



Huanglongbing (HLB)

*A Death Sentence for
California Citrus*



Citrus Pest & Disease Prevention Program



CALIFORNIA DEPARTMENT OF
FOOD & AGRICULTURE

The Pest

Asian citrus psyllid

- Tiny insect that feeds on citrus plants
- Spreads a deadly citrus disease



Actual size is 1/8th of an inch



The Disease

Huanglongbing (HLB)

- Kills citrus trees
- No cure
- NOT harmful to humans or animals
- Latency period of 2-5 years

Impact on Citrus

- Florida economy – \$7.8 billion in lost economic activity; more than 7,513 jobs lost
- 6 of 10 residential properties in Southern California have a citrus tree – each of them is at risk



Symptoms

Corky veins



Blotchy mottle



HLB in Los Angeles and Mexicali

HLB has been detected in several trees in Los Angeles County including the communities of San Gabriel and Hacienda Heights.

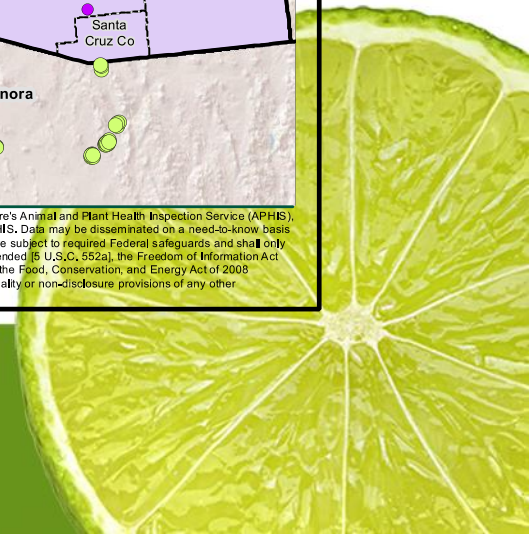
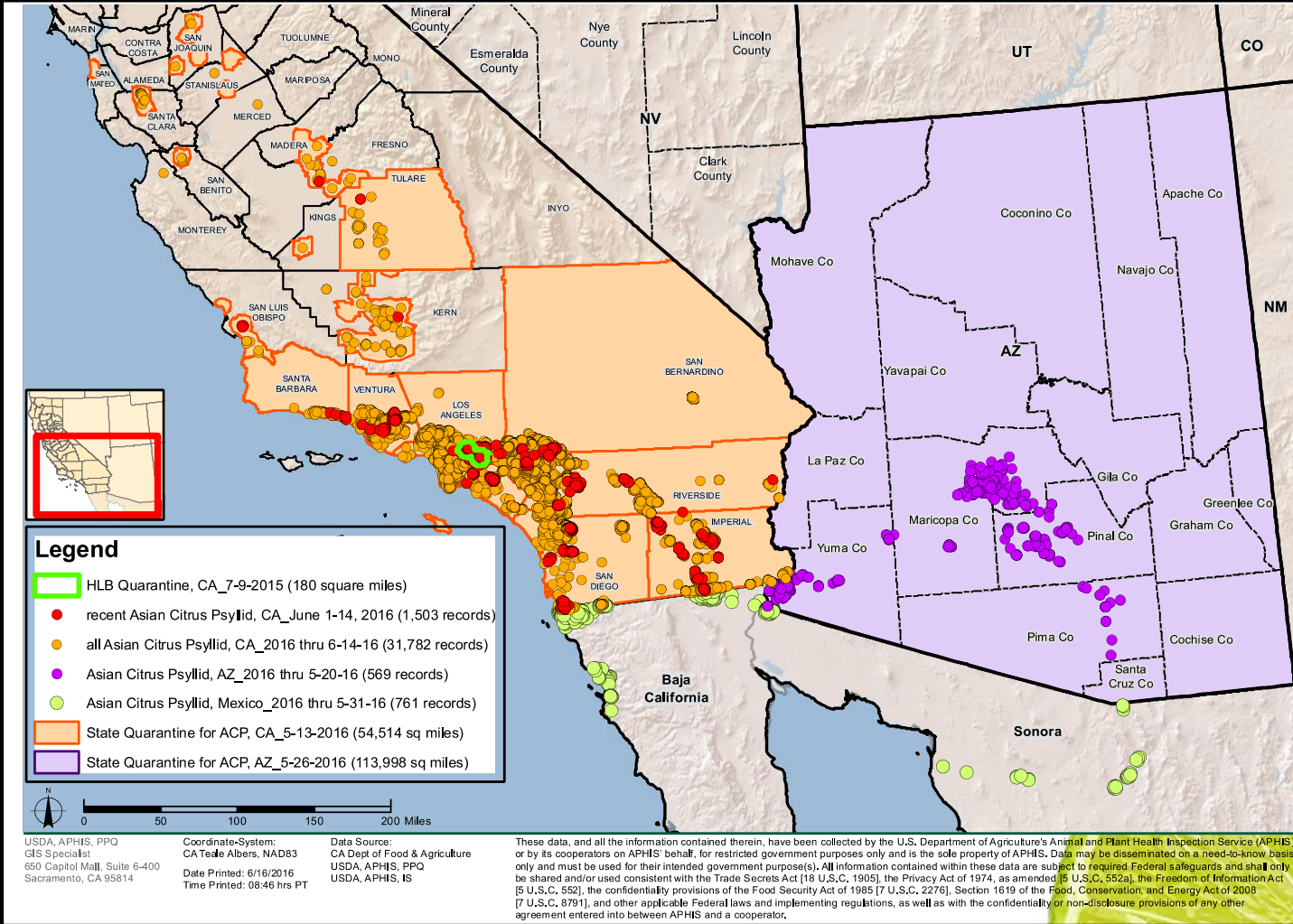
- 180 square mile quarantine is in place
- CDFA surveys citrus trees in the area up to six times per year
- Psyllids are collected and tested for HLB
- Samples of symptomatic leaves and plant material are collected and tested for HLB
- Diseased trees will be removed





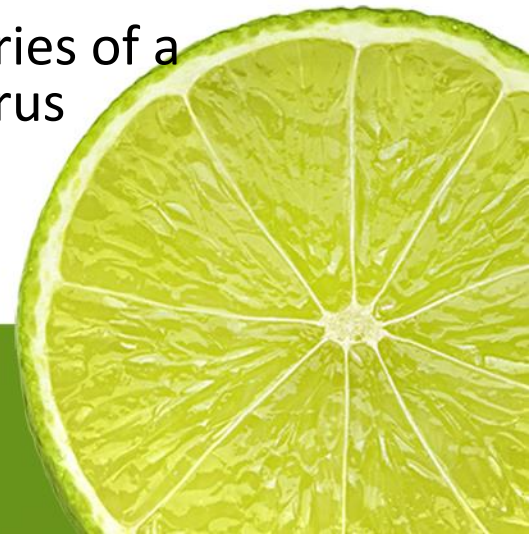
United States
Department of
Agriculture

Asian Citrus Psyllid Cooperative Program California, Arizona, Baja California, and Sonora



HLB Detection – CDFA Actions

- CDFA uses a PCR test to determine if a tree is infected
 - If positive, sample is submitted to USDA for confirmation
- HLB-infected trees will die and need to be removed
 - Removing diseased trees protects other healthy trees nearby
 - Trees are removed at no cost to homeowner
 - CDFA has abatement authority, if needed
- CDFA inspects citrus trees throughout the area
 - If treatments are necessary, notices will be sent to residents and a public meeting may be held
- CDFA works with the County to determine boundaries of a quarantine prohibiting or limiting movement of citrus
 - Press release announcing quarantine is issued



HLB Detection – County Actions

- Assists in communicating with the homeowner about tree removal and protocols
- Verifies quarantine boundaries
- Assists in distributing maps and information to the public, including optional press release distribution
- Routinely communicates with CDFA to provide local perspective on the issue



What Can You Do?

1. Share information with residents about the importance of protecting California citrus and cooperating with detection and eradication efforts
2. Be aware and supportive of the process
 - Trapping, inspection, treatment, tree removal



Examples

Salve sus cítricos

No ha ocurrido en California una enfermedad mortal para los cítricos y sus plagas peligrosas.

Los cítricos de California que vienen con garantía de origen. No ha ocurrido en el sur de California una enfermedad devastadora para los cítricos llamada Huanglongbing, también conocida como HLB, o enfermedad del amarillamiento de los cítricos. La HLB mata los árboles de cítricos y no hay cura. Los árboles afectados producen fruta amarga. Aún a día de hoy, el transporte de plagas que transmiten la enfermedad de plagas que transmiten la enfermedad de los cítricos desde un país a otro. Los árboles muertos se arrojan y se destruyen. Los árboles que se arrojan se arrojan y se destruyen. Los árboles que se arrojan se arrojan y se destruyen.

Unidades contra la plaga, ¡estas son importantes!

- Inspeccione sus árboles de cítricos una vez al mes en busca de la plaga y la enfermedad.
- No transporte plagas de cítricos o sus plagas como material de cultivo de cítricos. Si sabe que tiene o tiene material de cultivo, asegúrese de que el material de cultivo no esté contaminado. Limpie, desinfecte y desinfecte el material de cultivo.
- Plaga de cítricos: si tiene de cítricos para protegerlos, asegúrese de que los árboles estén bien protegidos. Si tiene de cítricos para protegerlos, asegúrese de que los árboles estén bien protegidos.
- Solo plantar árboles que haya obtenido de fuentes de plagas y enfermedades.
- Comente con los propietarios de los árboles de cítricos. Los propietarios pueden ayudar con los árboles de cítricos. Si tiene de cítricos para protegerlos, asegúrese de que los árboles estén bien protegidos.
- Para más información, visite www.cdpr.ca.gov o llame al 1-800-491-1899. Visite www.cdpr.ca.gov o llame al 1-800-491-1899.

PetgramCitricosEnCalifornia.com

Citrus Pest & Disease Prevention Program

Save Kerman Citrus!

A deadly pest called the Asian citrus psyllid has been found in the San Joaquin Valley.

The Asian citrus psyllid can spread a deadly citrus disease called Huanglongbing (HLB). If your citrus tree is infected with HLB, it will die. There is no cure.

Kerman residents can help protect the citrus industry and their backyard trees with the following tips:

- Inspect citrus trees monthly or whenever watering.
- Cooperate with agriculture officials on detection and suppression efforts.
- Do not bring citrus into the San Joaquin Valley from other areas.
- Only buy citrus trees from reputable, licensed nurseries.
- Use only registered budwood with source documentation.
- Dry or double bag plan clippings prior to disposal.

Be prepared, know what to look for:



Adult Asian citrus psyllid - 1/8th of an inch long



Adults on leaves



Asian citrus psyllid nymphs produce waxy tubules

Save Your Citrus Trees!

A fatal tree disease called Huanglongbing (HLB) has been discovered in California. The disease can be spread by the Asian citrus psyllid.

Adult Asian citrus psyllid - 1/8th of an inch long

Help Protect Local Citrus Trees

A deadly citrus tree disease called Huanglongbing (HLB) has been found in Los Angeles County. There is no cure for HLB and infected trees will die and need to be removed to protect neighboring trees. While not harmful to human health, the disease could devastate the California citrus trees we all know and love.

Visit CaliforniaCitrusThreat.org to see photos of disease symptoms, and report signs of HLB by calling 800-491-1899.

Citrus Pest & Disease Prevention Program
CaliforniaCitrusThreat.org

CPDPP @CitrusThreat - Jun 12

Waking or biking the #VivaSanGabriel event today? Stop by our booth to learn how to protect your citrus tree.

Citrus Disease Kills Trees, Must Be Stopped

Citrus Pest & Disease Prevention Program

If you think you have the psyllid, contact the California Department of Food and Agriculture at 1-800-491-1899. To learn more visit CaliforniaCitrusThreat.org.

Residents Who Think Their Tree has HLB

Contact the California Department of Food and
Agriculture hotline for a free inspection:

(800) 491-1899

Visit Online:

www.CaliforniaCitrusThreat.org

