The Cooperative Agricultural Pest Survey (CAPS) Program is a combined effort by state and federal agricultural agencies to conduct surveillance, detection and monitoring of exotic plant pests of agricultural and natural plant resources and biological control agents. Survey targets include plant diseases, insects, weeds, nematodes and other invertebrate organisms.

**Program Goals:**
Detect exotic pests before they become established in Florida’s agricultural and natural areas

**Purpose:**
Early detection for eradication and management planning

**COMMODITY SURVEYS**

Since 2003, the Florida CAPS team conducted surveys for the following commodities:

- Avocado
- Citrus
- Corn
- Cotton
- Herbs
- Nursery
- Peanut
- Pepper
- Potato
- Rice
- Small grains (wheat, rye and oats)
- Soybean
- Strawberry
- Sugarcane
- Tomato

**MISSION**

The Cooperative Agricultural Pest Survey (CAPS) Program is a combined effort by state and federal agricultural agencies to conduct surveillance, detection and monitoring of exotic plant pests of agricultural and natural plant resources and biological control agents. Survey targets include plant diseases, insects, weeds, nematodes and other invertebrate organisms.

**PROTECTING FLORIDA AGRICULTURE FROM INVASIVE PESTS THROUGH SURVEY**

www.FreshFromFlorida.com
1-888-397-1517

FDACS-P-01858
**Asian longhorned beetle**
*Anoplophora glabripennis*
- Attacks healthy hardwood trees with preference for maple
- Ongoing eradication efforts in various parts of the United States

**Emerald ash borer**
*Agrilus planipennis*
- Attacks and kills most varieties of ash trees
- Currently moving throughout the United States

**Redbay ambrosia beetle**
*Xyleborus glabratus*
- Infects with fungus (laurel wilt) which kills bay and avocado trees within months
- Currently in Southeastern United States

**Gold-spotted oak borer**
*Agrilus auroguttatus*
- Attacks and kills oak trees
- Native to Arizona; discovered in California as the cause of significant oak mortality

**Golden-haired bark beetle**
*Hylurgus ligniperda*
- Attacks and kills weakened conifers
- Not yet detected in North America

**Cotton Seed Bug**
*Oxycarenus hyalinipennis*
- Serious pest of cotton and other malvaceous plants (e.g., okra)
- Native to Africa
- Seed feeders that reduce the quality, germination and oil content of cotton - may also stain cotton during ginning process
- Found in Monroe County, Florida in March 2010
- CAPS continues to survey cotton and malvaceous crop growing areas

**Rice Cutworm**
*Spodoptera litura*
- Polyphagous pest of vegetables and field crops. Affects over 40 families of plants.
- Hosts include cotton, peanuts, corn, rice, soybeans, tobacco, ornamental plants, etc.
- Distribution: from western Asia (Afghanistan, NW India, Pakistan) eastward to Korea, China, and Japan; south to Australasian area.
- Not known to be established in the United States.