Trap & Lure

Ambrosia Beetle

Xyleborus spp.

Product Code: AMBRO

Key Crops

- Avocado

Trap & Lure Product Features

- Easy to assemble
- Collapsible for easy storage
- Resistant to rain, sprinklers & harsh weather
- Easy to monitor
- 30-day lure required *(sold separately; replaceable)*
- Attracts multiple Ambrosia Beetle species

Industry Concerns

A cross section of a swampbay tree trunk shows the redbay ambrosia beetle's galleries (white lines) filled with the fungus Raffaelea lauricola, the cause of laurel wilt disease. USDA photo by Stephen Ausmus.

Ambrosia beetles are a serious threat to commercial avocado growers as well as residential homeowners. The beetles are a vector of laurel wilt which often leads to the decline and ultimate death of infected trees.

The pest was originally introduced into the southeastern U.S. from Asia where it is currently an issue in Florida's $100 million dollar avocado industry. There is also considerable concern in the scientific community that the problem will soon spread to California which comprises approximately 88 percent of the domestic commercial avocado market. Mexico's avocado producers are also deemed to be at significant risk.

Proactive monitoring is considered crucial to identify and manage emerging threats.

Consult local extension sources or crop consultants for specific recommendations regarding trap placement, monitoring and subsequent management options.

At least six species of ambrosia beetles are known to vector the fungal pathogen, *Raffaelea lauricola.*

Ambrosia beetles carry fungal spores on their bodies.

Pathogen causes laurel wilt (LW), a lethal disease of trees in the tree family Lauraceae.

Hosts include native ornamental and forest trees such as redbay and swampbay.

Avocado is the most commercially important susceptible crop.

Currently present in the southeastern U.S. with concern of spread to California & Mexico.

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Research Trials

Ambrosia Beetle

Xyleborus spp.

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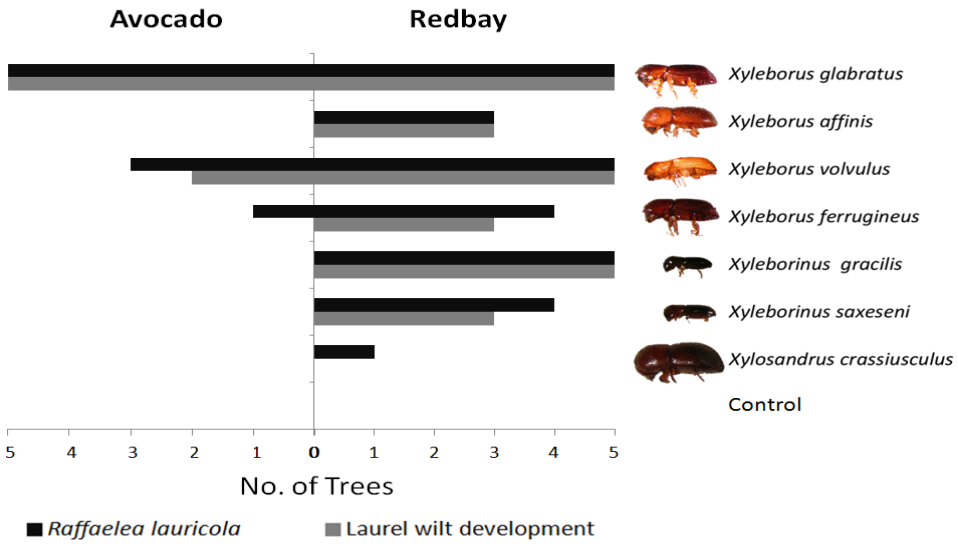
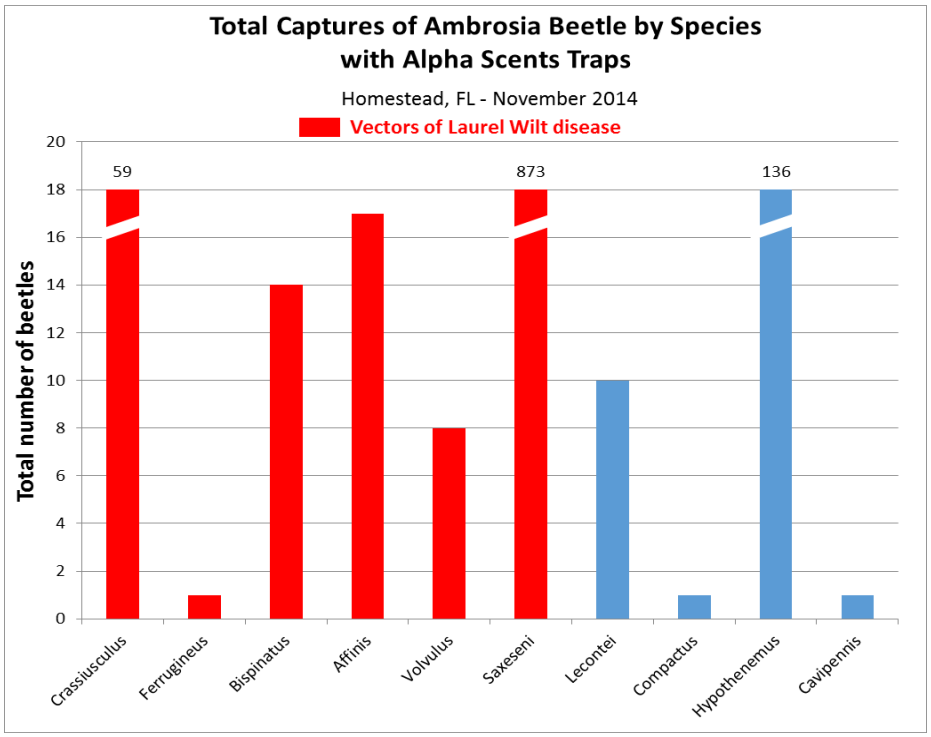
Research trials conducted under funding from USDA NIFA SBIR Phase I with the collaboration of Dr. Daniel Carillo

University of Florida, Homestead, FL



Transmission of *R. lauricola* to, and the development of laurel wilt in, healthy avocado and redbay trees infested with seven species of ambrosia beetles under no choice conditions.



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