



**Khapra beetle**



# ENTOMOLOGICAL NEWS

Kansas Department of Agriculture—Plant Protection and Weed Control

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Some information about our resources for grant funded research.

The CAPS program conducts science-based national and state surveys targeted at specific exotic plant pests, diseases, and weeds identified as threats to U.S. agriculture and/or the environment. These activities are accomplished primarily under USDA funding that is provided through cooperative agreements with state departments of agriculture, universities, and other entities. Surveys conducted through the CAPS Program represent a second line of defense against the entry of harmful plant pests and weeds.

Under the **Farm Bill**, APHIS will provide funding to strengthen the nation’s infrastructure for pest detection and surveillance, identification, and threat mitigation, while working to safeguard the nursery production system.



giant East African snail  
*Achatina fulica* Bowdich, 1822  
CAPS Priority Pest List  
Bet you’re glad Kansas doesn’t have suitable habitat.



Grapevine Yellowing Disease: part of the CAPS grape survey

**In This Issue**

- Walnut twig beetle
- Grape survey
- Khapra beetle
- Emerald ash borer
- EAB trap trees

## Walnut Twig Beetle Survey

WTB surveys started in 2012 and continues currently with expected trapping dates from May 1, 2013 – April 30, 2014 .

### 2012 Walnut Twig Beetle – extension - Farmbill

May 6, 2013 – Trapping restarted for 2013

61 sites-13 counties-82 traps

Anderson, Brown, Chase, Coffey, Franklin, Jefferson, Linn, Lyon, Marshall, Miami, Morris, Nemaha, Osage

### 2013 Walnut Twig Beetle – Farmbill

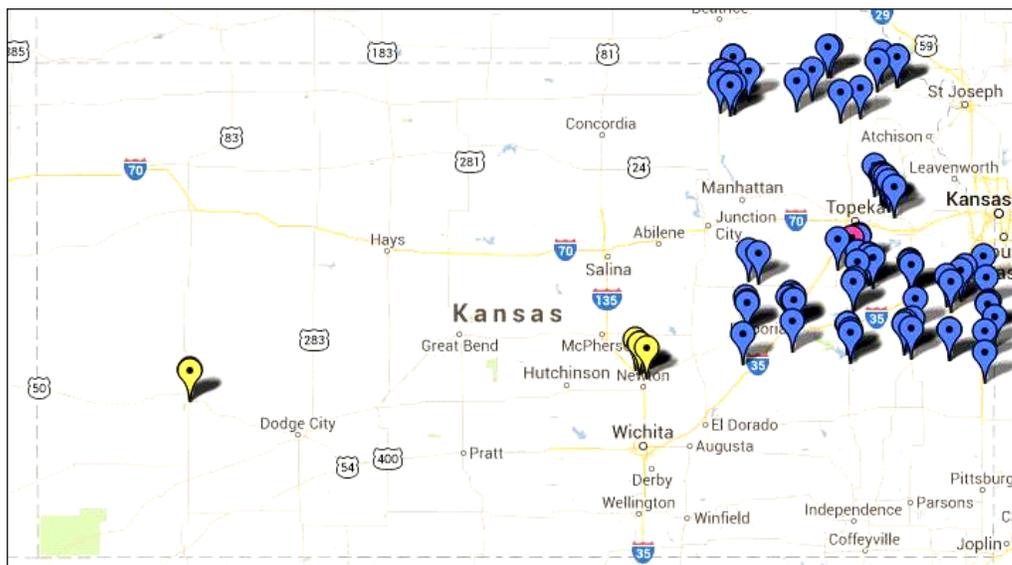
45 sites planned in southeast and south central Kansas

June 3, 2013 – McKinzie May started setting traps.

The WTB is one part of the equation for thousand cankers disease; the disease results from the combined activity of the walnut twig beetle (*Pityophthorus juglandis*) and a canker producing fungus *Geosmithia morbida*.

A four tiered Lindgren funnel trap baited with walnut twig beetle lure is being to trap the beetles.

Walnut twig beetle  
(*Pityophthorus juglandis*)



Locations of WTB traps:  
Yellow – set by Jon Appel  
Blue – set by Brent Jones (seasonal staff)  
Red – set by Laurinda Ramonda



**European grape vine moth**

summer fruit tortrix	<i>Adoxophyes orana</i>
silver Y moth	<i>Autographa gamma</i>
European grape berry	<i>Eupoecilia ambiguella</i>
European grape vine	<i>Lobesia botrana</i>
Egyptian cottonworm	<i>Spodoptera littoralis</i>
cotton cutworm	<i>Spodoptera Litura</i>
Pierce’s Disease	<i>Xylella fastidiosa</i>
Australian grapevine	<i>Candidatus Phytoplasma australiense</i>

**Grape Survey – Farmbill**

June 1, 2013 – All lure received, setting all 6 traps began

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In 2010, the total number of acres of grapes in Kansas vineyards was 342.1 acres on 73 farms and this continues to grow. There were 174.1 acres of grapes harvested with 354.7 tons of grapes produced. Over 60 percent of grapes produced are used at their own operations. The total value in 2010 of grapes produced was \$401,150 and this continues to rise. This is the most recent data that has been accumulated to date.

**Khapra Beetle**

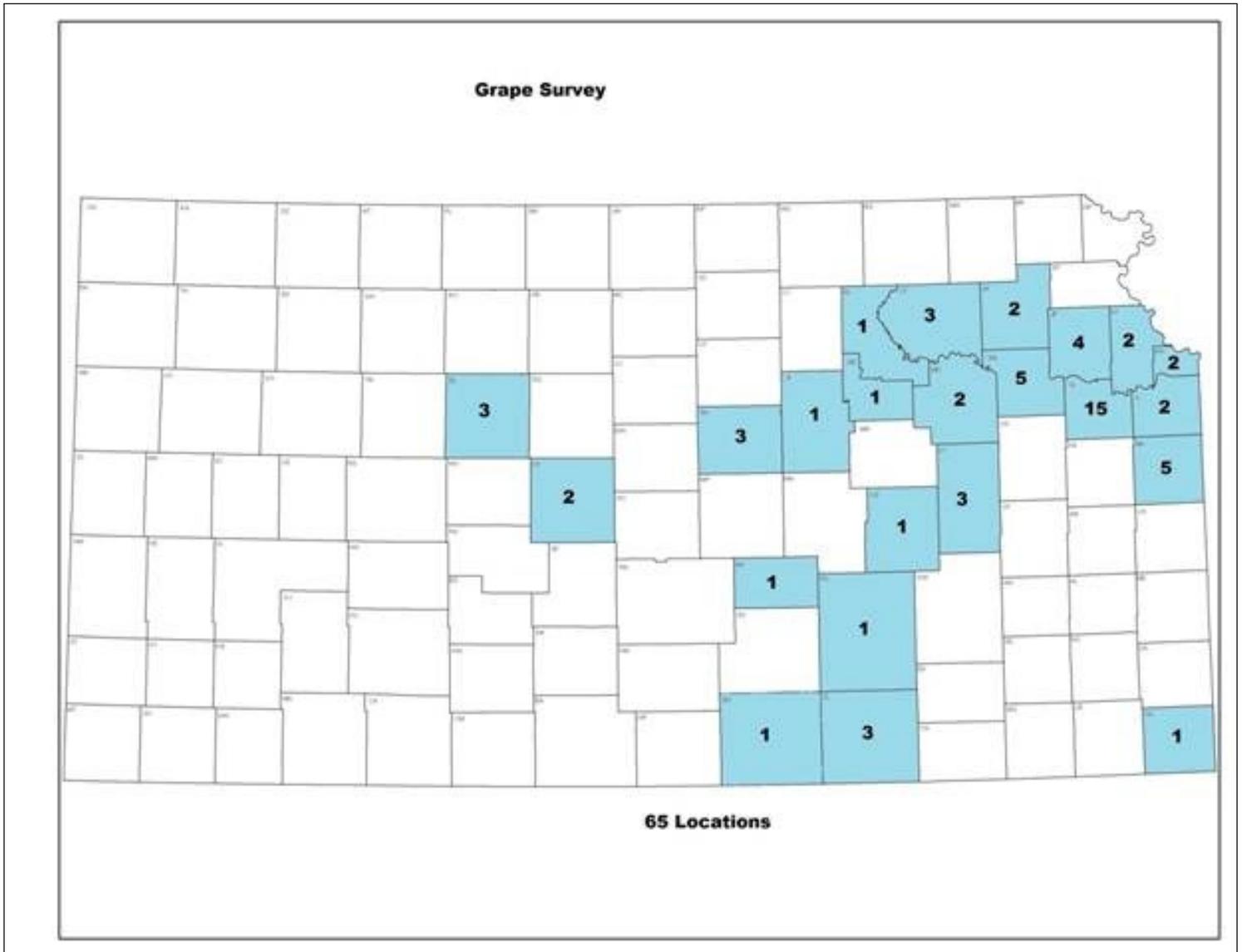
**2012 Khapra Beetle-Farmbill**

- January 30, 2013 – trapping began for 2013 to finish out survey – re-trapped 5 sites that were done in September - four in Kansas City and one in Lawrence
- March 8, 2013 – traps removed for 2013
- Total of 23 different sites were surveyed in 2012.

**2013 Khapra Beetle**

- Survey for Khapra beetle has been expanded for 2013. Forty locations will be surveyed, with two traps per location.
- Start date July 2013
- Wichita, Manhattan, Salina, Lawrence, Kansas City, and Overland Park

# Grape Commodity Survey



Traps used in grape commodity survey: bucket trap, delta trap and wing trap

# Emerald Ash Borer: the green menace

March 8, 2013 – Trapping began.

April 4, 2013 – All traps deployed.

65 EAB Traps in 9 Counties

Butler, Jewell, Osborne, Russell, Smith, Leavenworth, Neosho, Shawnee, Pottawatomie

For more information on EAB:

Do I Have Emerald Ash Borer?

Public Meeting Information

Emerald Ash Borer Quarantine

[http://www.ksda.gov/plant\\_protection/content/379](http://www.ksda.gov/plant_protection/content/379)



EAB Survey

**DON'T MOVE FIREWOOD**



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## EAB Trap Trees

Trees were girdled to produce stress which attract EAB adults. Adults are trapped in a band of tangle foot placed on plastic wrap around the tree. Trees will be removed this fall, and debarked looking for the presence of EAB larvae.

Johnson county-2

Leavenworth county-2

Wyandotte county-3

