

**Plant Protection Act §7721
Survey Accomplishment Report Template – FY2022**

Year:	2022
State:	Louisiana
Cooperative Agreement Name:	Citrus Commodity Survey
FAIN:	AP22PPQF0000C302
Project Funding Period:	April 1, 2022 through December 31, 2022
Project Report:	PPA 7721 Survey Report
Project Document Date:	March 14, 2023
Cooperators Project Coordinator:	J. Brett Laird
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Quarterly Report	<input type="checkbox"/>
Semi-Annual Accomplishment Report	<input type="checkbox"/>
Annual Accomplishment Report	<input checked="" 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.

The Louisiana Department of Agriculture and Forestry (LDAF) entered into a Cooperative Agreement with the United States Department of Agriculture (USDA), Animal Plant Health Inspection Service (APHIS), Plant Protection and Quarantine (PPQ) in 2022 to conduct a visual survey for 11 Citrus Commodity Pests. LDAF is conducting this survey according to survey guidelines set forth by the USDA APHIS PPQ in 2022. This PPA 7721 funded project executed by LDAF is strengthening its relationships with a statewide network of cooperators that are helping to identify exotic pest threats, determining and implementing the most effective means of preventing, detecting, and responding to new exotic pests. LDAF is also communicating risks and needs to land management personnel, relevant industries and the public.

LDAF Agriculture and Environmental Science (AES) inspectors were projected to inspect 30 locations in the Spring / Summer and 30 locations in the Fall. Five of our eight districts located in the Southern portion of Louisiana were utilized for this survey.

At the conclusion of this survey, LDAF AES inspectors have surveyed 35 locations in the Spring / Summer and 83 locations in the Fall and have submitted 19 samples resulting in 16 positives for Citrus Greening (*Liberibacter spp.*) and 6 positives for Citrus Canker (*Xanthomonas axonopodis pv. Citri*). All positive samples were taken in previously quarantined parishes for the respective pest, except two. One positive sample for Citrus Greening (*Liberibacter spp.*) was collected in St. John the Baptist parish, which is a new parish for this Disease. This new parish data has been entered into the NAPIS database and a delimiting survey of the parish has been conducted by USDA APHIS PPQ officers and LDAF inspectors, resulting in one additional residential location positive for HLB. A new detection of Citrus Canker (*Xanthomonas axonopodis pv. Citri*) was found in Lafayette parish and a delimiting survey was performed by LDAF resulting in no further detections. USDA APHIS PPQ found Citrus Canker (*Xanthomonas axonopodis pv. Citri*) and Citrus Greening (*Liberibacter spp.*) in St. Tammany parish and a delimiting survey was performed by PPQ and LDAF resulting in numerous more positive finds for both pests located in the southern portion of the parish. Quarantine considerations are on going at this time for the new parish finds.

Dr. Singh at LSU continues to perform diagnostics for Quarantined parishes and USDA APHIS PPQ labs continue to confirm diagnostics for non-Quarantined parishes.

Outreach continues to be a major objective for the Citrus Commodity Survey and is performed prior to every inspection. LDAF AES inspectors educate each tree owner of the survey targets and the symptoms associated with each, thus increasing public awareness and communication of the threats posed by the 11 targeted Citrus Commodity Pests.

Funding Amount	Total Number of Traps	Cost Per Unit
Proposed = \$13,000	Proposed = n/a	Proposed= n/a
Actual = \$13,000	Actual = n/a	Actual = n/a

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Asian Citrus Psyllid Black Scale Citrus Black Spot Citrus Canker Citrus Greening (African Strain) Citrus Greening (Asian Strain) Citrus Variegated Chlorosis Strain Citrus Weevil Spiny Black fly Sweet Orange Scab Citrus Longhorned Beetle	<i>Diaphorina citri</i> , Kuwayama <i>Saissetia oleae</i> <i>Guignardia citricarpa</i> <i>Xanthomonas axonopodis</i> pv. <i>Citri</i> <i>Liberibacter spp.</i> <i>Liberibacter spp.</i> <i>Xylella fastidiosa</i> <i>Diaprepes abbreviatus</i> <i>Aleurocanthus woglumi</i> <i>Elsinoe australis</i> <i>Anoplophora chinensis</i>

	Proposed	Actual
Sites (Locations):	60	118
Traps:	n/a	n/a

Number of Counties:	31
Counties:	Acadia, Allen, Ascension, Assumption, Beauregard, Cameron, Calcasieu, East Baton Rouge, East Feliciana, Evangeline, Iberia, Iberville, Jefferson, Jefferson Davis, Lafayette, LaFourche, Livingston, Orleans, Plaquemines, Pointe Coupee, St. Bernard, St. Charles, St. Helena, St. John the Baptist, St. Landry, St. Martin, St. Mary, St. Tammany, Vermilion, Washington, West Baton Rouge.

2. Survey dates:

	Proposed	Actual
Survey Dates:	April 1, 2022 through December 31, 2022	April 1, 2022 through December 31, 2022

3. Benefits and results of survey:

	Positive	Negative	Total Number
Traps	n/a	n/a	n/a

4. Database submissions:

Survey data was entered into the NAPIS database by Brett Laird (SSC, Louisiana) at the conclusion of the survey.

- B. If appropriate, explain why objectives were not met.
All objectives were exceeded at the conclusion of the survey.**
- C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.
The Citrus Commodity Survey incurred cost overruns of \$3,081 at the conclusion of the survey. This cost overrun was due to more than expected inspections (personnel), fringe benefits, and travel charges.**