

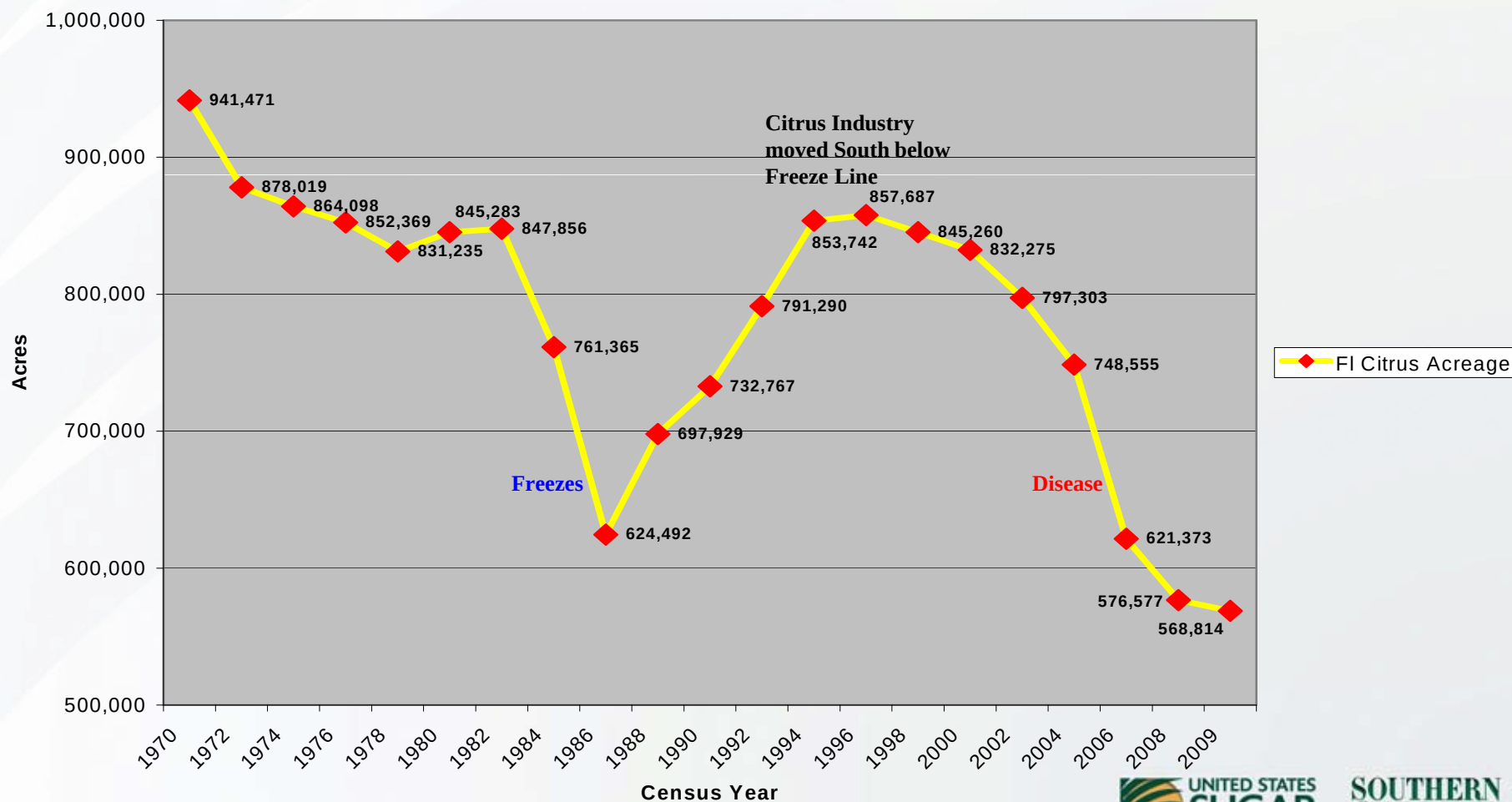


Citrus Producer's Perspective on Current Citrus Situation in Florida

Jim Snively

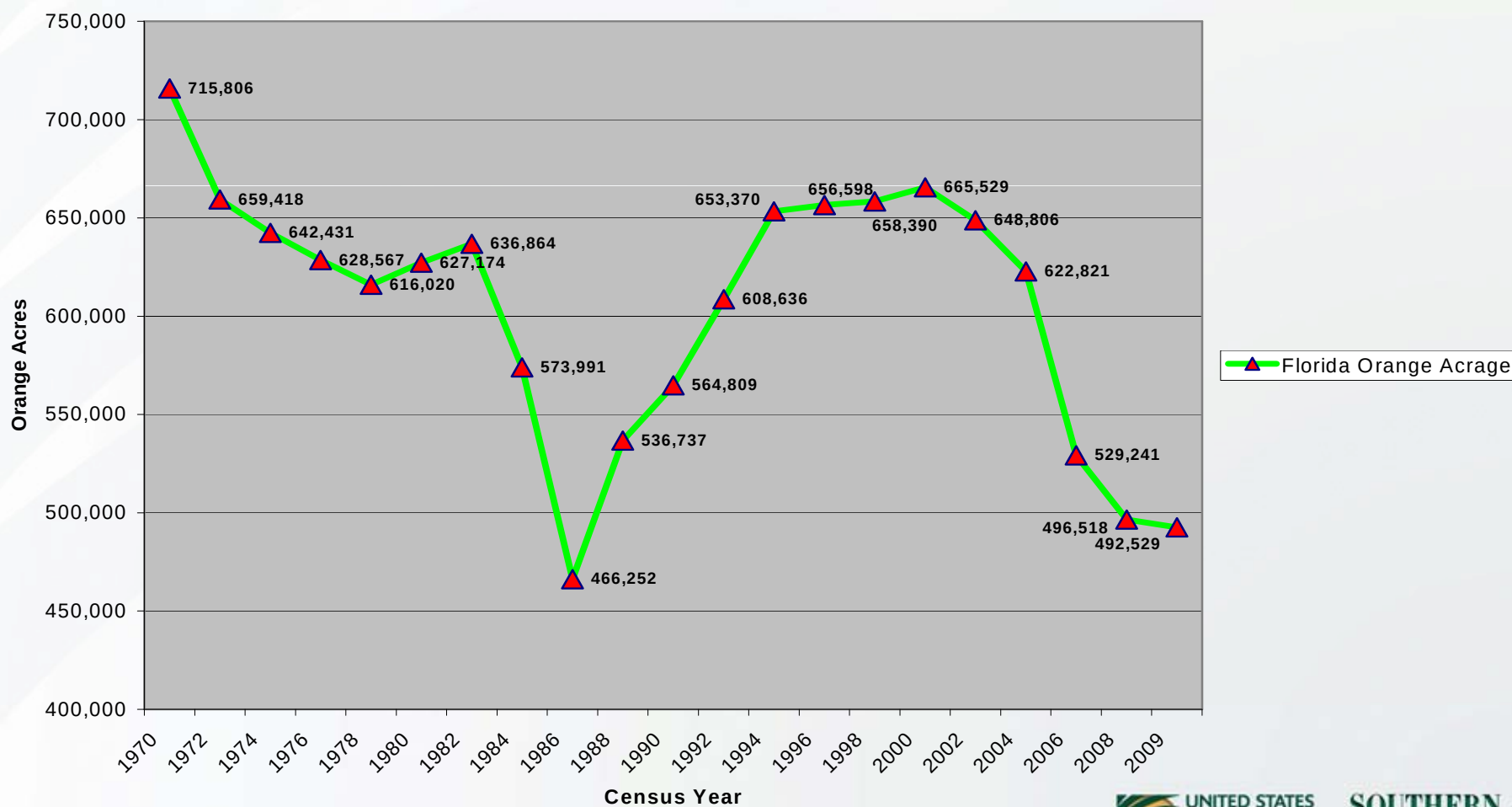
Florida Citrus Acreage – 29 Years

Florida Citrus Acreage



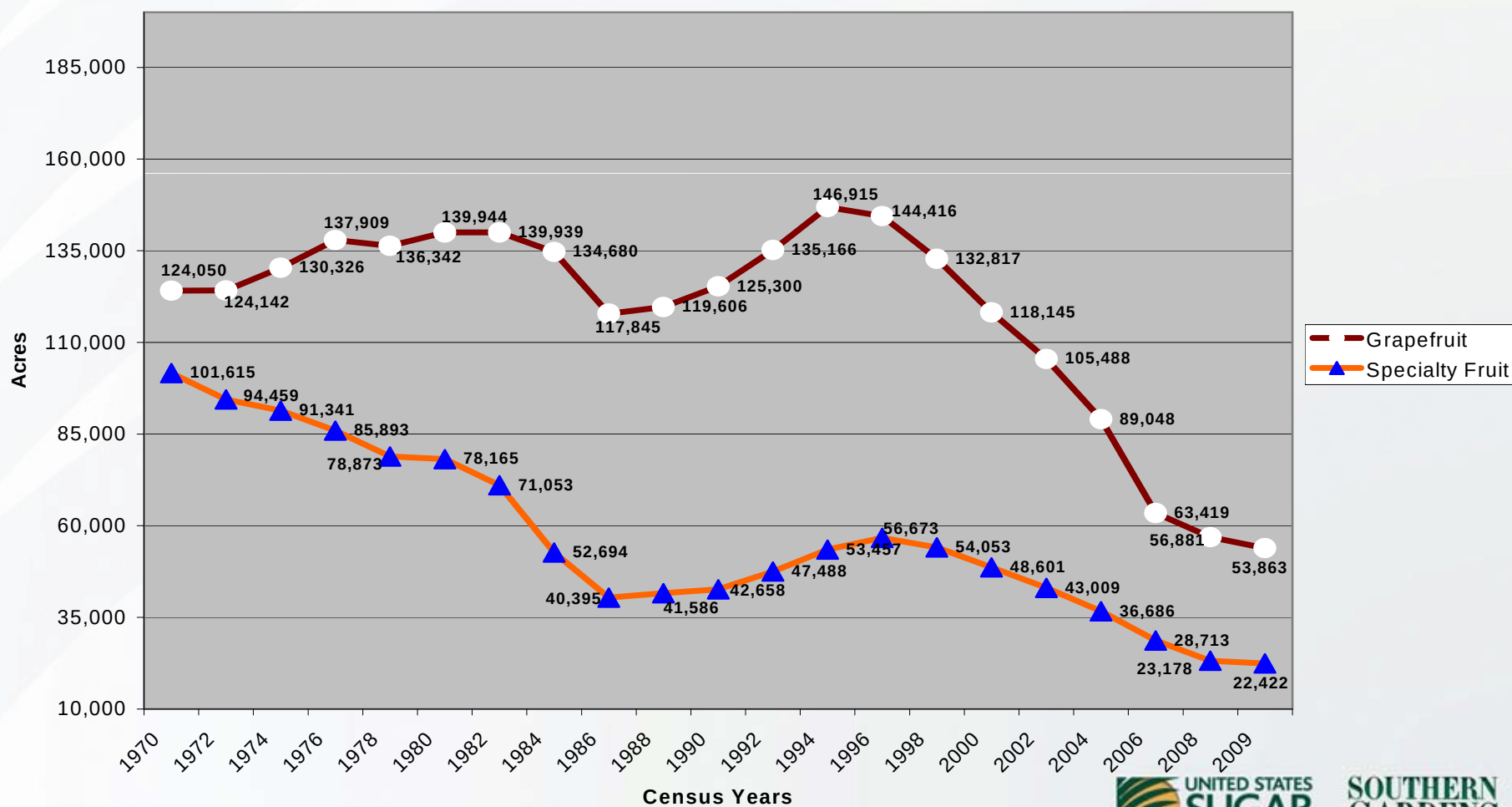
Florida Orange Acreage – 29 Years

Florida Orange Acreage



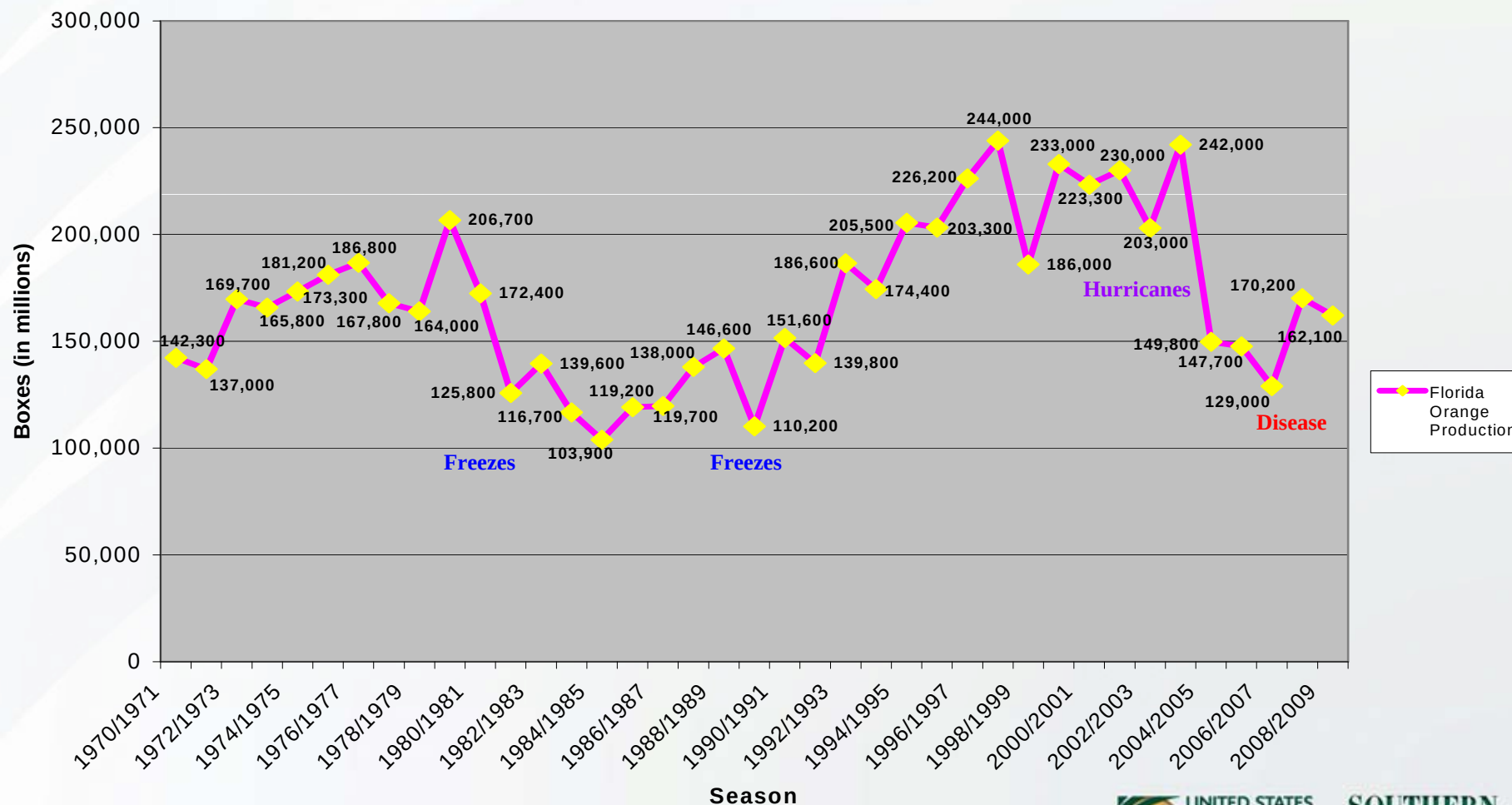
Florida Grapefruit & Specialty Fruit Acreage – 29 Years

Grapefruit & Specialty Fruit Acreage



Florida Orange Production 29 Years

Florida Orange Production



Disease

- 2004 Hurricanes – Charley, Frances, & Jeanne - Spread Canker across all of Florida
- 2005 Hurricanes – Wilma – Intensified Canker issue
- Eradication Program – Stopped in 2006
- Living with Canker

Citrus Canker



Citrus Canker



Citrus Canker



2005 10 4

Citrus Canker



Haunglongbing – HLB - Greening

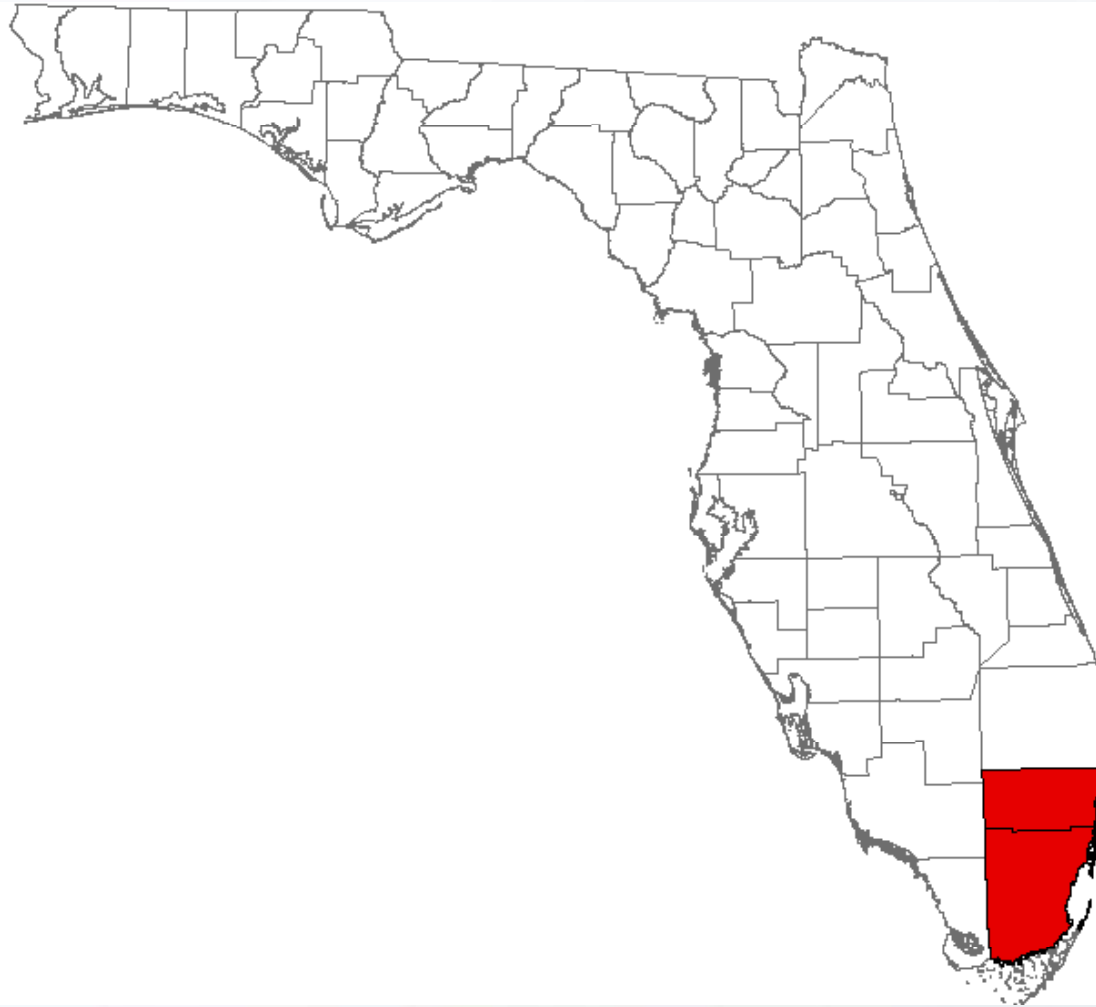


Asian Citrus Psyllid - ACP



Where is it?

October 2005

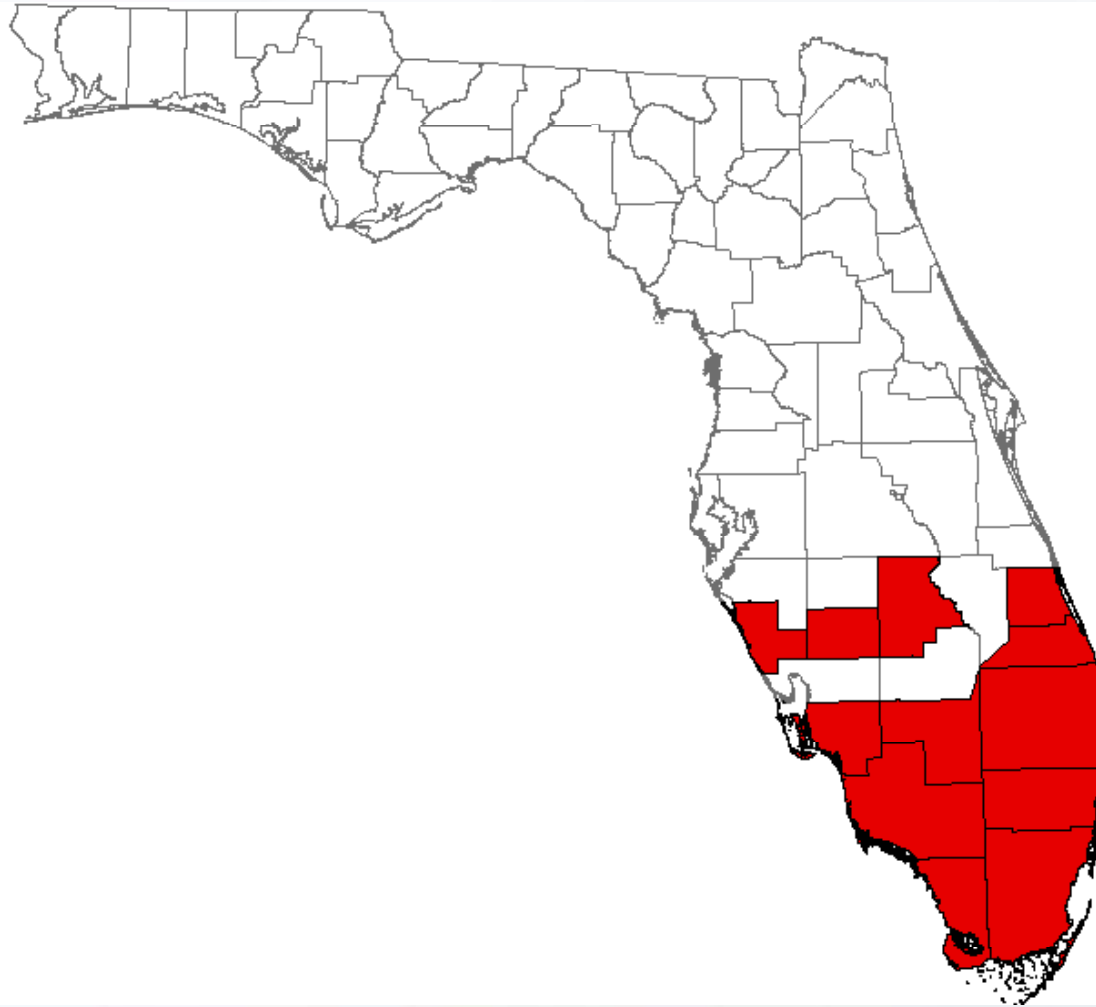


2 Counties



Where is it?

April 2006

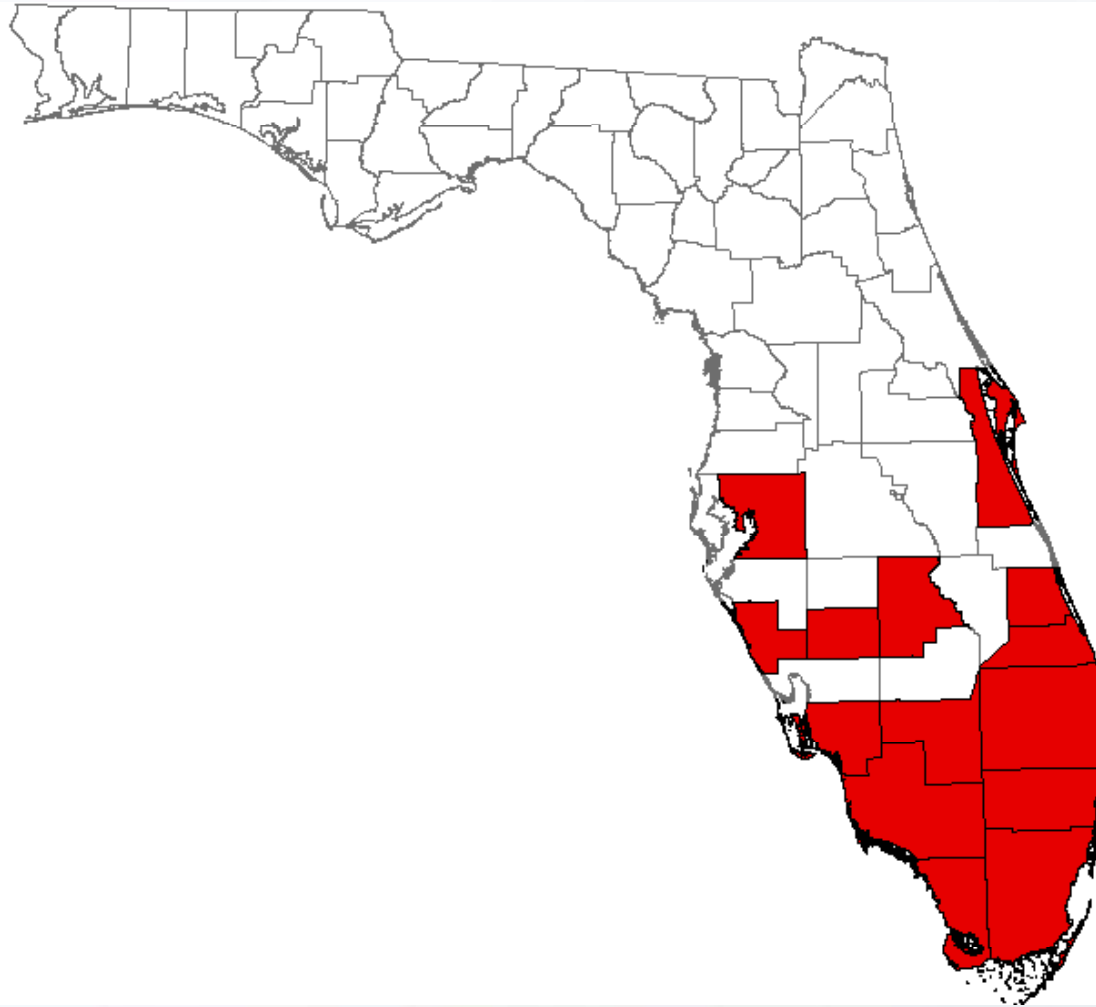


12 Counties



Where is it?

January 2007

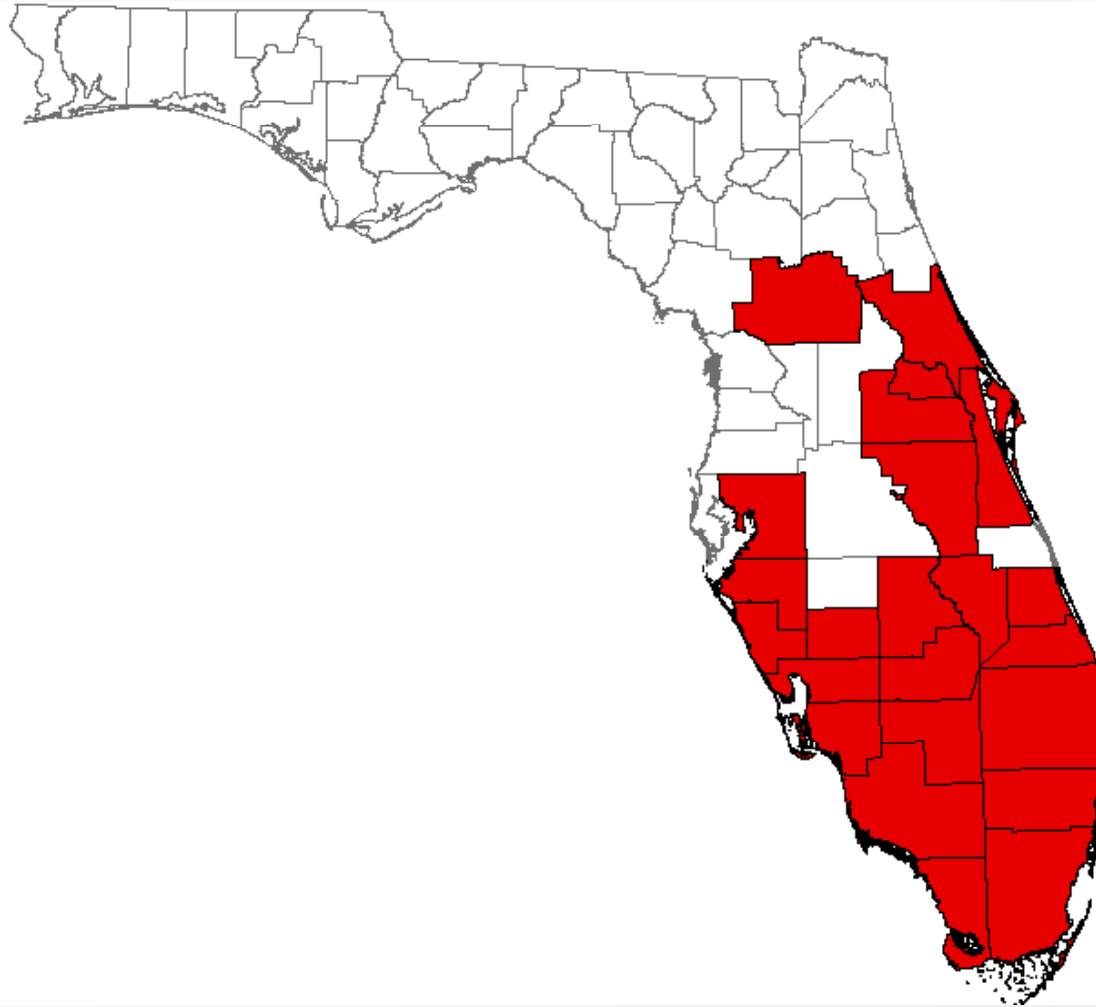


14 Counties



Where is it?

June 2007

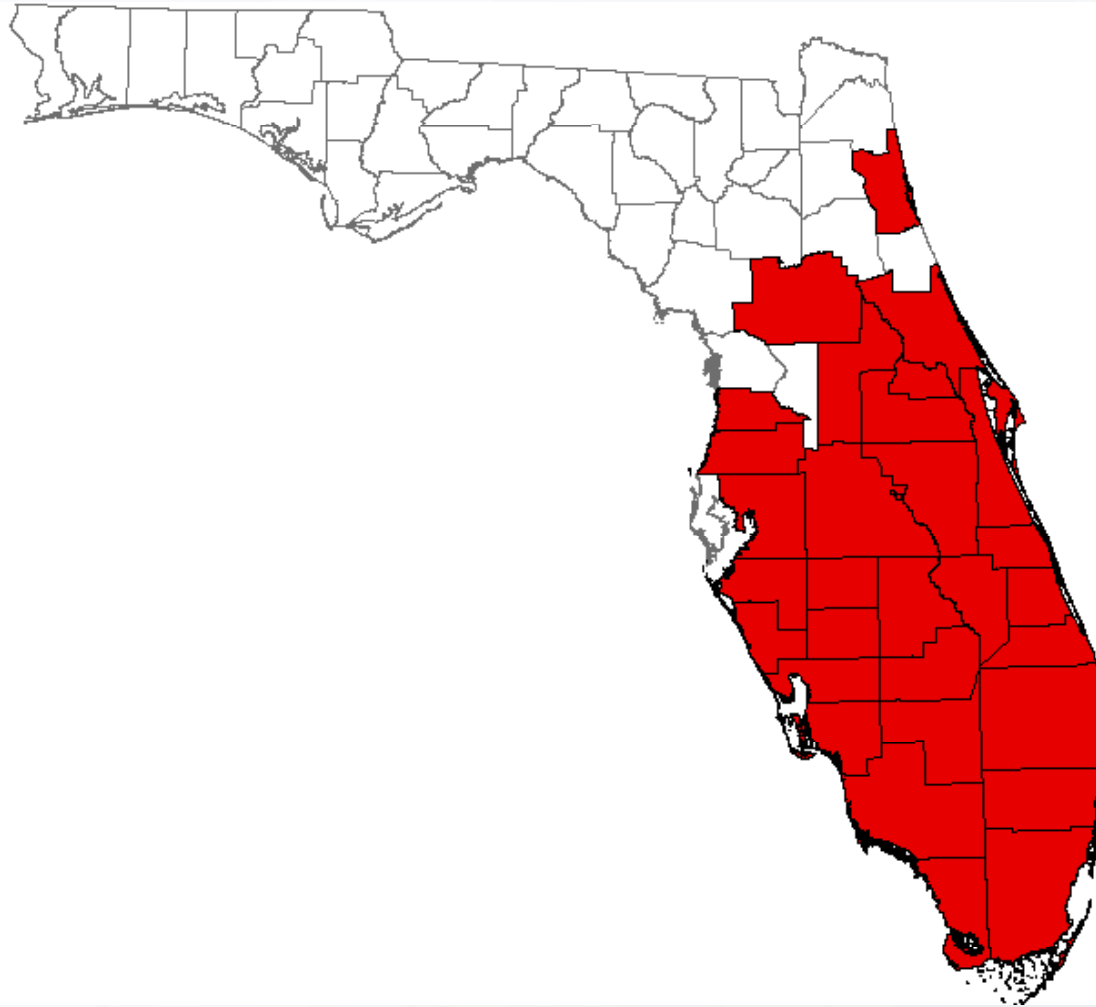


24 Counties



Where is it?

December 2007

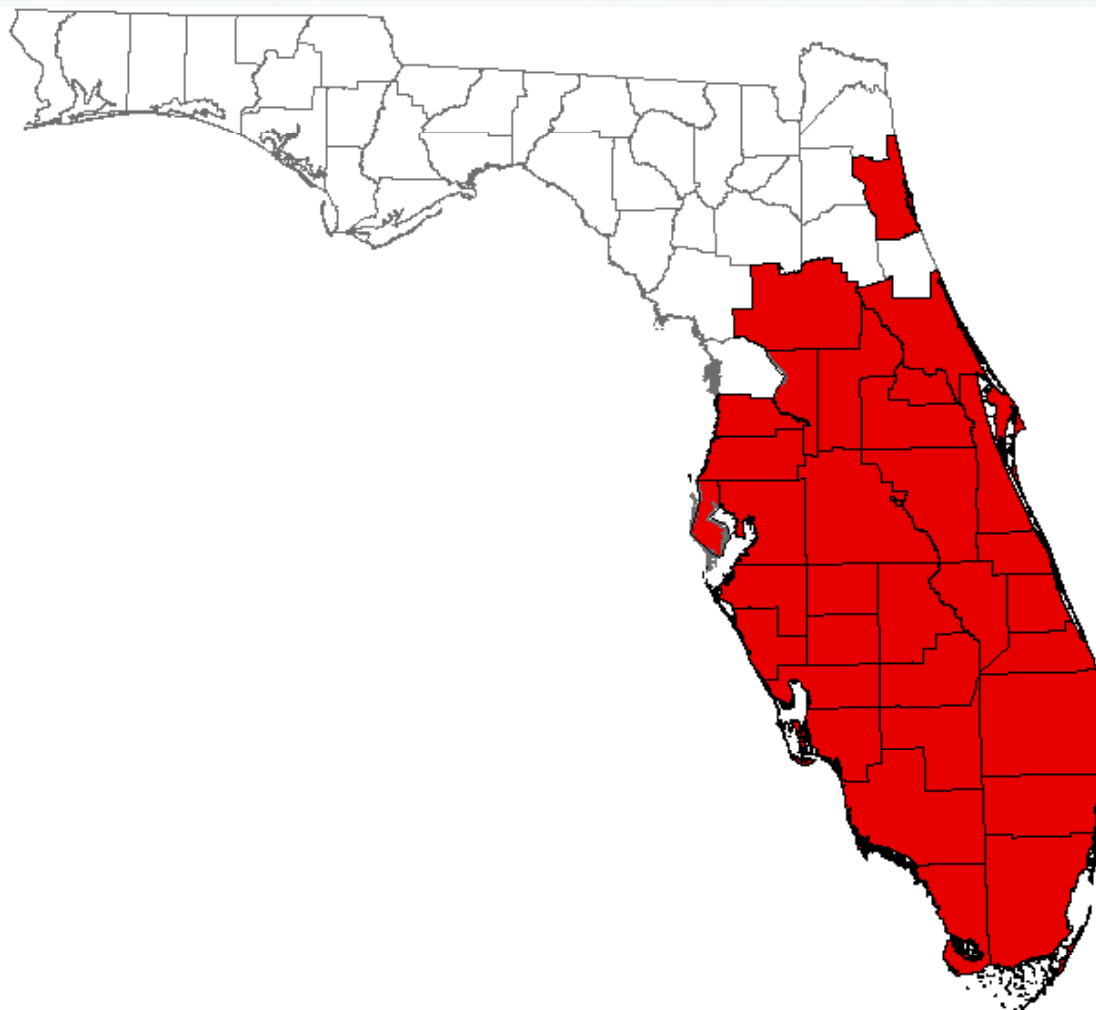


31 Counties



HLB Increasing Throughout the State

August, 2008

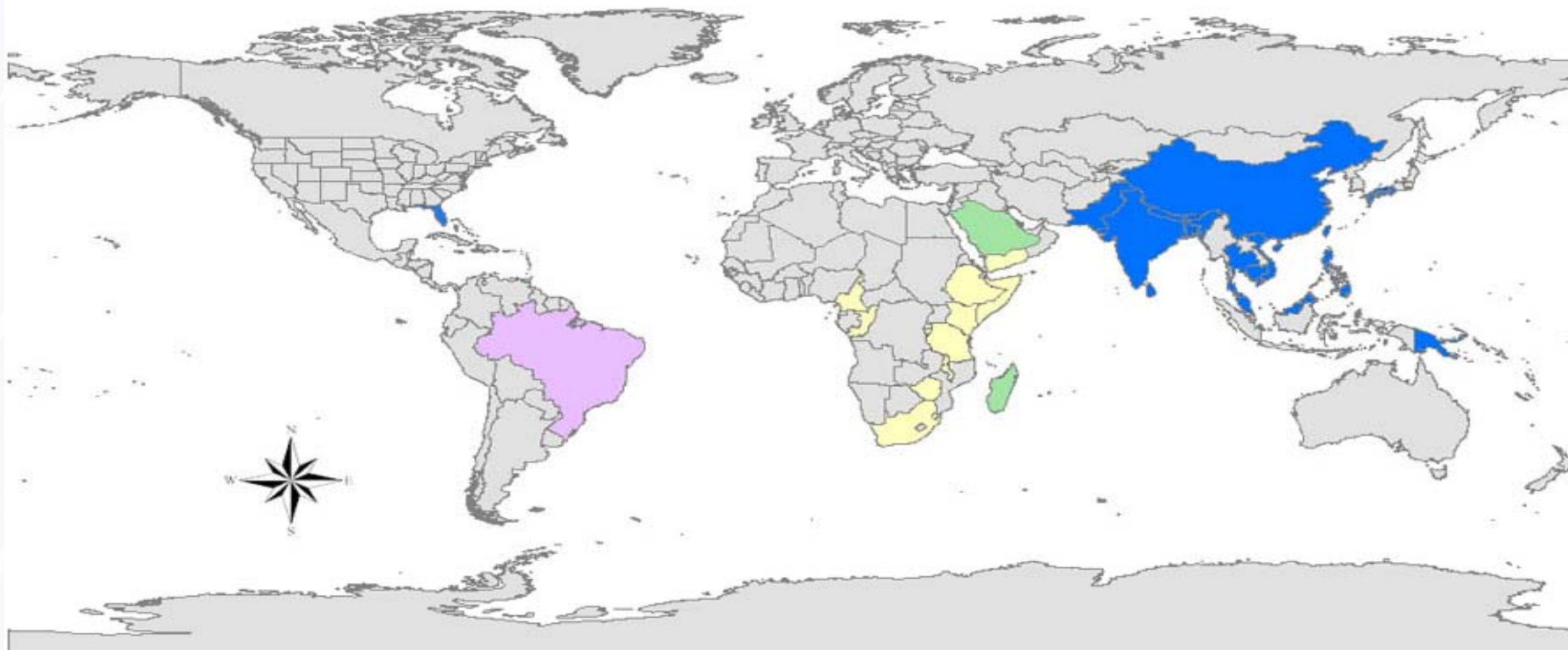


32 counties

HLB found in all Commercial Citrus Producing Counties



World Wide Issue



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



UNITED STATES
SUGAR
CORPORATION

SOUTHERN
GARDENS
CITRUS

ACP & HLB Found in Louisiana

June 2008



ACP Found in California

August 2008

- No HLB found in California



HLB

What We Know Today

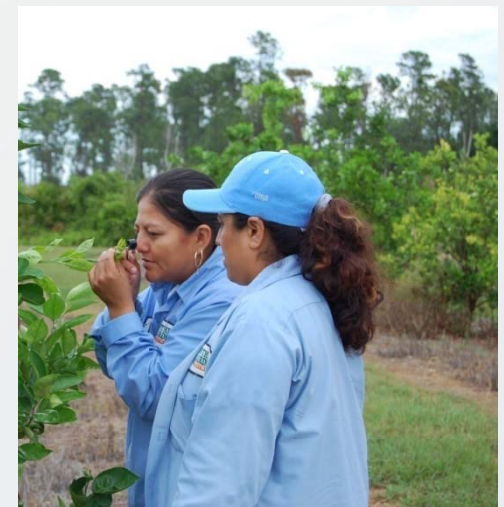
Growers must Maintain Low Incident Rates

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

No Science to support any other practice

Inspection for HLB at Southern Gardens

- 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

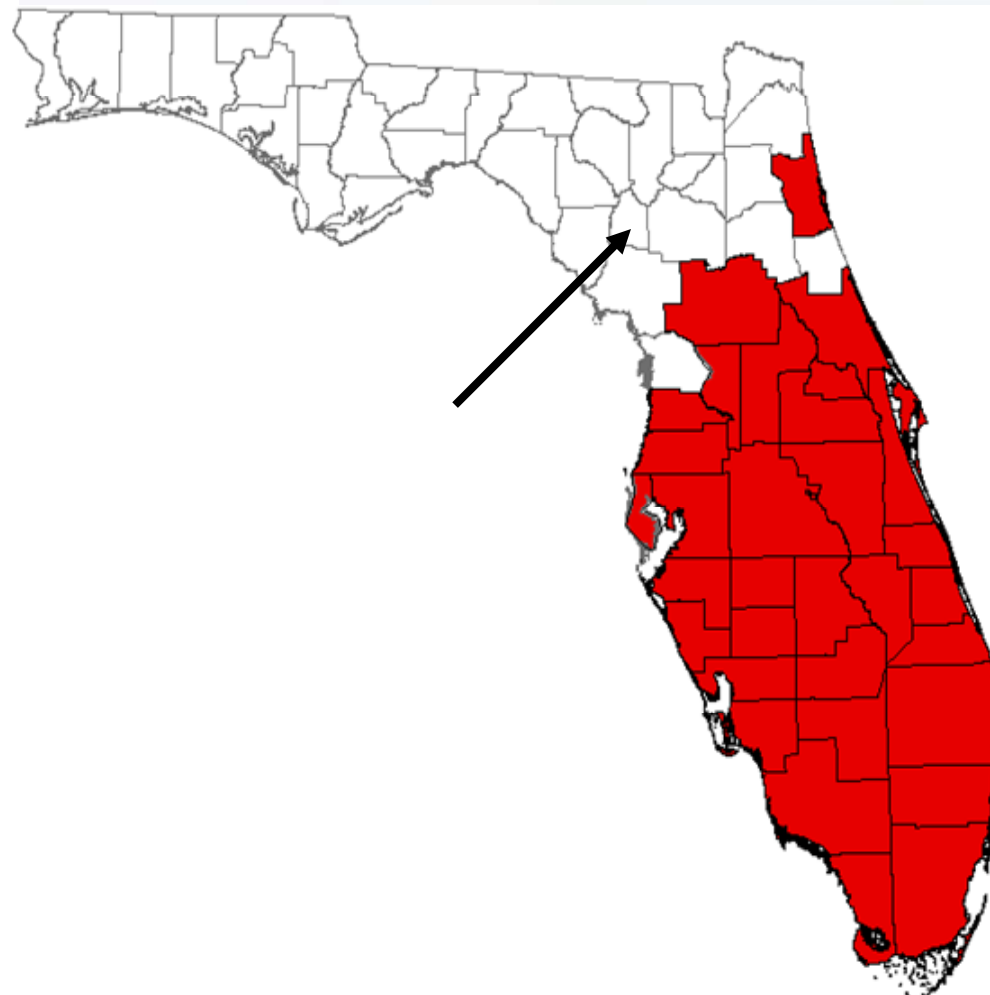
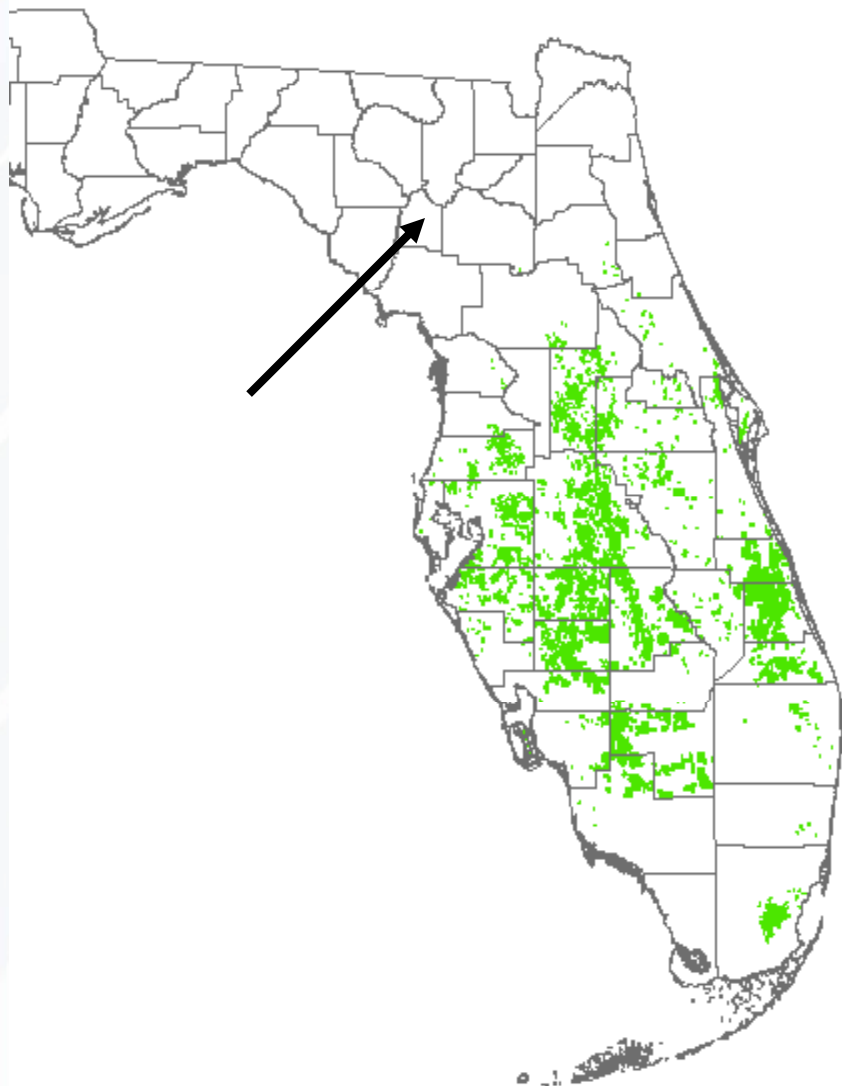
Spray Program – Post HLB

- **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)
- Aerial Application - **Imidan**
- **Young Trees Only**- March/April and August: Admire trunk/soil drench applications

Southern Gardens Citrus Nursery Trenton, FL



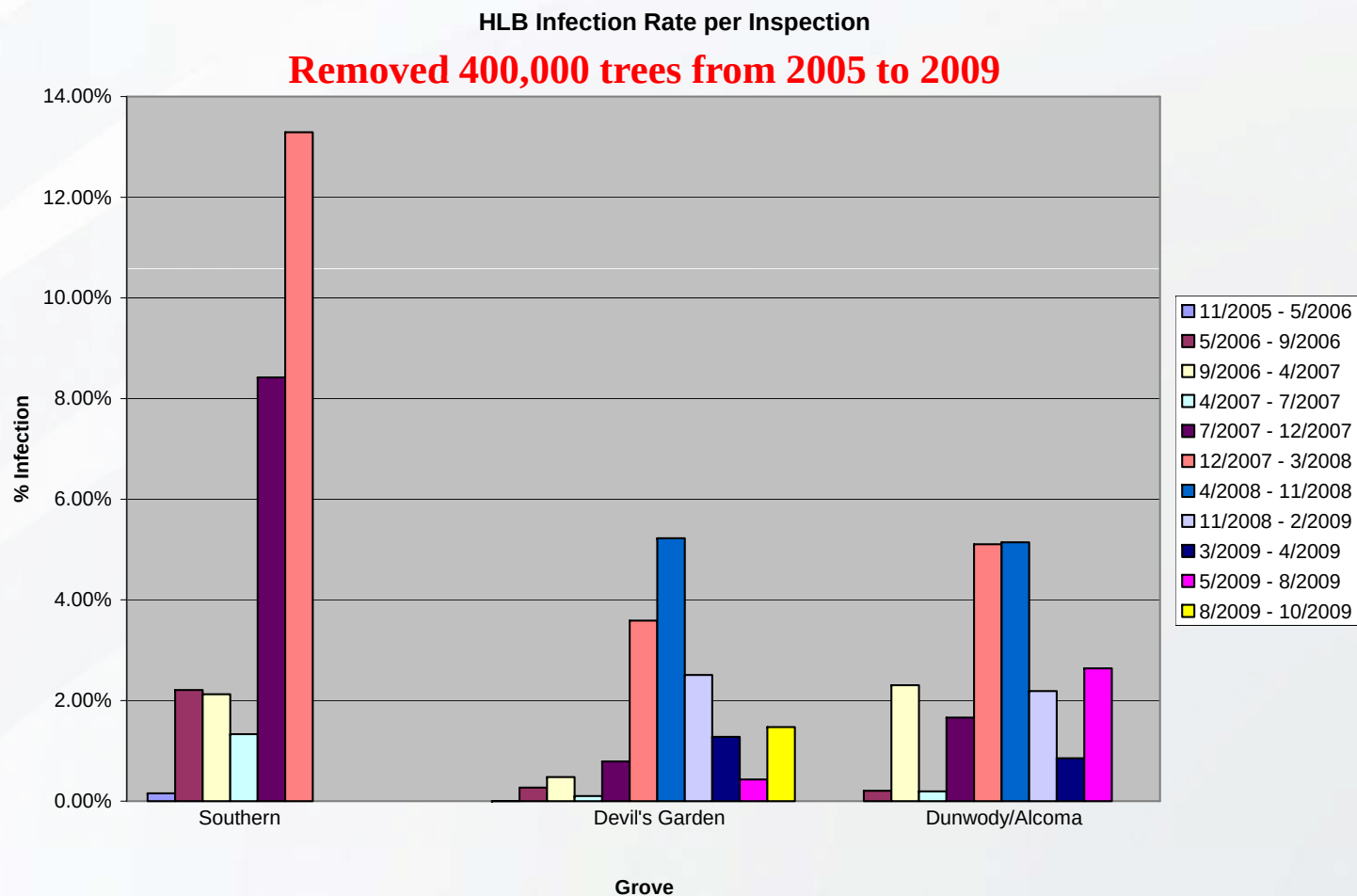
Nursery Location



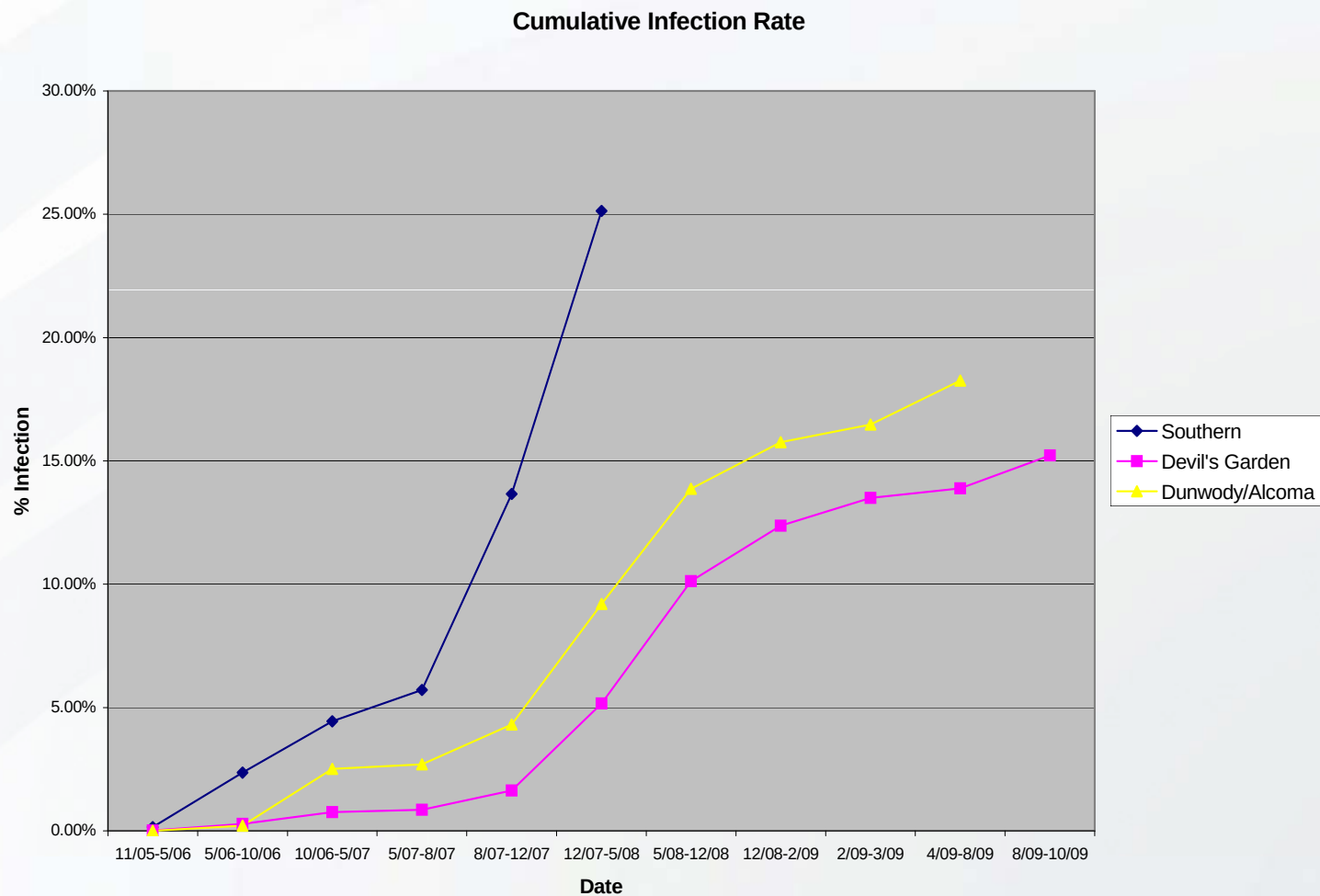




HLB Infection Rate per Inspection



Cumulative HLB Infection Rate



Economics

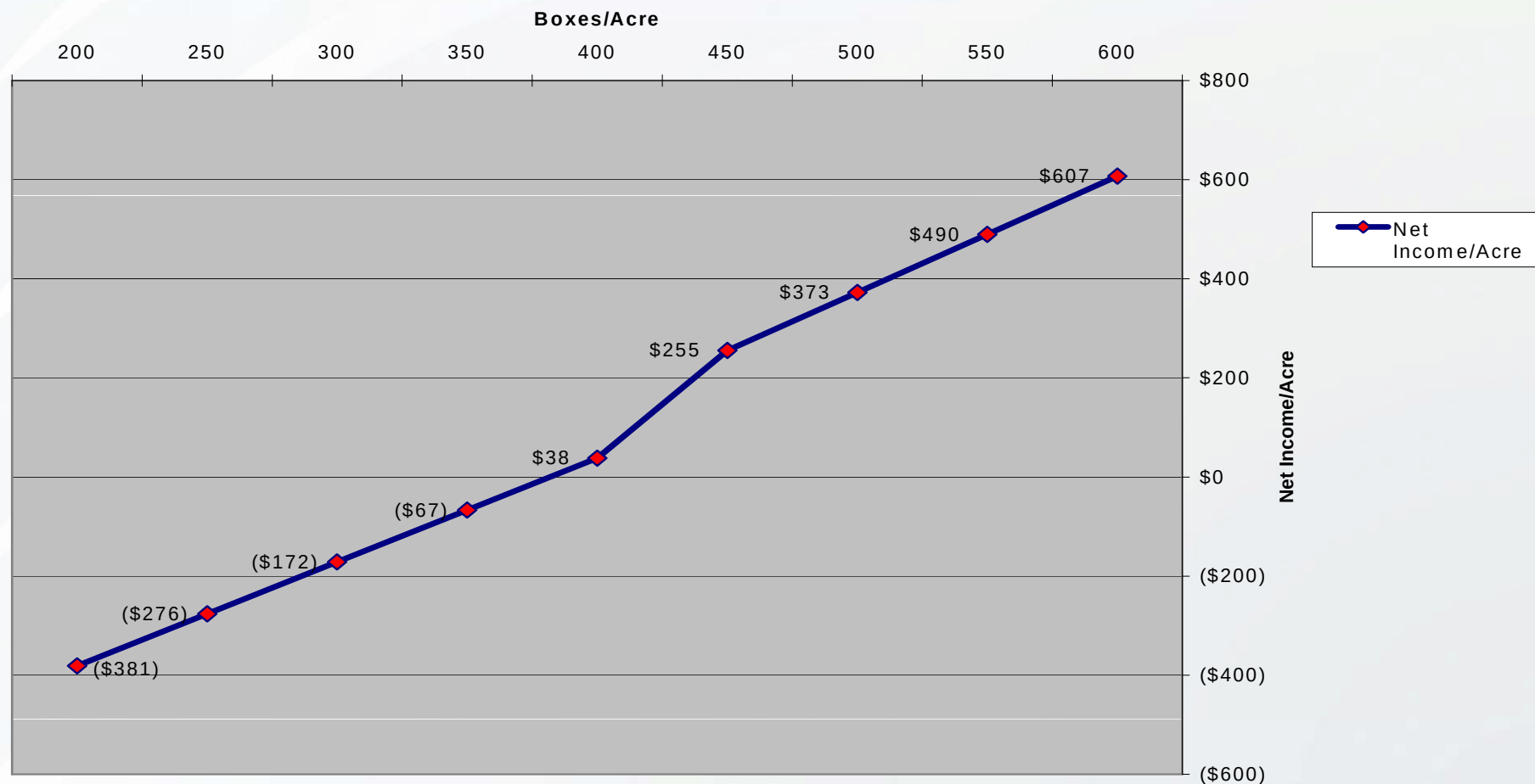
- Inspection - \$110.00 per acre
- Tree Removal - \$60.00 per acre
- Resets & Planting - \$100.00 per acre
- Psyllid Control - \$250.00 per acre
- **Total HLB Cost - \$520.00 per acre**
- **Total Production Cost - \$1,420.00 per acre**

Grower Price per Pound Solid 29 Years



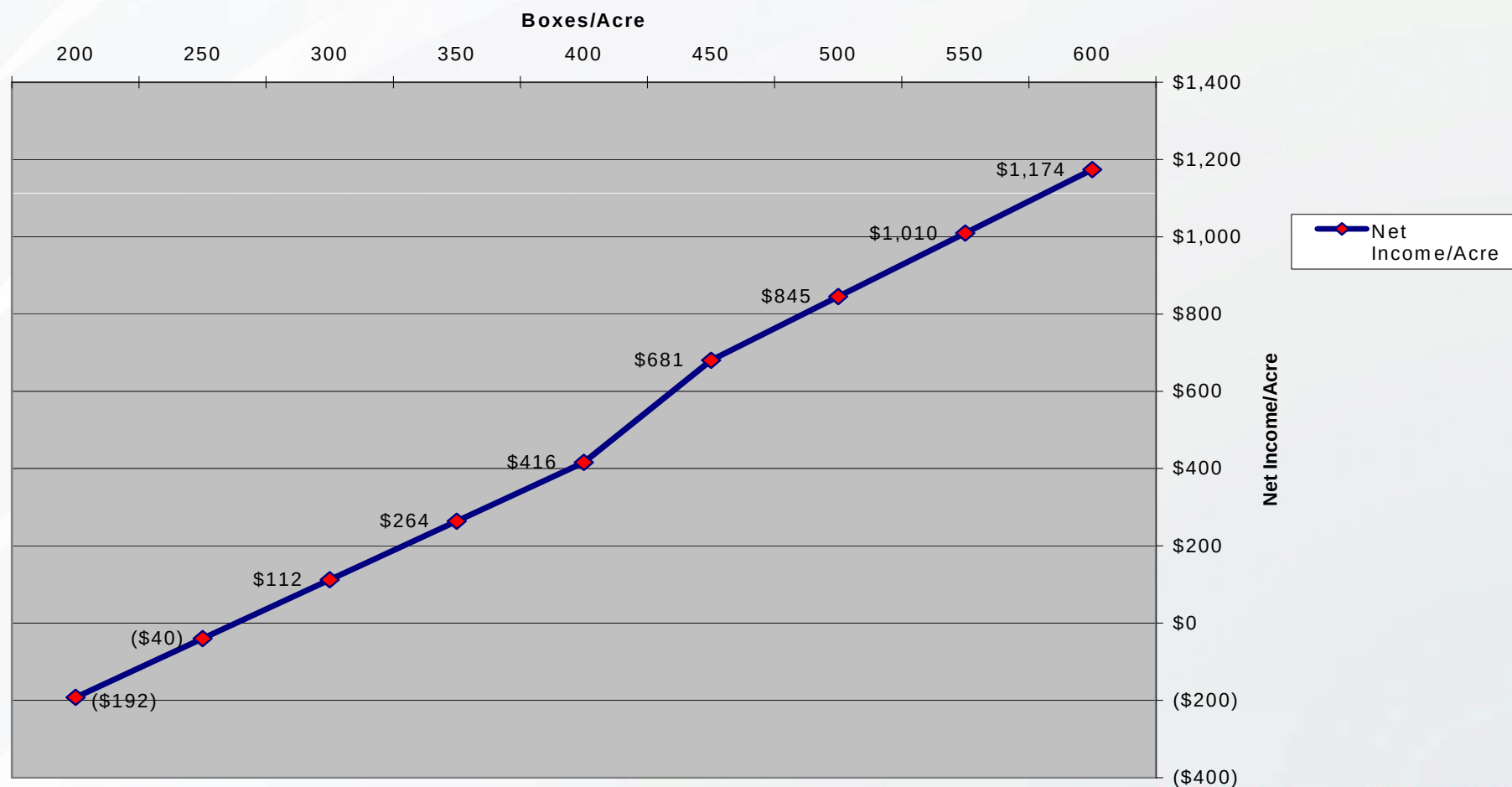
Economics – Yesterday w/o Disease

Net Income/Acre @ \$0.65 per LBS Solid @ 6.3 LBS Solids/Box



Economics – Yesterday w/o Disease

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



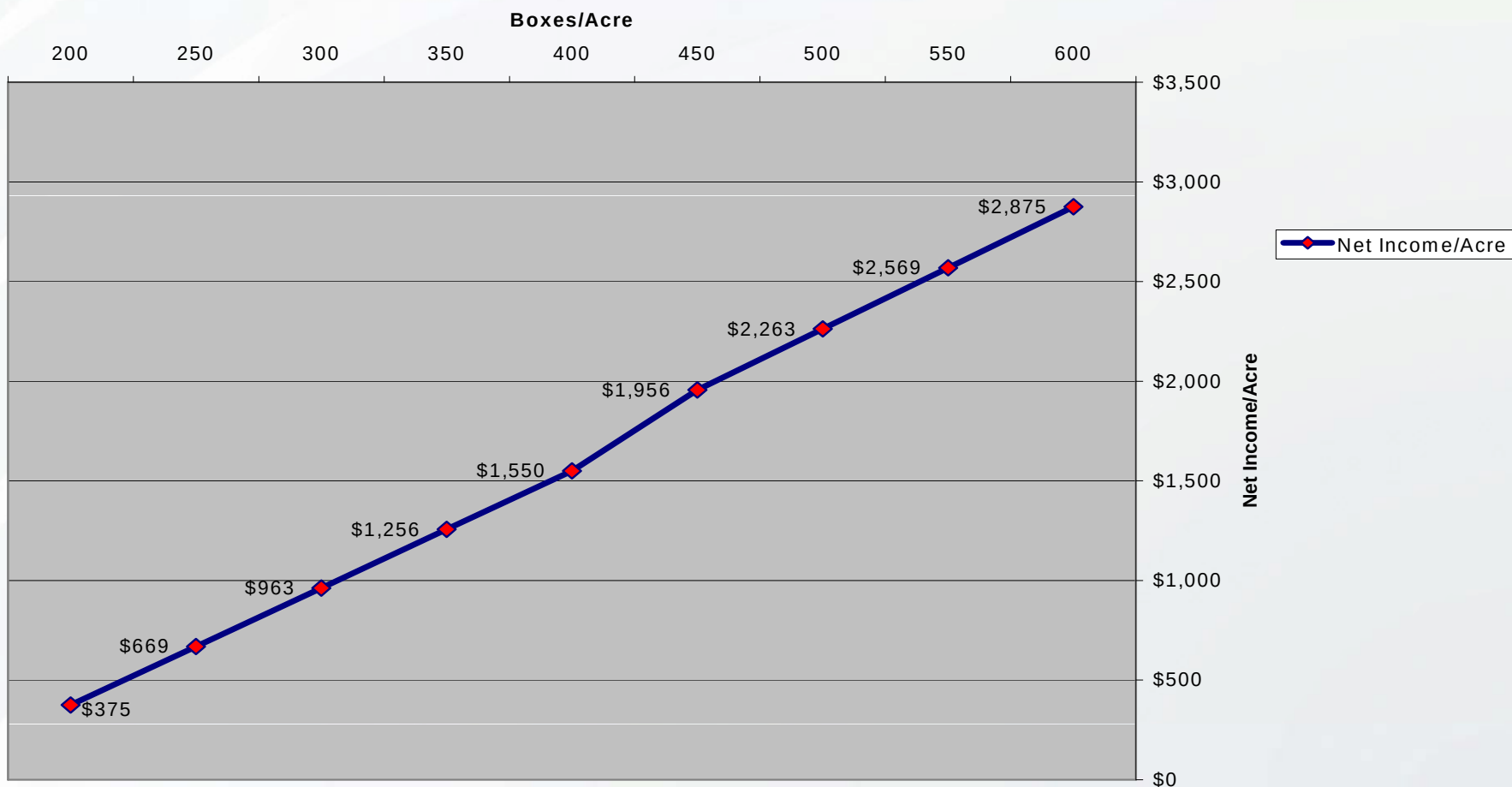
Economics – Yesterday w/o Disease

Net Income/Acre@ \$1.00 per LBS Solid@ 6.3 LBS Solids/Box



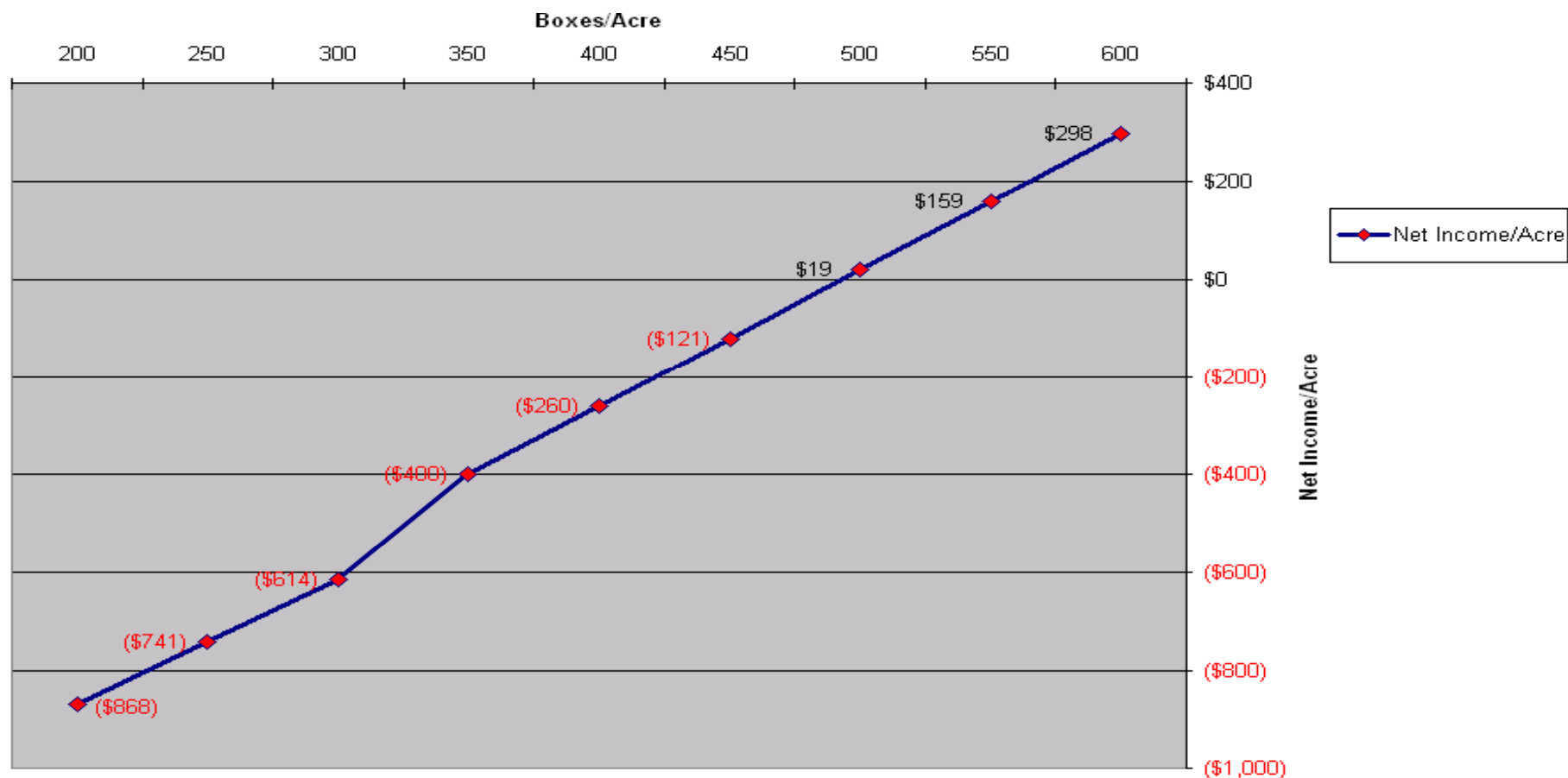
Economics – Yesterday w/o Disease

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



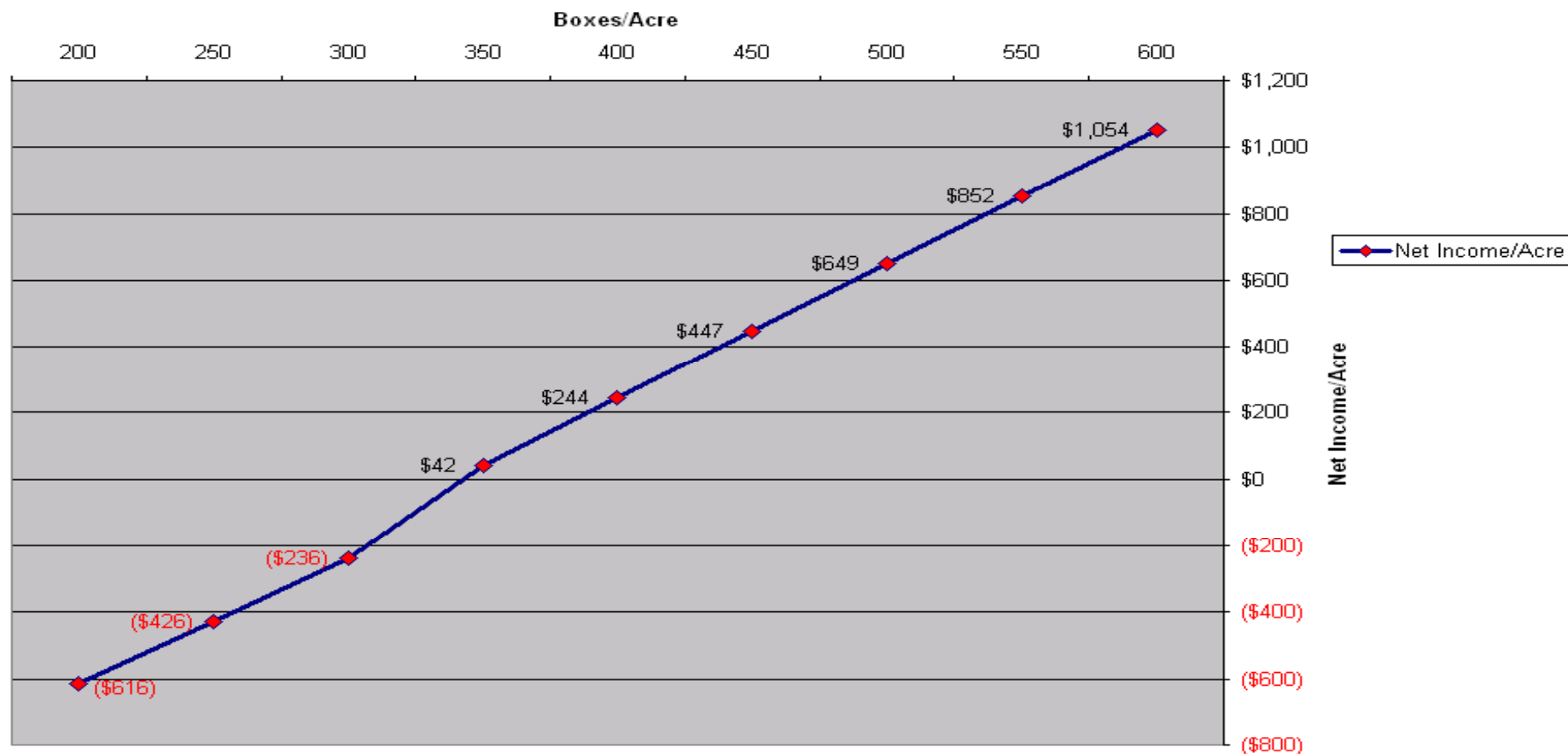
Economics – Today with Disease

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



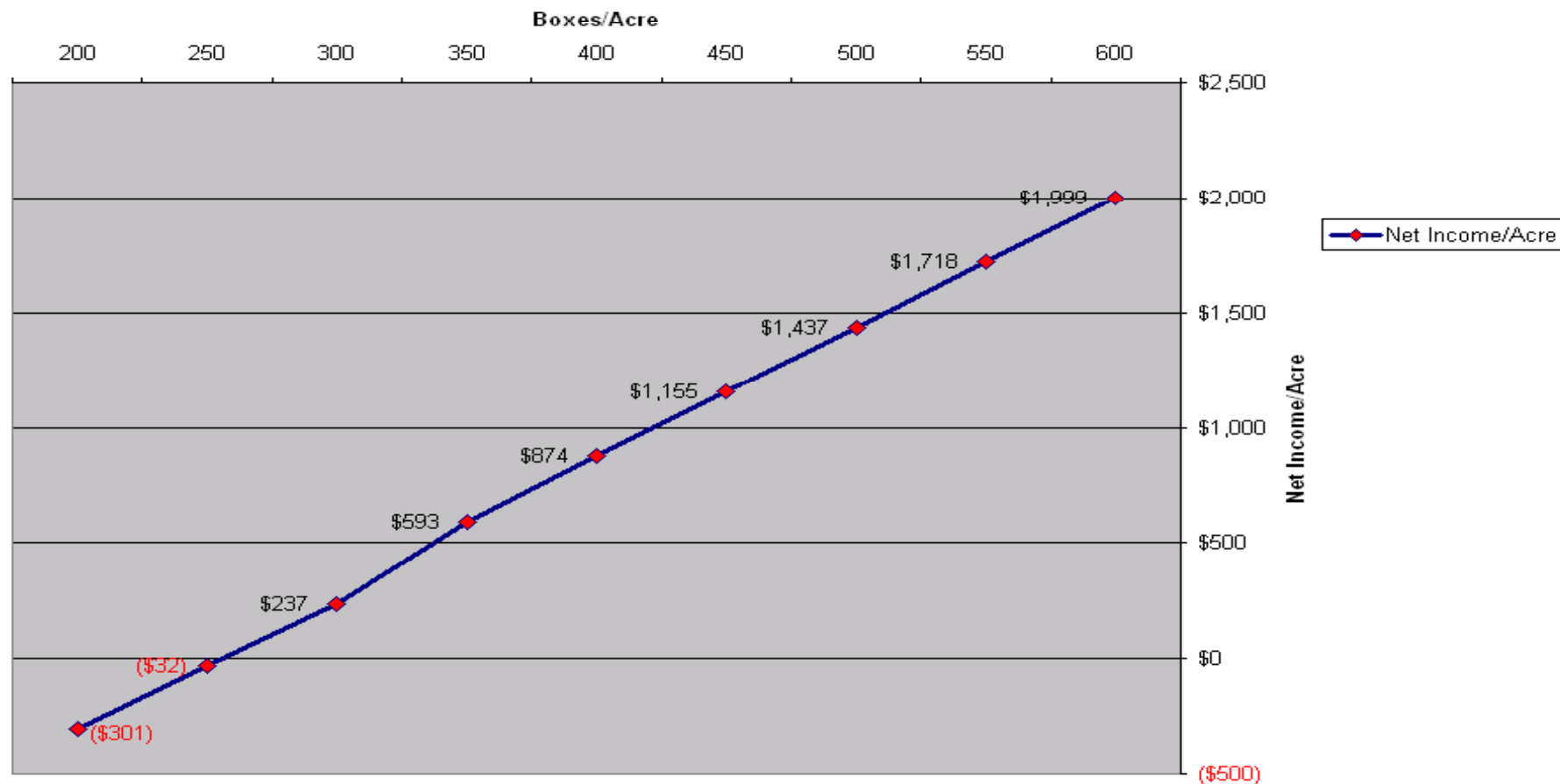
Economics – Today with Disease

Net Income/Acre @ \$1.00 per LBS Solid @ 6.3 LBS Solids/Box



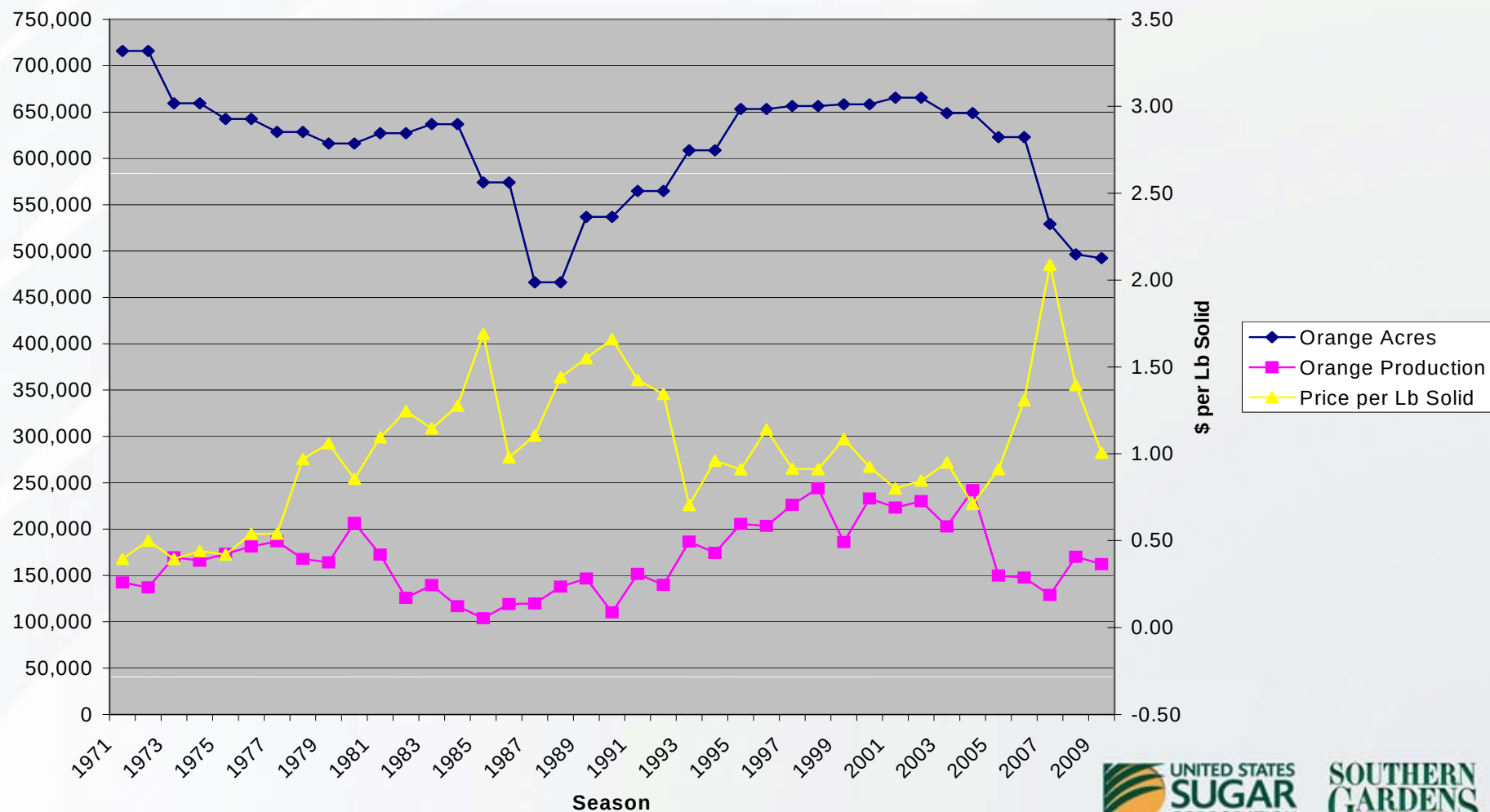
Economics – Today with Disease

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



Acres, Production, & Price

Acres, Production, & Price



Long Term

- Improve Efficiency
- Support Research
- Increased Consumption
- Increased Demand
- Better Returns to the Grower

Is HLB “THE REAL DEAL”?

April 19, 2007



UNITED STATES
SUGAR
CORPORATION

SOUTHERN
GARDENS
CITRUS

Is HLB “THE REAL DEAL”?

December 16, 2008





Thank You!!!!!!!

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