

#### GREENING UPDATE GREENING SUMMIT, AVON PARK, FL

#### APRIL 8, 2008

Jim Heidegger



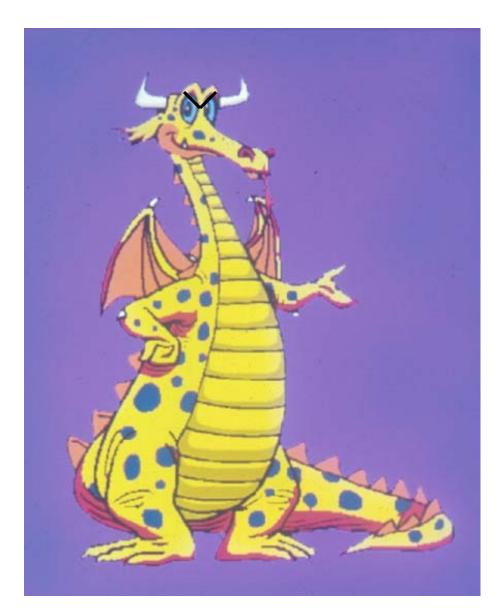
Florida Department of Agriculture and Consumer Services Charles H. Bronson, Commissioner

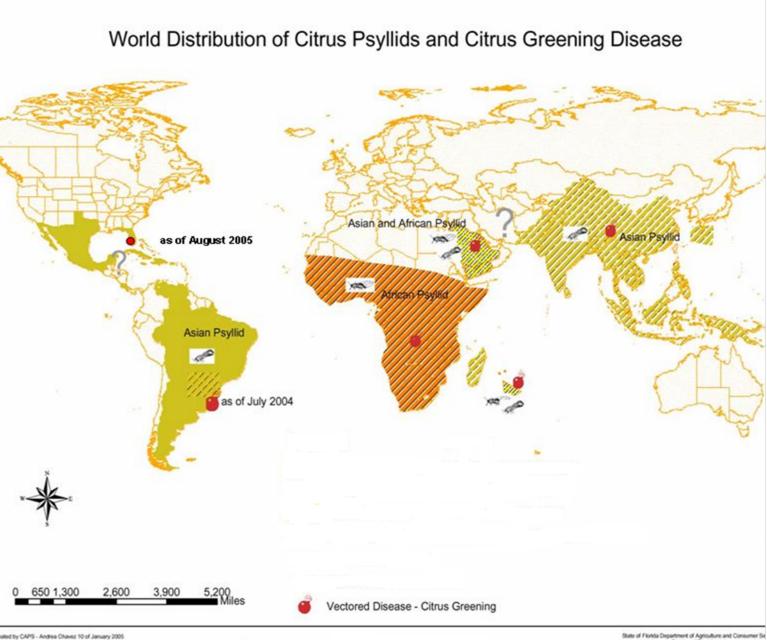
Division of Plant Industry

### HLB also known as Huanglongbing

#### Or

#### "Yellow Dragon Disease"





rated by CAPS - Andrea Chavez 10 of January 2005 Albers Coordinate System - NAD 1927 Datum

State of Fionda Department of Agriculture and Consumer Se Division of Plant Industry Fionda Cooperative Agriculture Pest Survey Program Gainesville, F.L.

## **ASIAN CITRUS PSYLLID**

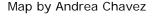


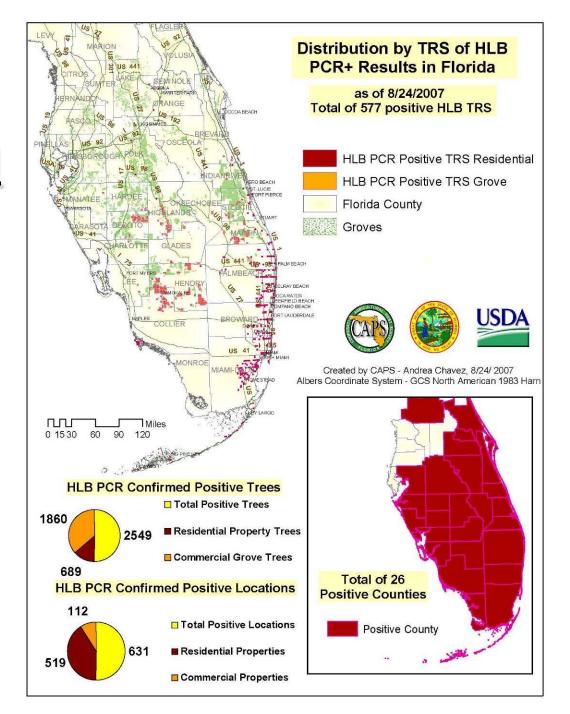
# Asian citrus greening was found for the first time in the USA in Florida in 2005.

## Initial Find Homestead September, 2005

## <u>Citrus Greening</u> in Florida

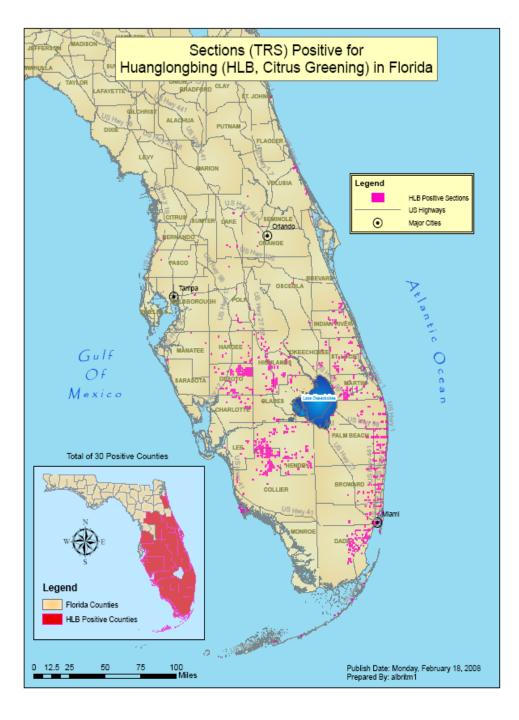
## August 2007





## <u>Citrus Greening</u> in Florida

## February 2008



## <u>Symptomology</u>

- Common symptoms
  - Most notable characteristic is a blotchy leaf mottle symptom.
  - Early symptoms appear on new shoots which will become yellow, hence "yellow shoot or yellow dragon disease."
  - Symptoms will generally express themselves only on a few branches which produces a "sectoring" appearance.

 Note mottle that crosses veins on slightly older leaves. This is the best symptom to look for.

 Newest leaves have apparent zinc-like deficiency.

 Notch in leaf is due to feeding by Asian citrus psyllid, the vector of HLB pathogens.

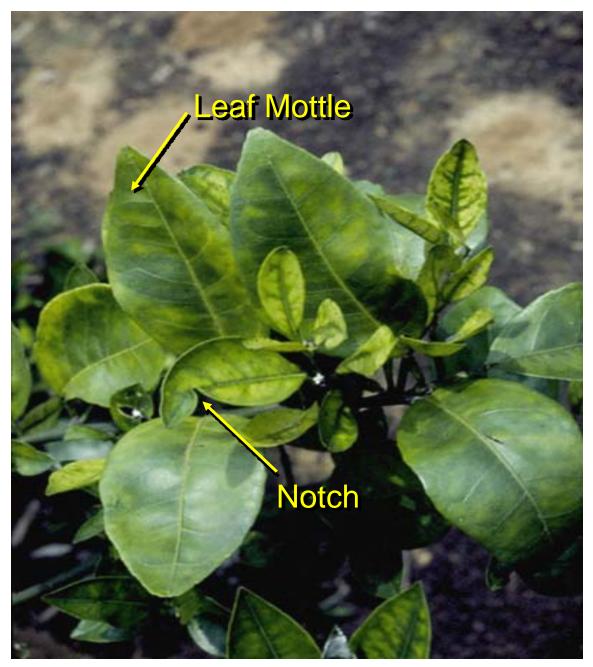


Photo: Susan Halbert, DPI

#### Note yellow shoots



Photo: Brazil

## Citrus Health Response Program Grower Services

#### Survey Expertise

-Fresh Fruit Surveys (EU)

-Nursery Environs

-Grower requested citrus pest & diseases scouting

### • Training

- -Train the trainer
- -Recognition of diseases & pests
- -Decontamination training & certification



Citrus Health Response Program Website:

www.doacs.state.fl.us/pi/chrp/

Helpline: 800-282-5153

