

CAPS Survey Report

Year:	2016
State:	Kansas
Cooperative Agreement Name:	Exotic Wood Borer/Bark Beetle Survey
Cooperative Agreement Number:	16-8420-1923-CA
Project Funding Period:	January 1, 2016 – December 31, 2016
Project Report:	CAPS Survey Report
Project Document Date:	January 1, 2016 – June 30, 2016
Cooperators Project Coordinator:	Laurinda Ramonda
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input checked="" type="checkbox"/>
Annual Accomplishment Report	<input type="checkbox"/>

A. Write a brief narrative of work accomplished. Compare actual accomplishments to objectives established as indicated in the work plan. When the output can be quantified, a computation of cost per unit is required when useful

Participants: Laurinda Ramonda – provide training, supervision and shipping of samples to lab
 Greg Chrislip, state entomologist – provide training, supervision and specimen sorting
 Kristina Hamilton - trapping and survey work

- December 8, 2015 – Pre-award letter signed for \$2,088
- December 10, 2015 – Partial cooperative agreement signed for \$2,088
- April 27, 2016 – Full funding cooperative agreement signed for \$8,509 – Total amount for \$10,597
- Mid-March – Kristina Hamilton hired for seasonal position
- May 11, 2016 – Setting traps began
- May 25, 2016 – Traps all set. Lindgren funnel traps for the Japanese pine sawyer and oak ambrosia beetle were only set because no lure arrived for the European hardwood ambrosia beetle. The cross-vane trap – only three of the traps contained three lures for the black spruce beetle because only three spruce blend lures were received.
- June 3, 2016 – Began surveying for *Cerceris* wasp colonies.
- June 29, 2016 – Received lineatin lure for trapping the European hardwood ambrosia beetle.

Funding Amount (USDA)	Funding Amount (KDA)	Total Number of Traps/Visuals	Cost Per Unit
Proposed = \$10,597	Proposed = \$603	Proposed = Traps 100, visuals 25	Proposed= \$89.60
Actual = \$10,597	Actual = \$603	Actual = 75 Traps, 25 visuals	Actual = \$112.00

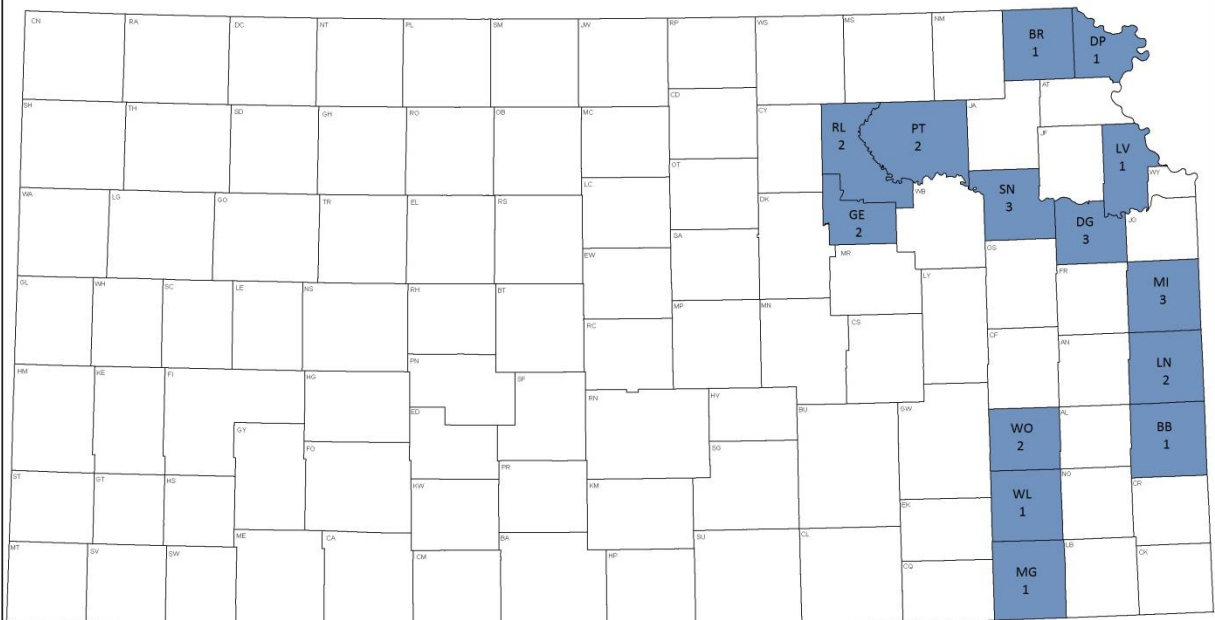
1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Japanese pine sawyer	<i>Monochamus alternatus</i>
	oak ambrosia beetle	<i>Platypus quercivorus</i>
	European hardwood ambrosia beetle	<i>Trypodendron domesticum</i>
	spruce beetle	<i>Tetropium castaneum</i>
	cerceris wasp	<i>cerceris fumipennis</i>
	goldspotted oak borer	<i>Agrilus auroguttatus</i>
	oak splendor beetle	<i>Agrilus biguttatus</i>
	European oak borer	<i>Agrilus sulcollis</i>
	emerald ash borer	<i>Agrilus planipennis</i>

	Proposed	Actual
Sites (Locations):	25	25
Traps:	100	75
Visuals:	25	25

	Proposed	Actual
Number of Counties:	14	14
Counties:	Bourbon, Brown, Doniphan, Douglas, Geary, Leavenworth, Linn, Miami, Montgomery, Pottawatomie, Riley, Shawnee, Wilson, Woodson	Bourbon, Brown, Doniphan, Douglas, Geary, Leavenworth, Linn, Miami, Montgomery, Pottawatomie, Riley, Shawnee, Wilson, Woodson

Counties and Number of Locations Planned for Survey



Exotic Wood Borer/Bark Beetle Survey	
County	No. of Sites
Brown	1
Doniphan	1
Riley	2
Pottawatomie	2
Geary	2
Shawnee	3
Douglas	3
Leavenworth	1
Miami	3
Linn	2
Bourbon	1
Woodson	2
Wilson	1
Montgomery	1
Total	25



Lindgren
funnel
trap in
pine tree



Cross-
vane trap
in pine
tree



2. Survey dates:

	Proposed	Actual
Survey Dates:	May 2016 – June 2016	May 11, 2016 - survey on-going

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	survey on-going	survey on-going	survey on-going

4. Database submissions:

- Data will be submitted to NAPIS after results received from lab.

B. If appropriate, explain why objectives were not met.*

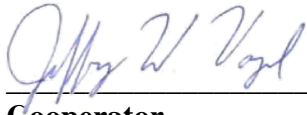
- The European hardwood ambrosia beetle Lindgren funnel traps were not set because no lure was received too late to set them.
- The Japanese pine sawyer Lindgren funnel traps were set using the ethanol and the monochamol lure only because the ultra-high release alpha-pinene lure was not received.
- The black spruce beetle cross vane traps were set with only three traps containing all three lures. The other twenty-two traps had only the ethanol and the geranyl acetol but no spruce blend lure. Only three spruce blend lures were received.

C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.

*

**indicates information is required per 7 CFR 3016.40 and 7 CFR 3019.51*

Approved and signed by



Cooperator

Date: 7/18/2016

ADODR

Date: _____