



*City of Arts & Innovation*

# City Council Memorandum

**TO: HONORABLE MAYOR AND CITY COUNCIL** **DATE: AUGUST 8, 2017**

**FROM: COMMUNITY & ECONOMIC DEVELOPMENT** **WARDS: ALL**  
**DEPARTMENT**

**SUBJECT: UPDATE ON HUANGLONGBING, THE CITRUS GREENING DISEASE**

## **ISSUE:**

Receive an update on the detection of Huanglongbing, also known as citrus greening disease, in a single tree in a residential neighborhood within the City.

## **RECOMMENDATIONS:**

That the City Council receive this update and provide guidance on outreach to raise awareness and protect the City's citrus assets.

## **BACKGROUND:**

Known as Huanglongbing (HLB), citrus greening is one of the most serious citrus plant diseases in the world. Once a tree is infected with the HLB bacterium, there is no cure and the tree dies within a few years. Nearly all citrus species and citrus relatives (e.g. orange jasmine, limeberry, and trifoliate orange) are susceptible to citrus greening. Sweet orange and mandarin orange are highly susceptible, and sour orange, grapefruit, and lemon are moderately susceptible to the disease. While the disease does not pose a threat to humans or animals, it has devastated millions of acres of citrus crops throughout the United States and abroad resulting in significant economic impact.

A disease-infected insect vector, the Asian citrus psyllid (ACP), spreads citrus greening. Infected trees produce fruit that are green, misshaped and bitter, unsuitable for sales as fresh fruit or juice. The Asian citrus psyllid, no bigger than the head of a pin, transmits the disease when feeding on the leaves and stems of citrus trees. Once the Asian citrus psyllid picks up the disease, it carries it for the rest of its life. Citrus greening can also be transmitted by grafting diseased bud wood in addition to the moving of infected plants and plant materials.

Citrus greening disease was first reported to have occurred in Asia during the late 1800s and the disease has already caused devastation in Asia, Africa, the Arabian Peninsula and Brazil. In August 2005, the disease was found for the first time in the U.S. in the state of Florida. By January 2016, all 30 citrus-producing counties had the disease, and today Florida's economy has experienced a \$7.8 billion loss in economic activity and a loss of 7,531 jobs.

## **DISCUSSION:**

HLB was first detected in California in March 2012 in Rowland Heights. As for July 26, 2017, 78 confirmed cases of citrus greening have been detected in Los Angeles and Orange counties, and for the first time, one positive case of citrus greening has been confirmed in Riverside County in a residential neighborhood of the City of Riverside on July 25, 2017.

The confirmation of the citrus greening in Riverside triggered a quick response from state and county officials which include removal of the infected tree, treatment of the Asian citrus psyllid within an 800 meter of the positive tree, increased surveyance, and a 5-square mile quarantine.

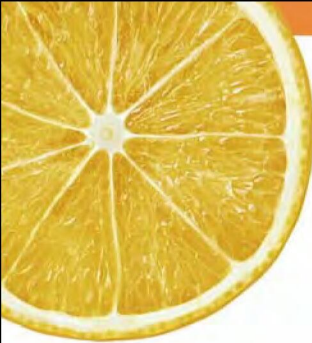
The City of Riverside is working with industry partners, Riverside County Agricultural Commissioner's Office, California Department of Food and Agriculture and the University of California at Riverside to coordinate a comprehensive citywide education and outreach effort. The effort intends to raise awareness among residents and businesses of the threats of ACP and HLB, detection and treatment, preventative measures to protect citrus assets in the City, and prevent associated direct and indirect economic impacts to allied industries in the City and County of Riverside.

## **FISCAL IMPACT:**

There is no fiscal impact to the General Fund associated with receiving this update.


Prepared by:	Rafael Guzman, Community & Economic Development Director
Certified as to availability of funds:	Adam Raymond, Acting Chief Financial Officer / City Treasurer
Approved by:	Al Zelinka, FAICP, Assistant City Manager
Approved as to form:	Gary G. Geuss, City Attorney

Attachment:	Presentation
-------------	--------------




# Working Together to Save Your Community's Citrus

Paul Worlie, Citrus Pest & Disease Prevention Program  
Aug. 8, 2017



Citrus Pest & Disease Prevention Program



CALIFORNIA DEPARTMENT OF  
FOOD & AGRICULTURE


## What's the issue?

### Los Angeles Times

#### San Gabriel Valley quarantine for citrus disease expands

July 22, 2016, 5:45 PM

**A**gricultural officials have expanded a quarantine in the San Gabriel Valley after discovering several more trees infected with citrus greening disease, a malady that has devastated orchards in Florida, Mexico and Brazil.






#### Fatal citrus disease HLB shows up in California

Robert Ferris | @RobertoFerris  
Monday, 20 Jul 2016 | 7:26 PM ET

CNBC

A disease that's fatal to citrus trees has infected at least one more tree in California, only days after the state's second known case was identified, according to growers and local officials who spoke to CNBC.



## The Disease

### Huanglongbing (HLB)

- Kills citrus trees
- No cure
- NOT harmful to humans or animals
- Latency period of 2-5 years
- Spread by insect called Asian citrus psyllid

### Impact on Citrus

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



## HLB Positive Symptoms



## HLB Positive Symptoms



## HLB – Riverside County

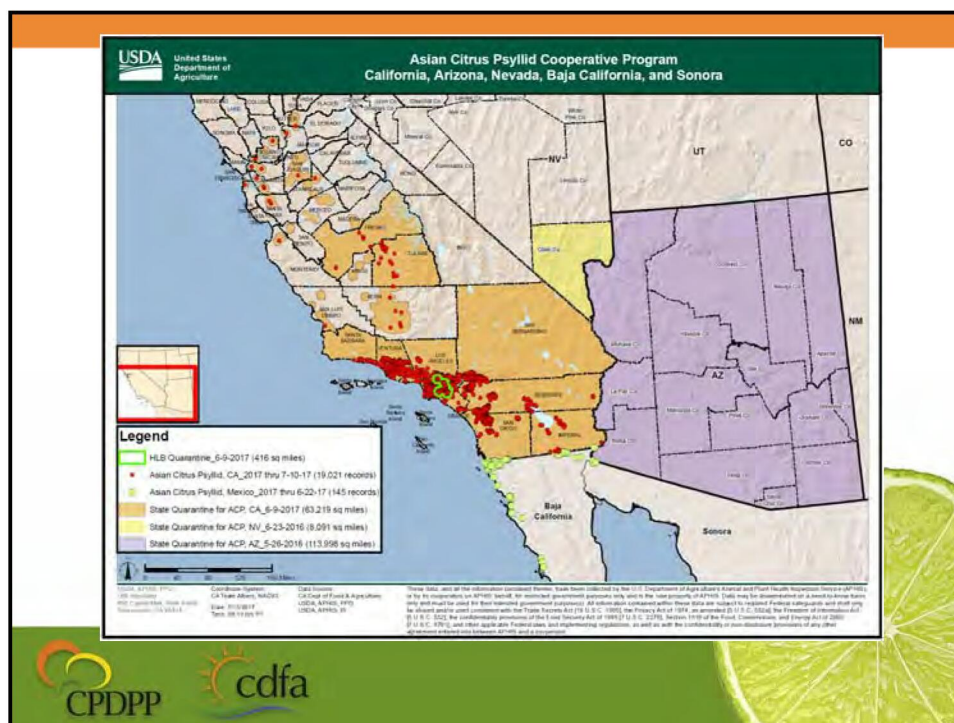
- First detection in the county on July 25
  - Grapefruit tree on a residential property
  - Off I-215 near the intersection of Chicago Ave. and Malborough Ave.
  - Homeowner was very cooperative with agriculture officials
  - Tree was removed the next day



- Total HLB detections\* in California: 78

\*As of July 26, 2017





## HLB – Riverside County

- State and county agriculture officials are responding swiftly:
  - Removal of infected tree
  - Intensive surveying, sampling
  - Treating host plants for the Asian citrus psyllid
  - Trapping for the Asian citrus psyllid
  - 5-square-mile quarantine pending





## Response to HLB Positive Tree

- A confirmed positive tree will decline in health and die
- There is no cure for HLB and all trees must be removed to prevent the ACP from spreading HLB
- If the resident is unwilling to allow removal of the tree, CDFA will use abatement authority to remove and dispose of the tree



How does a quarantine affect your city?



## Businesses and Residents

- Citrus stock at nurseries can't be moved outside of the quarantine area – it must be stored in a USDA approved facility or destroyed
- Homeowners can't move backyard citrus outside of the quarantine
  - Can't take citrus plant if relocating
  - Can't take citrus leaves outside area



## Riverside Citrus Institutions

- University of California, Riverside
  - Citrus Clonal Protection program
  - Agricultural Research Services
- California Citrus State Historic Park
- California's mother navel orange tree
  - California Historical Landmark No. 20





## Public Education Campaign

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, quarantine



## Residents who think their tree has HLB :

Contact the California Department of Food and Agriculture hotline for a free inspection at **(800) 491-1899**.

**Visit:**

[CaliforniaCitrusThreat.org](http://CaliforniaCitrusThreat.org)

[CDFA.CA.gov/plant/acp](http://CDFA.CA.gov/plant/acp)



**Contact for materials and  
outreach:**

**Paul Worlie**

[pw@nstpr.com](mailto:pw@nstpr.com)

619-296-0605 x 236



**CITY OF RIVERSIDE  
SPEAKER CARD**

AGENDA ITEM NO.: 31

WELCOME TO THE RIVERSIDE CITY COUNCIL MEETING.

IF YOU WISH TO ADDRESS THE CITY COUNCIL, PLEASE COMPLETE AND SUBMIT THIS CARD TO THE CITY CLERK.  
SPEAKER CARDS WILL BE ACCEPTED UNTIL CONCLUSION OF PUBLIC COMMENT ON THE AGENDA ITEM.

NAME: AIAN B. WASHBORN DATE: 8/8/17

CITY/NEIGHBORHOOD: \_\_\_\_\_ PHONE # (Optional): \_\_\_\_\_

ADDRESS (Optional): 3909 Chapman Place Riverside Ca  
Address City/State/Zip 92506

SUBJECT: Citrus Pest + Disease

☒

SUPPORT

☐

OPPOSE

☐

NEUTRAL

*In accordance with the Public Records Act, any information you provide on this form is available to the public.*

**Pursuant to the City Council Meeting Rules adopted by Resolution No. 23035, the Members of the City Council and the public are reminded that they must preserve order and decorum throughout the Meeting.**

*City of Arts & Innovation*



**CITY OF RIVERSIDE  
SPEAKER CARD**

AGENDA ITEM NO.: 37

WELCOME TO THE RIVERSIDE CITY COUNCIL MEETING.

IF YOU WISH TO ADDRESS THE CITY COUNCIL, PLEASE COMPLETE AND SUBMIT THIS CARD TO THE CITY CLERK.  
SPEAKER CARDS WILL BE ACCEPTED UNTIL CONCLUSION OF PUBLIC COMMENT ON THE AGENDA ITEM.

NAME: Phyllis Purce H DATE: 8/8/17

CITY/NEIGHBORHOOD: Ward 3 PHONE # (Optional): \_\_\_\_\_

ADDRESS (Optional): \_\_\_\_\_  
Address City/State/Zip

SUBJECT: \_\_\_\_\_

☐

SUPPORT

☐

OPPOSE

☐

NEUTRAL

*In accordance with the Public Records Act, any information you provide on this form is available to the public.*

**Pursuant to the City Council Meeting Rules adopted by Resolution No. 23035, the Members of the City Council and the public are reminded that they must preserve order and decorum throughout the Meeting.**

*City of Arts & Innovation*

**CITY OF RIVERSIDE  
SPEAKER CARD**

AGENDA ITEM NO.: 37

WELCOME TO THE RIVERSIDE CITY COUNCIL MEETING.

IF YOU WISH TO ADDRESS THE CITY COUNCIL, PLEASE COMPLETE AND SUBMIT THIS CARD TO THE CITY CLERK.  
SPEAKER CARDS WILL BE ACCEPTED UNTIL CONCLUSION OF PUBLIC COMMENT ON THE AGENDA ITEM.

NAME: Tracy Kahn DATE: 8-8-17

CITY/NEIGHBORHOOD: \_\_\_\_\_ PHONE # (Optional): \_\_\_\_\_

ADDRESS (Optional): 3416 Elmwood Drive Riverside, CA  
Address City/State/Zip

SUBJECT: HLB Update

☐

SUPPORT

☐

OPPOSE

☐

NEUTRAL

*In accordance with the Public Records Act, any information you provide on this form is available to the public.*

**Pursuant to the City Council Meeting Rules adopted by Resolution No. 23035, the Members of the City Council and the public are reminded that they must preserve order and decorum throughout the Meeting.**

*City of Arts & Innovation*



**CITY OF RIVERSIDE  
SPEAKER CARD**

AGENDA ITEM NO.: 37

WELCOME TO THE RIVERSIDE CITY COUNCIL MEETING.

IF YOU WISH TO ADDRESS THE CITY COUNCIL, PLEASE COMPLETE AND SUBMIT THIS CARD TO THE CITY CLERK.  
SPEAKER CARDS WILL BE ACCEPTED UNTIL CONCLUSION OF PUBLIC COMMENT ON THE AGENDA ITEM.

NAME: Theresa Newham DATE: 8-8-17

CITY/NEIGHBORHOOD: Grand PHONE # (Optional): 213-6828

ADDRESS (Optional): \_\_\_\_\_  
Address City/State/Zip

SUBJECT: \_\_\_\_\_

☐

SUPPORT

☐

OPPOSE

☐

NEUTRAL

*In accordance with the Public Records Act, any information you provide on this form is available to the public.*

**Pursuant to the City Council Meeting Rules adopted by Resolution No. 23035, the Members of the City Council and the public are reminded that they must preserve order and decorum throughout the Meeting.**

*City of Arts & Innovation*