samples were evaluated with no target pests collected.

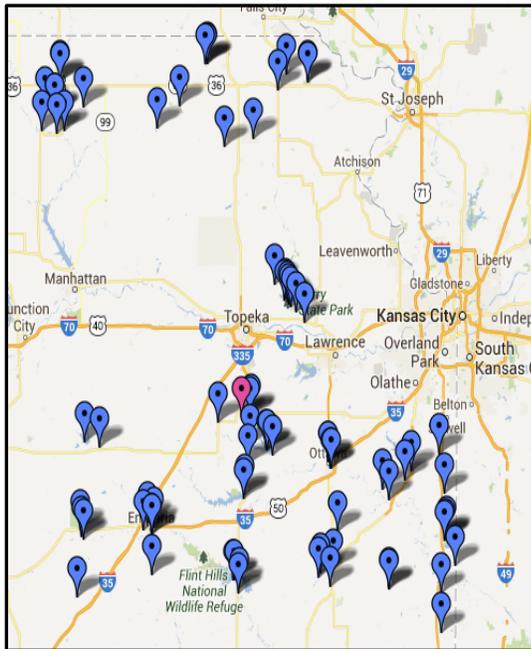
The non-targeted pest, grape phylloxera (*Daktulosphaira vitifoliae*) was noted at several locations. This minute insect form gall-like swelling on the leaves and roots of the plant. European grape varieties are more susceptible.

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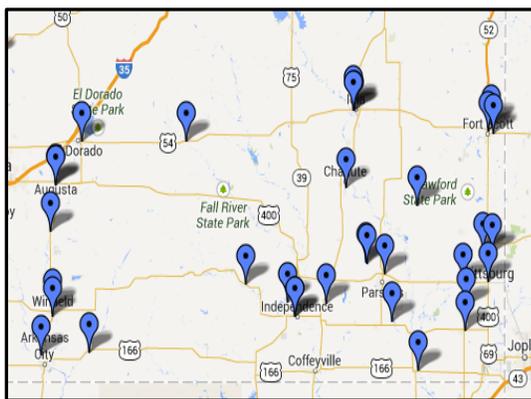
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bark beetles in the family Scolytidae. After further examination no WTB were found in the samples.

The reduction in collection of non-target bark beetles of all families (Cerambycidae, Buprestidae, Cleridae, etc.) is due to a switch from RV antifreeze (containing ethanol) to a food grade propylene glycol in the collecting cups.



2012 Farmbill WTB trap locations set in 2013. The locations marked in blue were set and maintained by a summer staff member. The pink location was set and maintained by PPWC's State CAPS Coordinator.



2013 Farmbill WTB trap locations set in 2013

## Khapra Beetle

### Continuation of the 2012 Farmbill

Traps were placed at 5 locations with 2 traps per location. Counties trapped included Douglas and Johnson.

Traps were placed on January 31, 2013 and removed 8 March 2013.

All traps were kept an additional 4 week after take down to monitor for potential egg hatch.

No Khapra beetles were detected.

### 2013 Khapra Beetle Survey

Traps were placed at 37 International stores and four commercial storage facilities in Douglas, Geary, Johnson, Leavenworth, Riley, Saline, Sedgwick and Shawnee counties.

Traps were placed on August 5, 2013 and removed September 26, 2013.

Two traps per location and traps were checked every 7 to 10 days

At the end of the survey 561 samples returned to the lab and monitored for four additional weeks for potential egg hatch.

No Khapra beetles were detected.

## 2013 Notable Insect Finds

Spotted wing drosophila- Sedgwick County: (Non-regulated Pest)

Cedar bark beetles: (Non-regulated Pest)

Potato tuber moth/worm by K-State: (Non-regulated Pest)

Horned bostrichidae (*Heterobostrychus aequalis*) in Stevens County. Asian woodborer in furniture from China.

Brown Marmorated Stink bug in Shawnee and Wyandotte Counties: (Non-regulated Pest). One stink bug was collected from an EAB purple prism trap, the other from the Tanglefoot band on an EAB trap tree.

## **Emerald Ash Borer Purple Prism Traps**

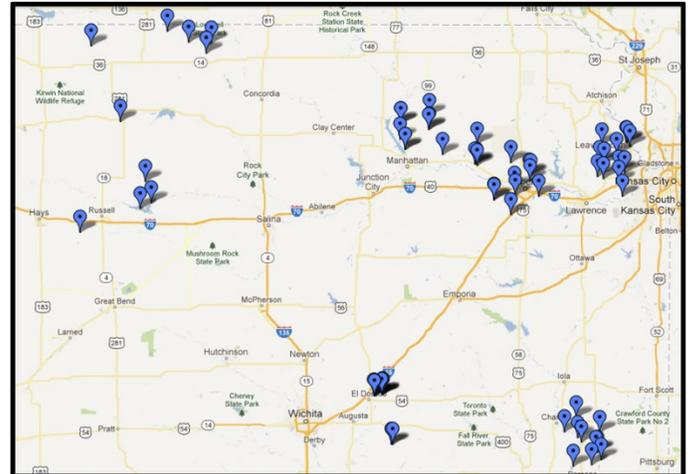
PPWC placed 65 traps in 9 counties— Butler, Jewell, Leavenworth, Neosho, Osborne, Pottawatomie, Russell, Smith and Shawnee counties. USDA placed 268 traps for the rest of the state.

NO EAB were found in traps placed by KDA.

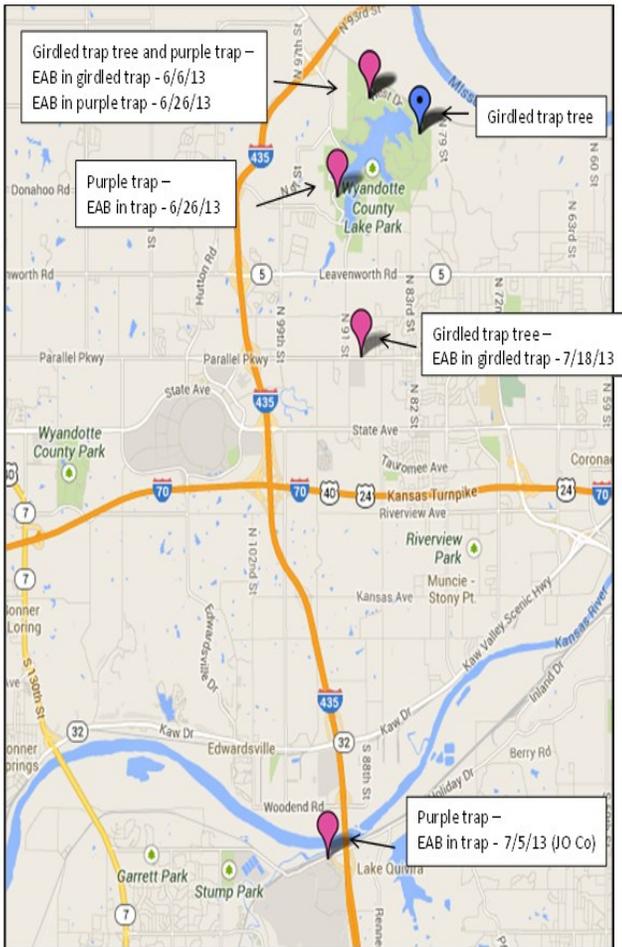
### **Trap Trees**

Seven girdled trap trees were set with 3 in Wyandotte, 2 in Leavenworth and 2 in Johnson counties.

EAB larvae were found in all 3 Wyandotte county trees when they were cut down and the bark peeled, Adult beetles were found on 2 Wyandotte county tree, trapped in the Tanglefoot band. The adults were collected on June 19, 2013 and July 18, 2013.



65 EAB traps in 9 counties set by KDA



Map of positive EAB finds 2013

## **Don't Bring a Pest Home for Christmas**

The Don't Move Firewood people remind us that we can all reduce the possibility of introducing a pest with our holiday's greenery and trees, by doing one of 3 things.

1. Cut your own tree (usually with a permit) from a forest within 10 to 20 miles of your house;
2. Buy pre-cut trees and natural wreaths from an established local business, not from a fly-by-night operator selling on the side of the road; and
3. Order your wreaths and garlands online from a recognized vendor—not from an unknown person on sites like Ebay or Craigslist that may not be in compliance with important quarantines or regulations

<http://www.dontmovefirewood.org/HolidayGreenery>

