

A stylized graphic of an orange fruit, rendered in shades of blue and purple, positioned in the upper left quadrant of the slide. The fruit is partially obscured by a large, faint, circular outline that frames the central text.

# Introduction to the “HLB Playbook”

# HLB Playbook

- **Provide a comprehensive summary of practices and interventions to demonstrate how they do or do not fit into managing tree health in the presence of HLB.**

# Playbook Content

- **Management of existing groves / trees**
- **Establishing / Managing new plantings**
- **Future tools (ongoing research)**
- **Approaches tested that don't work**

# Management of existing groves

- **Fertilization / irrigation practices**
- **Pruning**
  - (root/shoot balance)
- **Root health**
  - root loss, phytophthora, bicarbonate management
- **HLB therapies**
  - bactericides, thermal therapy

# Management of existing groves

- **Psyllid management**

- Scouting / thresholds, insecticide / application method selection, border management, etc...

- **Other disease considerations**

- PFD, Phytophthora, Melanose, greasy spot, black spot, blight

- HLB can exacerbate all these diseases

# Establishment / Management of New Plantings

- **Rootstock / Scion selection**
  - New varieties
- **Planting density**
  - Tree growth, limitations of soil-applied insecticides
- **Windbreaks**
  - Value and selection criteria

# Establishment / Management of New Plantings

- **Psyllid management**
  - Insecticide choice and timing
  - Non-traditional approaches (reflective mulch)
- **Grove scouting / mapping**
  - Decision making on rogueing, application of preventive and/or curative treatments

# Future Tools (ongoing research)

- **HLB therapies**
  - Bactericides, nanoparticles, microbial, etc...
- **Resistant Plants**
  - Conventional breeding, RNAi, genetic transformation, genome editing of plants



# Approaches tested that haven't worked

- **Repository of information of approaches tested that didn't show promise**
  - Rationale for the approach, what was evaluated, and outcomes

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**“HLB Playbook”**  
will be available in early 2017