Current HLB Situation & Citrus Producer’s Perspective in the U.S.

Jim Snively
2 Counties
14 Counties
Where is it? June 2007

24 Counties
% Infected Trees (in blocks w/HLB) – 2008 Scouting
Blue - Asian strain of HLB; Green – Asian and African strains of HLB; Yellow – African strain of HLB; Purple – Asian and American strains of HLB.
(Map produced by the California Department of Food and Agriculture, GIS/GPS Laboratory.)
ACP Found in Texas in 2001

- ACP has been found in 32 Counties
- No HLB found in Texas
ACP & HLB Found in Louisiana
June 2008
ACP Found in California
August 2008

• No HLB found in California
What We Know Today

Growers must Maintain Low Incident Rates

- Inspection
- Tree Removal
- Psyllid Control
- Clean Nursery Stock

No Science to support any other practice
• 36 Scouts (Inspectors) on ~16,500 acres
• Scouts work in pairs, walking both sides of a tree row
• HLB/greening suspect trees are flagged, including small flag on symptomatic branch
• Final confirmation of suspect trees is performed by three experienced, well-trained “Senior Scouts”
Tree Removal
Spray Program – Pre Canker and HLB

- **Dormant Spray**- December/January: Urea & Nutriphite
- **Post Bloom Spray**- March/April: Oil, Nutriphite, Potassium Nitrate, Nutritional
- **1st Summer Oil**- May/June: Oil, Copper, Potassium Nitrate, Nutritional
- **2nd Summer Oil**- July/August: Oil, Copper, Nutriphite, Nutritional, and miticide (if needed)
- **3rd Summer Oil**- September/October: Oil, Copper, Nutritional, and miticide (if needed)

- **Young Trees Only**- March/April and August: Admire trunk/soil drench applications
Spray Program – Post HLB

- **Dormant Spray** - December/January: Urea, Nutriphite, Danitol 2.4 EC
- **Systemic Control** - December/January: Temik
- **Post Bloom Spray** - March/April: Oil, Copper, Nutriphite, Potassium Nitrate, Nutritional, Dimethoate 5 Pound (Aqueous Formulation)
- **1st Summer Oil** - May/June: Oil, Copper, Potassium Nitrate, Nutritional, Provado 1.6 F
- **2nd Summer Oil** - July/August: Oil, Copper, Nutriphite, Nutritional, Lorsban 4EC and miticide (if needed)
- **3rd Summer Oil** - September/October: Oil, Copper, Nutritional, Provado 1.6 F and miticide (if needed)
- **Young Trees Only** - March/April and August: Admire trunk/soil drench applications
Southern Gardens Citrus Nursery
Trenton, FL
Cumulative HLB Infection Rate

Cumulative Infection Rate

Date

% Infection

30.00%
25.00%
20.00%
15.00%
10.00%
5.00%
0.00%

01/05/06 05/06-10/06 10/06-01/07 01/07-07/07 07/07-12/07 12/07-05/08 05/08-12/09 12/09-02/10 02/10-05/10 05/10-09/10

6th inspection completed at Southern in 18 months

Southern
Devil's Garden
Dunwody/Alcoma

United States Sugar Corporation
Southern Gardens
Economics

- Inspection - $110.00 per acre
- Tree Removal - $60.00 per acre
- Resets & Planting - $56.00 per acre
- Psyllid Control - $250.00 per acre
- Total HLB Cost - $476.00 per acre
- Total Production Cost - $1,376.00 per acre
Economics

• Lost Production
  – Through February 2009, have removed 392,352 trees
  – @ 6.3 lbs solid per box and 2.25 boxes per tree

= 1,548,626 loss in boxes or a loss of $9,756,341 over 3 years
Economics

• 16,500 ac X $476/ac X 3 Years = $23,562,000

• Lost production = $9,756,341

Total $33,318,341
Economics

Net Income/Acre @ $0.80 per LBS Solid @ 6.3 LBS Solids/Box

Boxes/Acre

$0  $200  $400

$19  $159  $298

$(121)  $(260)  $(400)

$(741)  $(813)  $(960)

$(1,000)
Net Income/Acre @ $1.00 per LBS Solid @ 6.3 LBS Solids/Box

Boxes/Acre

- 200
- 250
- 300
- 350
- 400
- 450
- 500
- 550
- 600

- $1,200
- $1,000
- $800
- $600
- $400
- $200
- $0
- ($200)
- ($400)
- ($600)
- ($800)

Net Income/Acre

Graph showing the relationship between boxes per acre and net income per acre.
Economics

Net Income @ $1.25 per LBS Solid @ 6.3 LBS Solids/Box

Boxes/Acre

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<th>Boxes/Acre</th>
<th>Net Income/Acre</th>
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<tr>
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Net Income/Acre
Long Term

• Improve Efficiency
• Support Research
• Increased Consumption
• Increased Demand
• Better Returns to the Grower
Is HLB “THE REAL DEAL”?  

April 19, 2007
Is HLB “THE REAL DEAL”?

December 16, 2008
Thank You!!!!!!!

Mike Irey, Tim Gast, and all of our Southern Gardens Team