



Securing the Future of the Florida Citrus Industry

An Update to

Florida Citrus Growers' Institute

April 2, 2013

Harold Browning, Chief Operations Officer

RECOGNITION OF PARTNERS

- **Growers**
- **Allied Industries**
- **Associations**
- **Research Scientists**
- **Extension Educators**
- **Sponsors**

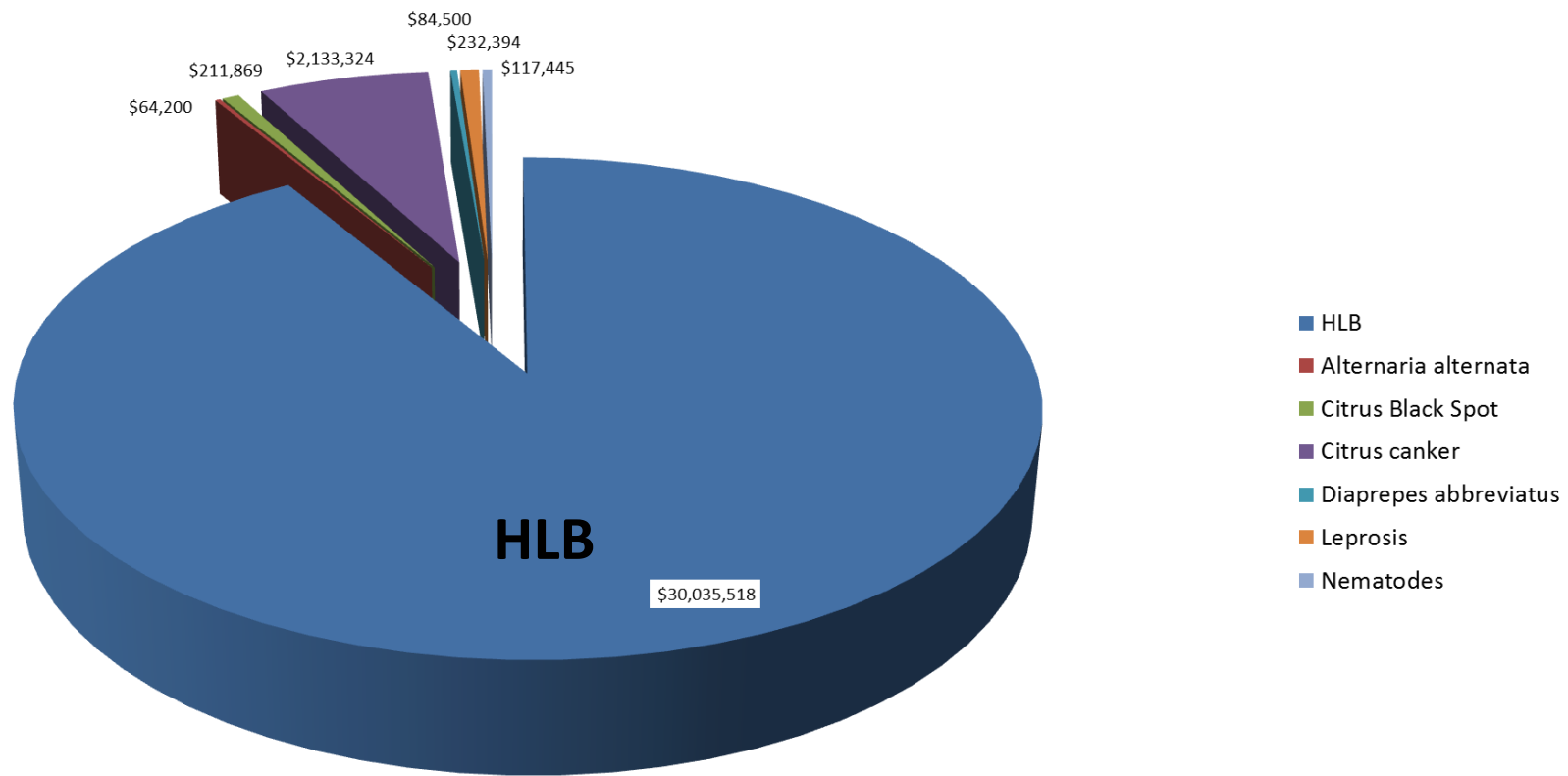
Topics

- **Goals for research**
 - **Preserve capacity of current tree inventory**
 - **Preserve fruit/juice marketing opportunities**
 - **Enable replanting to renew tree inventory**
- **Update on the Research Portfolio**
- **Delivery of Solutions to Growers**

CRDF Overview of the CRDF Research Program

HLB, disease portfolio of 114 research projects

Investment in other important diseases



What's New in Research

- **International HLB Conference – February**
March 6 Grower Day
- **33 New Projects – CATP12**
- **Collaborations between Scientists**
- **Your Program Today – 14 Presentations**

Delivery of Results

- **Commercial Product Development (Delivery)**
- **8 Projects – Move research to next steps**
 - Neonicotinoids
 - Anti-Microbials
- **3 new projects added in March, 2013**
 - Tolerant Rootstock Candidates
 - Plant Growth Regulators & Role with HLB
 - Phloem Restoration and Fruit Drop
 - HLB Escapes

Ultimate HLB Management

**Asian Citrus Psyllid
Population**

Pesticides
Biological Control
Attract/Repel
Defective ACP
Cooperative Control



Low

Transmission

X

**Clas Bacterial
Innoculum**

Better Detection
Tree Removal
Antimicrobials
Tree Defense
Other Therapy



Low

Infection

X

**Tree Susceptibility
To HLB**

Optimal Nutrition
Irrigation
Increase Plant Defense
Breeding for Resistance
Incorporate Anti-HLB genes



Low

Tree Injury

=

**Reduced HLB Disease
Severity**

CRDF is proud to provide support to the industry



Thank you!