

**Plant Protection Act §7721  
Survey Accomplishment Report Template – FY2019**

<b>Year:</b>	<b>2019</b>
<b>State:</b>	<b>Louisiana</b>
<b>Cooperative Agreement Name:</b>	<b>Citrus Commodity Survey</b>
<b>FAIN:</b>	<b>AP19PPQFO000C103</b>
<b>Project Funding Period:</b>	<b>April 1, 2019 through December 31, 2019</b>
<b>Project Report:</b>	<b>PPA 7721 Survey Report</b>
<b>Project Document Date:</b>	<b>March, 2020</b>
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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 2019 to conduct a visual survey for 13 Citrus Commodity Pests. LDAF is conducting this survey according to survey guidelines set forth by the USDA APHIS PPQ in 2019. This PPA 7721 funded project executed by LDAF is strengthening its relationships with a state wide 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. Four of our seven districts located in the Southern portion of Louisiana are being utilized for this survey.

At the conclusion of the Citrus Commodity Survey, LDAF AES inspectors surveyed 95 locations and have submitted 76 samples resulting in 15 positives for Citrus Greening (*Liberibacter spp.*) and 10 positive for Citrus Canker (*Xanthomonas axonopodis pv. Citri*). Included in these inspection and sample numbers were Delimiting Surveys for Citrus Canker (*Xanthomonas axonopodis pv. Citri*) conducted in East Baton Rouge and Livingston parishes.

Dr. Singh at LSU continues to perform diagnostics for Quarantined parishes and USDA APHIS PPQ labs continue to confirm diagnostics for non-Quarantined parishes. There was a total of 123 samples submitted to Dr. Singh at LSU and 10 samples submitted to USDA APHIS PPQ lab during 2019. There was 76 of the 123 total samples taken while conducting the Citrus Commodity Survey and 47 of the 123 total samples were taken while conducting the HLB Citrus Tree Removal Program. Total sample results from Dr. Singh included 75 positives for Citrus Greening (*Liberibacter spp.*) and 27 positives for Citrus Canker (*Xanthomonas axonopodis pv. Citri*). There was 15 of the total 75 positives for Citrus Greening taken during the Citrus Commodity Survey and 60 of the total 75 positives taken during the HLB Citrus Tree Removal Program. There was 10 of the total 27 samples positive for Citrus Canker taken during the Citrus Commodity Survey and 17 of the total 27 positive samples taken during the HLB Citrus Tree Removal Program. The 10 samples submitted to USDA APHIS PPQ lab taken suspecting Citrus Canker in non-Quarantined parishes resulted in 2 new parish positives for Citrus Canker in East Baton Rouge and Livingston 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 13 targeted Citrus Commodity Pests.

Funding Amount	Total Number of Traps	Cost Per Unit
Proposed = \$12,000	Proposed = n/a	Proposed= n/a
Actual = \$12,000	Actual = n/a	Actual = n/a

1. Survey methodology (trapping protocol):

	Common Name	Scientific Name
Pest:	Asian Citrus Psyllid	<i>Diaphorina citri</i> , Kuwayama
	Black Scale	<i>Saissetia oleae</i>
	Citrus Black Spot	<i>Guignardia citricarpa</i>
	Citrus Canker	<i>Xanthomonas axonopodis</i> pv. <i>Citri</i>
	Citrus Greening (African Strain)	<i>Liberibacter</i> spp.
	Citrus Greening (Asian Strain)	<i>Liberibacter</i> spp.
	Citrus Variegated Chlorosis Strain	<i>Xylella fastidiosa</i>
	Citrus Weevil	<i>Diaprepes abbreviatus</i>
	Chilli Thrips	<i>Scirtothrips dorsalis</i>
	Fruit Piercing Moth	<i>Eudocima fullonia</i>
	Spiny Black fly	<i>Aleurocanthus spiniferus</i>
	Passion Vine Mealy Bug	<i>Planococcus minor</i>
	Sweet Orange Scab	<i>Elsinoe australis</i>

	Proposed	Actual
Sites (Locations):	60	95
Traps:	n/a	n/a

Number of Counties:	22
Counties:	Allen, Ascension, Assumption, Beauregard, Calcasieu, Cameron, East Baton Rouge, East Feliciana, Evangeline, Iberia, Jefferson, Lafayette, Orleans, Plaquemines, St. Bernard, St. John the Baptist, St. Landry, St. Martin, St. Mary, St. Tammany, Tangipahoa, Vermilion.

2. Survey dates:

	Proposed	Actual
Survey Dates:	January 1, 2019 through December 31, 2019	April 1, 2019 through December 31, 2019

**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 obtained during this survey.**
  
- C. Where appropriate, explain any cost overruns or unobligated funds in excess of \$1,000.  
The Citrus Commodity Survey incurred cost overruns of approximately \$4,351. This overrun was due to more than expected personnel, travel and sample charges.**