

CONSENT AGENDA

1. Minutes approval from May 12, 2021 meeting

CALIFORNIA CITRUS PEST AND DISEASE PREVENTION COMMITTEE MEETING

Meeting Minutes
Wednesday, May 12, 2021

Committee Members Present:

Kevin Ball	John C. Gless	Jared Plumlee
Brad Carmen	Jim Gorden	Dr. Etienne Rabe
Ed Civerolo	Nick Hill	Gregorio Rundini
Aaron Dillon	Mark McBroom	Roger Smith
Bob Felts, Jr.	James McFarlane	Keith Watkins
John Gless		

Committee Members Absent:

Craig Armstrong

CDFA Staff:

Kelley Aubushon	Alisha Garcia	Amelia Hicks
Karina Chu	David Gutierrez	Victoria Hornbaker
Amelia Everett	Daren Harris	Laura Irons
Mathew Jian	Zachary McCormack	Grace Radabaugh
Anmol Joshi	David Morgan	Briana Russell
Marina Kaiser	Alex Muniz	Heather Scheck
Daniel Lee	Colleen Murphy	ThuyVy Truong
Magally Luque-Williams	Keith Okasaki	Claudia Vazquez
Amy McClung	David Phong	Jennifer Willems

CRB Staff:

Holly Deniston-Sheets	Melinda Klein	Qijun Xiang
Rick Dunn	Marcy Martin	

Guests:

Price Adams	Subhas Hajeri	Drew Posny
Bob Atkins	Alyssa Houtby	Zach Rissel
Marjie Bartels	Jonathan Kaplan	Sylvie Robillard
Teri Blaser	Deborah Larmon	Cressida Silvers
James Cranney	Jessica Leslie	Karen Westerman
Casey Creamer	John Loyd	David Wirta
Melissa Cregan	Neil McRoberts	Helene Wright
Natalie DeAngelo	Margaret O'Neill	Judy Zaninovich
Lisa Finke	Curtis Pate	Sandra Zwaal

Sara Garcia-Figuera

Opening Comments:

The committee meeting was called to order at 9:04 am via webinar. Jim Gorden welcomed the committee, staff, and members of the public participating online. Mr. Gorden stated that there was a quorum for the meeting.

Public Comments:

No public comments.

APPROVAL OF CONSENT AGENDA ITEMS

Motion: To recommend approving the February 17, 2021 Consent Agenda as presented.

First: Keith Watkins

Second: Mark McBroom

Motion Carries: Motion passed unanimously.

FINANCE SUBCOMMITTEE REPORT

Review 2019/2020 Budget Expenditures and Revenue:

Bob Felts, Jr. stated that the program expended \$25,793,698 through September 2020. The increase in expenditures is primarily related to late invoices. Total revenue for fiscal year (FY) 19/20 was \$18,491,480.

Review 2020/2021 Budget Expenditures and Revenue:

Mr. Felts, Jr. stated as of May 2021, expenditures increased by \$3,934,466 to a total of over \$10,000,000. The low expenditures may be due to late or slow invoicing. FY 20/21 revenue increased to \$5,007,600, which includes credits to packing houses due to overpayment, some packing houses were still paying the assessment at the \$0.09 per carton rate, rather than the \$0.08 per carton rate. Mr. Felts, Jr. noted that an audit was done of the fund condition statement (FCS) and inaccuracies were found, so the Financial Services Branch is working on a new FCS. Carl Baum stated that the financial consultant contract was awarded to Macias, Gini, & O'Connell LLP on May 1.

EXECUTIVE SUBCOMMITTEE REPORT

CPDPC Bylaws Discussion:

Victoria Hornbaker stated officers are elected every two years and can serve two consecutive terms in the same office. Once their term is completed the officers can serve in other offices. A discussion will be held to determine if the bylaw should be maintained or if there should be a change for future elections.

Sweet Orange Scab Detection:

Ms. Hornbaker stated that in the last year and a half there have been Sweet Orange Scab (SOS) disease detections in the cities of North Tustin, Blythe, and Riverside. Prior

to these discoveries, the last detections were in 2013. A standard operating procedure (SOP) is being created for SOS delimitation survey and regulatory program staff are revising the compliance agreement and exhibits for SOS.

Ms. Hornbaker noted that SOS detections are regulated in 5 square mile areas, because there is no quarantine for SOS. She noted that the California Department of Food and Agriculture (CDFA) is using its delegated authority from United States Department of Agriculture's (USDA) to implement and enforce the SOS regulated areas. Ms. Hornbaker stated that without a state interior quarantine, the USDA could potentially quarantine the entire state. A statewide quarantine could affect the productivity of nurseries and growers who are not currently in SOS regulated areas, hindering fruit and nursery stock movement. It was noted that SOS is a cosmetic disease and does not cause the tree to die, however, California citrus is primarily sold into the fresh fruit market and blemished fruit cannot be sold. The Committee discussed the need to proceed with a formal regulatory rulemaking process to set a state interior quarantine and prevent a quarantine of the entire state. A white paper will be drafted, with support from the Science subcommittee, to understand the biology and regulatory impacts of SOS.

Motion: For the CDFA to begin the rule making process on the Sweet Orange Scab to avoid a potential statewide quarantine by USDA.

First: Roger Smith

Second: Mark McBroom

Motion Carries: 14 Yeas (Kevin Ball, Brad Carmen, Ed Civerolo, Aaron Dillon, Bob Felts, Jr., John Gless, John C. Gless, Jim Gordon, Nick Hill, James McFarlane, Dr. Etienne Rabe, Gregorio Rundini, Roger Smith, Keith Watkins), and 1 abstention (Mark McBroom).

OPERATIONS SUBCOMMITTEE REPORT

Unofficial Lime Swallowtail Detections:

Ms. Hornbaker stated that there was one unofficial lime swallowtail butterfly sample submitted by a citizen scientist through Los Angeles County to the CDFA. Two additional sightings from citizen scientists, one in Los Angeles and another in San Luis Obispo, were reported on the web application "iNaturalist." However, since the sample was not found by a regulatory official, it is not considered an official sample. CDFA staff surveyed the find site where the sample was collected, and no life stages were detected. A research proposal was submitted by Mark Hoddle at University of California (UC), Riverside to the Citrus Research Board (CRB) to survey and collect suspect lime swallowtail life stages in the field and send to the Quarantine facility at UC Riverside. Lydia Rodriguez created a survey SOP for the lime swallowtail.

STRATEGIC PRIORITY 1 – Find and Eradicate HLB

CDFA Operational Update:

Southern District:

David Gutierrez stated that HLB delimitation surveys and treatment are ongoing in Los Angeles, Orange, San Bernardino, and Riverside Counties. Retreatments are being conducted in specific areas within the four counties. The winter areawide treatment

cycle has been completed in all areas and will resume in the Summer/Fall of 2021. A total of 73 HLB positive trees were removed during the months of February, March, and April. Most of the trees were in Orange County. A new tree removal contract for Los Angeles and Orange counties began May 1, 2021. HLB risk-based survey Cycle 1 2021 began in mid-March and is progressing. The two-mile border buffer risk survey cycle started in March 2021 is at 25 percent completion in San Diego and 42 percent completion in Imperial County.

Central District:

Mr. Gutierrez stated the detection trapping in Fresno and Madera counties is ongoing. Delimitation trapping in Kern County is ongoing and treatment has been completed. No new ACP detections were reported. HLB risk-based survey Cycle 2 2020 in Fresno, Kern, and Tulare counties will be completed by the end of May 2021. Commodity survey will be conducted by at least two staff from each county.

Northern District:

Mr. Gutierrez stated delimitation trapping is ongoing in Contra Costa County and reported no additional detections. In San Jose, Santa Clara County, 14 confirmed adults were reported in March 2021 in four traps and 15 confirmed adults in three traps were reported in April 2021. Nine properties were treated on April 20, 2021 and a new four-square mile delimitation survey area was created. No additional detections have been reported since the expansion. *Tamarixia radiata* releases are being conducted monthly with over 4,400 released in San Jose. HLB risk-based survey for Cycle 2 2020 is now complete. HLB risk-based survey Cycle 1 2021 is occurring in seven counties in the Northern district. Residential ACP detection trapping for the winter season concluded in April. Year-round county trapping continues in three counties. Currently, no ACP treatments are being conducted. An update will be provided at the next Operations subcommittee meeting on what actions are being taken in Santa Clara due to the additional detections.

**STRATEGIC PRIORITY 2 – Control ACP Movement and Enforce Regulations
CDFA Regulatory and County Agreement Update:**

Keith Okasaki stated that seven of the 14 counties with regulatory agreements have fully expended their budgets. When reviewing the number of inspections completed, counties such as Monterey, San Luis Obispo, Santa Barbara, and Orange are considered origin counties, they have no packers to inspect and follow up with grower inspections as necessary. The counties that did not fully expend their previous agreement either reduced their funding requests and/or are committing to a larger work commitment. Mr. Okasaki stated that fewer Notice of Violations were issued this year, but more Notice of Proposed Actions were given.

STRATEGIC PRIORITY 3 – ACP Control/Suppression

Status of Request for Proposal (RFP) for Rapid ACP Screening:

Ms. Hornbaker stated that the RFP was withdrawn because the CDFA Contracts Office listed the proposal as an Invitation for Bid (IFB). It was re-written as an RFP, allowing the proposal to be scored on its scientific merit, whereas an IFB is awarded based on

lowest bid without scientific review. The new RFP will be submitted to the CDFA Contracts Office.

Biocontrol Discussion:

Dr. David Morgan stated that *Tamarixia radiata* production was low due to COVID. As of 2011, there have been 21 million *Tamarixia* released. Biocontrol releases are primarily focused on border areas, HLB find areas, new ACP find locations and trade routes, with 72 percent of the releases focused on HLB find areas. Dr. Morgan stated that in the last four years, ACP populations have decreased by 75 percent in urban areas. This information will be studied to determine the cause of ACP population decline and the role biocontrol has played.

SCIENCE SUBCOMMITTEE REPORT

STRATEGIC PRIORITY 4 – Improve Data Technology, Analysis and Sharing Effectiveness of Southern California HLB program

Dr. Etienne Rabe stated that the Science Subcommittee had no updates on the effectiveness of the HLB program in Southern California.

Ethyl Formate Registration Update

Jim Cranney stated that he is working with the registrant to continue monitoring the progress on the ethyl formate registration. The U.S. Environmental Protection Agency (EPA) is reviewing the registration package. EPA is concerned that the formulation contains carbon dioxide, which can be considered an active ingredient and they are asking if it contributes to the efficacy of ethyl formate. Another concern is potential off-target exposure in groves when tarps are removed. The EPA has expressed positive reviews of the application and will work with the Department of Pesticide Regulation (DPR) on a concurrent review.

Neonicotinoid Risk Mitigation Update

Casey Creamer stated that DPR is reviewing and updating timelines on the release of the neonicotinoid risk mitigation document.

Data Analysis Tactical Operations Center (DATOC) Update:

ACP trapping technologies:

Holly Deniston-Sheets stated that DATOC did a review of ACP trapping technologies and found that there are no new technologies that are ready for field deployment. Studies in Texas showed that ACP can be successfully tested for CLAs on yellow panel traps using a different adhesive, compared to the traps used in California. Dr. Neil McRoberts commented that an experiment will be coordinated with Texas to test the traps with the different adhesives.

A Social-Ecological Systems Perspective of HLB:

Sara Garcia Figuera presented her dissertation on the Social-Ecological Systems of HLB within California. Sara stated that since the end of March 2021, a total of 2,290 HLB positive trees have been detected in residential locations. An area-wide management program (AWM) was established to slow the spread of HLB. The AWM

recommended that insecticide treatments should be done twice a year. Sara stated that between the fall seasons of 2016 and 2020, the levels of public participation have been fluctuating. Based on results from a Florida study, California could benefit by creating clearly defined boundaries for both Psyllid Management Areas (PMA) and Pest Control Districts (PCD) and coordinating with grower liaisons and CDFA. Over time, AWM participation for PMAs have steadily decreased while the PCD participation levels have steadily increased, in part due to grower liaison engagement. Results shows that AWM is beneficial at slowing the spread of HLB. If growers coordinate treatments within a 21-day period, then the counties can effectively control ACP and the spread of HLB.

CalTrap and Citrus Surveyor Update:

CalTrap:

Colleen Murphy-Vierra stated that she will test the desktop and administration applications that are being developed. CalTrap testing is currently behind schedule due to COVID. Ms. Murphy noted that training is being conducted with counties.

Citrus Surveyor:

Ms. Murphy stated the mobile application and a field manual is being developed. 75 percent of the mobile application is ready to be deployed onto the desktop application. The tentative release date for the application is June.

OUTREACH SUBCOMMITTEE REPORT

STRATEGIC PRIORITY 5 – Outreach and Education

Grower Liaison Working Group Update

Mr. Gutierrez stated that the two expectations documents for the grower liaisons (GLs) and the statewide coordinator are ready for approval. Additionally, Bob Atkins stated that there is still a candidate pending for a GL position in Riverside County while the position in Imperial County has been filled. Mr. Atkins also noted that the Division is working with Cal Fire to address and remove neglected and abandoned orchards in San Diego County.

Motion: To approve the grower liaison and statewide coordinator expectations documents.

First: Keith Watkins

Second: John Gless

Motion Carries: 14 Yeas (Kevin Ball, Ed Civerolo, Aaron Dillon, Bob Felts, Jr., John Gless, John C. Gless, Jim Gorden, Nick Hill, Mark McBroom, James McFarlane, Dr. Etienne Rabe, Gregorio Rundini, Roger Smith, Keith Watkins), and 1 abstention (Brad Carmen).

Outreach Update:

Price Adams stated that the homeowner outreach in Moreno Valley secured eight stories on HLB both online and in print. In the city of Long Beach, Nuffer, Smith, Tucker (NST) secured four stories online and in print. Ms. Adams worked with Dr. Morgan and Karla Huerta to distribute audio news about the release of *Tamarixia radiata* throughout the state. Multicultural outreach was conducted with Spanish and Asian language

audiences. An article was published in “La Opinion”, one of the largest Spanish newspapers in the U.S. In the Asian community, a media campaign resulted in 20 media stories in Cantonese, Chinese, Mandarin, and Vietnamese. Ms. Adams stated that NST used Facebook ads encouraging homeowners to contact their local County Agricultural Commissioner’s office for citrus tree inspections. Industry outreach included circulating the 2020 Accomplishment Report including highlights and statistics from the past fiscal year. Ms. Adams stated some upcoming events include content distribution to officials in HLB quarantine cities that include social media and blog content. As COVID restrictions are being lifted, NST is being proactive and alerting residents to not transport citrus fruit or plant material across county lines

Review/Update Strategic Plan:

Ms. Adams stated that the strategic plan’s priorities and framework will still be aligned with the division’s resources to best meet industry’s needs. NST has been conducting some in depth interviews with the Executive Committee and members of the USDA and CDFA to gain more information on what is and isn’t working. Ms. Adams will report their findings when interviews are completed.

United States Department of Agriculture (USDA) Update:

Helene Wright stated that USDA and CDFA will establish an ACP/HLB cooperative agreement to include detection of other citrus pests.

California Citrus Mutual (CCM) Report:

Casey Creamer stated that the citrus bee regulations are being updated by DPR. The CCM Resources Committee met with representatives from Fresno, Ventura, Tulare, and Kern County Agricultural Commissioner’s offices and answered their questions regarding citrus bee regulatory proposal changes and how they would be enforced in each county.

Citrus Research Board (CRB) Report:

Marcy Martin stated that the USDA has moved away from funding single projects under the HLB Multi-Agency Coordination (MAC) Group. A proposal has been submitted for a project to join growers and researchers on ACP control methods and address the spread of HLB.

Recap of Action Items from this Meeting:

ACTION ITEM: Ms. Hornbaker will distribute the motions relating to member election bylaws to Committee members.

ACTION ITEM: A CDFA working group will draft a white paper on SOS biology and regulatory impacts, including impacts to nurseries. The white paper will be vetted through the Science Subcommittee prior to being presented to the Full Committee

Closing Comments and Adjournment:

There were no closing comments and the meeting adjourned at 12:27pm.

<div> <div>California Department of Food and Agriculture</div> <div>Budget Display</div> <div>All Citrus Funding</div> <div>October 1, 2020 - September 30, 2021</div> <div>State FY 2020-2021</div> </div>																						
#	Group	Region	Activity	Approved Budget 10/01/20 - 9/30/21	FY 19-20 Year End Expenditures	FY 19-20 Prior Year Expenditures Actualized in FY 20-21	Quarter 1			Quarter 2			Quarter 3			Quarter 4			Total Expenditures	Remaining Balance	Comments	Prior Month Cumulative Expenditures (presented July 6, 2021)
							(1) Oct '20* Expenditures	(2) Nov '20* Expenditures	(3) Dec '20* Expenditures	(4) Jan '21* Expenditures	(5) Feb '21* Expenditures	(6) Mar '21* Expenditures	(7) Apr '21* Expenditures	(8) May '21* Expenditures	(9) Jun '21 Expenditures	(10) Jul '21 Expenditures	(11) Aug '21 Expenditures	(12) Sep '21 Expenditures				
1	ACP Mgmt	Border	Treatment	\$421,024	\$134,825	\$0	\$ 11,384	\$ 1,221	\$ 20,885	\$ 22,443	\$ 37,366	\$ 59,525	\$ 92,881	\$ 13,457	\$ 11,605	\$ -	\$ -	\$ -	\$270,768	\$150,256	Citrus and/or contractor conducting treatments along the US/MX border	\$ 258,020
2	ACP Mgmt	Central	Survey	\$2,601,010	\$1,634,053	\$602,977	\$ 274,745	\$ 214,065	\$ 286,309	\$ 262,939	\$ 263,176	\$ 254,648	\$ 242,492	\$ 179,513	\$ 116,100	\$ 168	\$ -	\$ -	\$2,094,154	\$506,856	County contracts for detection and delimitation trapping	\$ 1,693,655
3	ACP Mgmt	Central	Treatment	\$1,601,677	\$110,045	\$0	\$ 30,482	\$ 64,670	\$ 123,951	\$ 80,923	\$ 28,520	\$ 17,862	\$ 3,996	\$ 4,350	\$ 8,693	\$ -	\$ -	\$ -	\$363,447	\$1,238,230	Citrus and/or contractor conducting treatments in CV	\$ 354,755
4	ACP Mgmt	Northern	Survey	\$2,128,360	\$1,009,664	\$283,824	\$ 90,726	\$ 158,201	\$ 206,887	\$ 154,608	\$ 125,516	\$ 168,287	\$ 153,905	\$ 64,632	\$ 87,770	\$ 317	\$ -	\$ -	\$1,210,847	\$917,513	Citrus and County contracts for detection and delimitation trapping	\$ 849,153
5	ACP Mgmt	Northern	Treatment	\$308,976	\$406,317	\$0	\$ 90,160	\$ 53,444	\$ 6,578	\$ 8,423	\$ 15,553	\$ 505	\$ 3,979	\$ 16,592	\$ 383	\$ -	\$ -	\$ -	\$195,616	\$113,360	Citrus and/or contractor conducting treatments in northern part of the state	\$ 195,233
6	ACP Mgmt	Southern	Treatment	\$1,619,827	\$667,721	\$0	\$ 221,649	\$ 8,112	\$ 35,608	\$ 50,786	\$ 95,417	\$ 42,570	\$ 1,022	\$ 727	\$ 4,639	\$ -	\$ -	\$ -	\$460,531	\$1,159,296	Citrus and/or contractor conducting residential buffer treatments around PMA's when 90% threshold is met	\$ 457,617
7	ACP Mgmt	Southern	Survey	\$326,415	\$441,272	\$0	\$ 11,857	\$ 9,408	\$ 36,936	\$ 31,945	\$ 64,774	\$ 34,292	\$ 14,075	\$ 13,011	\$ 5,223	\$ -	\$ -	\$ -	\$221,522	\$104,893	Citrus trapping and/or survey required for Areawide treatment substantiation	\$ 178,481
8	ACP Mgmt	Statewide	Biocontrol	\$1,659,010	\$1,537,052	\$0	\$ 167,574	\$ 353,942	\$ 102,012	\$ 74,623	\$ 100,034	\$ 125,209	\$ 121,343	\$ 94,702	\$ 70,682	\$ -	\$ -	\$ -	\$1,210,120	\$448,890	CDFA & CASS Biocontrol	\$ 1,086,070
9	ACP Mgmt	Statewide	Survey	\$2,045,040	\$1,990,697	\$0	\$ 84,207	\$ 56,791	\$ 209,498	\$ 104,019	\$ 160,179	\$ 153,670	\$ 160,284	\$ 107,598	\$ 113,665	\$ -	\$ -	\$ -	\$1,149,911	\$895,129	Citrus Grove Trapping	\$ 883,874
10	ACP Mgmt	Statewide	Regulatory	\$3,511,529	\$2,449,911	\$350,936	\$ 256,103	\$ 216,683	\$ 214,908	\$ 205,618	\$ 161,138	\$ 218,920	\$ 198,777	\$ 129,679	\$ 130,453	\$ -	\$ -	\$ -	\$1,732,279	\$1,779,250	Regulatory County contracts for ACP Regional Q Enforcement	\$ 1,175,296
11	HLB Det	Border	Survey	\$263,732	\$89,842	\$0	\$ 15,988	\$ 82,809	\$ 986	\$ 1,688	\$ 224	\$ 5,446	\$ 9,518	\$ 17,249	\$ 9,488	\$ -	\$ -	\$ -	\$143,396	\$120,336	County contract for live collection of ACP for Clas analysis along the US/MX border	\$ 121,797
12	HLB Det	Southern	Survey	\$2,112,023	\$1,863,006	\$0	\$ 78,183	\$ 189,949	\$ 97,641	\$ 101,342	\$ 56,571	\$ 64,474	\$ 75,282	\$ 83,441	\$ 89,729	\$ -	\$ -	\$ -	\$836,613	\$1,275,410	HLB delimitation surveys	\$ 748,609
13	HLB Det	Statewide	Survey	\$5,901,947	\$1,551,808	\$0	\$ 212,983	\$ 6,999	\$ 190,709	\$ 260,186	\$ 321,948	\$ 321,055	\$ 318,598	\$ 313,752	\$ 308,499	\$ 499	\$ -	\$ -	\$2,255,228	\$3,646,719	Statewide Risk Survey	\$ 1,949,893
14	HLB Det	Statewide	Diagnostics	\$3,322,772	\$2,435,785	\$0	\$ 197,422	\$ 344,720	\$ 165,359	\$ 154,891	\$ 188,490	\$ 212,215	\$ 175,280	\$ 169,687	\$ 164,850	\$ -	\$ -	\$ -	\$1,772,913	\$1,549,859	CRB Riverside Lab and CDFA Lab	\$ 1,416,803
15	HLB Erad	Southern	Treatment	\$4,224,668	\$3,955,330	\$301	\$ 197,713	\$ 112,382	\$ 176,597	\$ 144,453	\$ 135,011	\$ 227,596	\$ 285,645	\$ 420,916	\$ 156,910	\$ 9,803	\$ -	\$ -	\$1,867,025	\$2,357,643	Citrus, Treatment Contractor and Tree Removal	\$ 1,415,154
16	HLB Erad	Statewide	Regulatory	\$928,610	\$438,034	\$0	\$ 18,122	\$ 177,984	\$ 38,593	\$ 30,667	\$ 42,291	\$ 50,592	\$ 31,916	\$ 34,655	\$ 27,506	\$ -	\$ -	\$ -	\$452,325	\$476,285	Regulatory activities in the HLB Q	\$ 407,002
17	ACP/HLB	Statewide	Admin	\$5,812,114	\$2,539,758	\$0	\$ 476,418	\$ 158,549	\$ 418,658	\$ 318,459	\$ 359,001	\$ 293,364	\$ 332,136	\$ 277,932	\$ 113,488	\$ -	\$ -	\$ -	\$2,748,006	\$3,064,108	Citrus Admin, including Pro Rata	\$ 2,634,518
18	ACP/HLB	Statewide	Outreach	\$1,672,926	\$1,786,841	\$41,029	\$ 189,260	\$ 141,931	\$ 192,575	\$ 88,974	\$ 119,306	\$ 111,309	\$ 100,462	\$ 159,913	\$ 34,039	\$ -	\$ -	\$ -	\$1,137,770	\$535,156	Grower Liaisons, NST	\$ 880,592
19	ACP/HLB	Statewide	Data Analysis	\$1,620,510	\$595,794	\$0	\$ 80,746	\$ 119,955	\$ 163,955	\$ 52,343	\$ 119,037	\$ 160,184	\$ 216,605	\$ 125,423	\$ 80,092	\$ -	\$ -	\$ -	\$1,118,340	\$502,170	CRB Data Management, DATOC and Research (not diagnostics) CRB Admin	\$ 361,377
20	ACP Mgmt	Statewide	Diagnostics	\$165,988	\$155,942	\$0	\$ 15,227	\$ 25,677	\$ 13,507	\$ 11,968	\$ 14,308	\$ 13,987	\$ 11,883	\$ 10,885	\$ 447	\$ -	\$ -	\$ -	\$117,888	\$48,100	CDFA Lab activities associated with ACP identification	\$ 567,142
* Months have closed out in FISCAL				\$42,248,158	\$25,793,698	\$1,279,067	\$2,720,948	\$2,497,490	\$2,702,153	\$2,161,300	\$2,407,861	\$2,535,709	\$2,550,077	\$2,238,112	\$1,534,260	\$10,787	\$0	\$0	\$21,358,698	\$20,889,460		\$ 17,635,041
							\$1,862,987	\$1,706,629	\$1,935,573	\$2,439,867	\$2,378,049	\$3,298,703	\$4,459,349	\$2,831,986					\$20,913,143			
							46.05%	46.34%	39.60%	-11.42%	1.25%	-23.13%	-42.82%	-20.97%					2.13%			
							\$1,087,818	\$896,214	\$2,579,176	\$1,414,185	\$1,584,731	\$2,470,692	\$2,489,512	\$1,053,774	\$3,227,673	\$1,025,013	\$1,438,068	\$1,465,602	\$20,732,458			
							150.13%	178.67%	4.77%	52.83%	51.94%	2.63%	2.43%	112.39%	-52.47%	-98.95%	-100.00%	-100.00%	3.02%			

Citrus Pest and Disease Prevention Revenue
Monthly Citrus Assessment Totals FY 20-21

	Reporting Months*															
	Nov-20	Dec-20	Jan-21	Feb-21	Mar-21	Apr-21	May-21	Jun-21	Jul-21	Aug-21	Sep-21	Oct-21	Nov-21	Dec-21	Jan-22	Monthly Total
Prior FY**					\$661.72											\$661.72
October-20	\$391,686.84	\$187,077.22		\$3,073.80												\$581,837.86
November-20		\$653,210.58	\$569,636.29	\$483.12												\$1,223,329.99
December-20			\$1,079,166.06	\$358,290.89	\$9,549.73	\$12.34										\$1,447,019.02
January-21				\$653,896.03	\$1,166,482.99	\$25,495.59	\$2,145.61	\$6,110.98								\$1,854,131.20
February-21					\$1,631,072.84	\$433,523.87	\$115.17	\$15,550.32								\$2,080,262.20
March-21						\$2,020,447.89	\$55,156.40									\$2,075,604.29
April-21							\$1,987,197.95	\$130,052.01	\$1,745.04							\$2,118,995.00
May-21								\$1,549,250.62	\$21,085.66							\$1,570,336.28
June-21								\$1,468.61	\$983,018.27							\$984,486.88
July-21																\$0.00
August-21																\$0.00
September-21																\$0.00
Total	\$391,686.84	\$840,287.80	\$1,648,802.35	\$1,015,743.84	\$2,807,767.28	\$2,479,479.69	\$2,044,615.13	\$1,702,432.54	\$1,005,848.97	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$0.00	\$13,936,664.44

																	Year End Total	% of Total Expenditures
Total (FY16/17)	\$ 812,142.45	\$ 1,326,016.67	\$ 2,031,640.08	\$ 1,455,851.41	\$ 2,258,591.53	\$ 2,549,575.70	\$ 2,711,509.62	\$ 1,513,338.78	\$ 730,513.92							\$ 15,389,180.16		
Total (FY17/18)	\$ 481,613.57	\$ 1,050,488.08	\$ 1,560,517.66	\$ 1,999,787.03	\$ 2,230,950.76	\$ 1,824,553.00	\$ 2,581,397.00	\$ 1,231,170.00	\$ 638,548.83							\$ 13,599,025.93		
Total (FY18/19)	\$ 742,789.59	\$ 919,305.41	\$ 1,564,808.76	\$ 2,419,328.90	\$ 2,005,473.60	\$ 2,958,363.66	\$ 3,179,947.99	\$ 1,862,783.11	\$ 974,884.29							\$ 16,627,685.31		
Total (FY19/20)	\$ 581,585.82	\$ 1,201,789.86	\$ 1,564,881.85	\$ 2,323,903.84	\$ 2,105,366.28	\$ 2,401,141.59	\$ 2,885,737.31	\$ 1,985,060.87	\$ 1,256,987.04							\$ 16,306,454.46		

*Reporting starting November due to minimum one month lag, reported as of the last day of each month.

**Prior FY revenue reporting starts February/March

***202,600,000 cartons x \$.08/carton = \$16,208,000

Total Projected Revenue (Original)***	\$16,208,000.00	Estimated Outstanding	-\$2,271,335.56
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MEMORANDUM OF UNDERSTANDING

Between the California Citrus Pest and Disease Prevention Committee (Committee)
and the Central California Tristeza Eradication Agency (Agency) by and for the
Southern Tulare County Citrus Pest Control District, the Central Valley Pest Control District and
the Kern County Citrus Pest Control District.

ARTICLE 1 – PURPOSE

This Memorandum provides for the cooperative participation between the Committee and the Agency for the purpose of funding the implementation of the citrus tristeza virus effective plan.

ARTICLE 2 – AUTHORITIES

This Memorandum is entered into by virtue of California Food and Agricultural Code (FAC) Section 5930 which provides authority for the Committee, in consultation with the California Department of Food and Agriculture, to enter into a memorandum of understanding (MOU) with citrus pest control districts responsible for funding citrus tristeza virus prevention activities. The Agency is created by a Joint Powers Agreement (JPA), (Exhibit A) by and between the Southern Tulare County Citrus Pest Control District, the Central Valley Pest Control District and the Kern County Citrus Pest Control District (Districts).

ARTICLE 3 – RESPONSIBILITIES

This Memorandum serves to establish the parties' responsibilities under the MOU, and to define in general terms the basis on which the parties will cooperate.

ARTICLE 4 – MUTUAL AGREEMENT

The cooperating parties agree:

1. The JPA provides common powers to the Agency as those held by the Districts, pursuant to FAC Section 8401, et. seq., for the eradication, removal, or prevention of spread of any and all citrus pests.
2. The Committee was formed pursuant to the Citrus Disease Prevention Act (Act) codified at FAC, Section 5911, et. seq.
3. The Act requires the Committee and the Districts to enter into a MOU for the purpose of funding the implementation of the citrus tristeza virus effective plan.

ARTICLE 5 – COMMITTEE RESPONSIBILITIES

The Committee shall continue with its responsibilities regarding Asian citrus psyllid/Huanglongbing prevention efforts, and periodically consult with the Technical Advisory Committee (TAC) of the Agency regarding the Agency's operation of the citrus tristeza virus effective plan.

ARTICLE 6 – AGENCY RESPONSIBILITIES

On behalf of the Districts and pursuant to the JPA, the Agency shall carry out the Districts' and Agency missions as more specifically set forth in the JPA and the Agency's citrus tristeza virus effective plan. The Agency programs, protocols, and implementation of the citrus tristeza virus effective plan, shall be as developed and approved by the TAC to the Agency, and/or its successors, in consultation with the Committee, with periodic reviews and modifications as directed or recommended by the TAC. Funding and oversight of the Agency's operation of the citrus tristeza virus effective plan will remain with the Districts.

ARTICLE 8 – FINANCIAL OBLIGATION

This MOU defines the basis on which the parties voluntarily cooperate and as such does not constitute a financial obligation to serve as a basis of expenditures. Responsibilities assumed by each of the cooperating parties are contingent upon funds being available to cover expenditures.

ARTICLE 9 – EFFECTIVE DATE AND DURATION

This MOU shall become effective upon the date of final signature and shall continue until July 1, 2022. It may be modified by mutual agreement between the parties in writing and may be discontinued at the request of one of the parties. Request for termination, or any major changes, shall be submitted to the other parties for its consideration not less than 30 days prior to the effective or desired date.

Citrus Pest and Disease Prevention Committee

Victoria Hornbaker, Manager
Citrus Pest and Disease Prevention Committee

Date

Central California Tristeza Eradication Agency

John Fisher IV, Chairman
Board of Commissioners

Date



California Department of Food & Agriculture Plant Pest Diagnostics Center HLB Testing Program 2021

Monthly Lab Totals – Fig. 1

HLB Yearly Totals – Fig. 2

2021 Plant and ACP Samples by County – Fig. 3

Tally of Positive Detections by County and City – Tables 1-3

Risk-based Samples – Tables 4, 5; Fig. 4, 5

Tally of Positive Detections by City per Year – Tables 6

Map of HLB Positive Trees – Fig. 7

If you have any questions, please call or email me at 916-738-6710 lucita.kumagai@cdfa.ca.gov.

Fig 1. 2021 Plant and ACP sample totals per month.

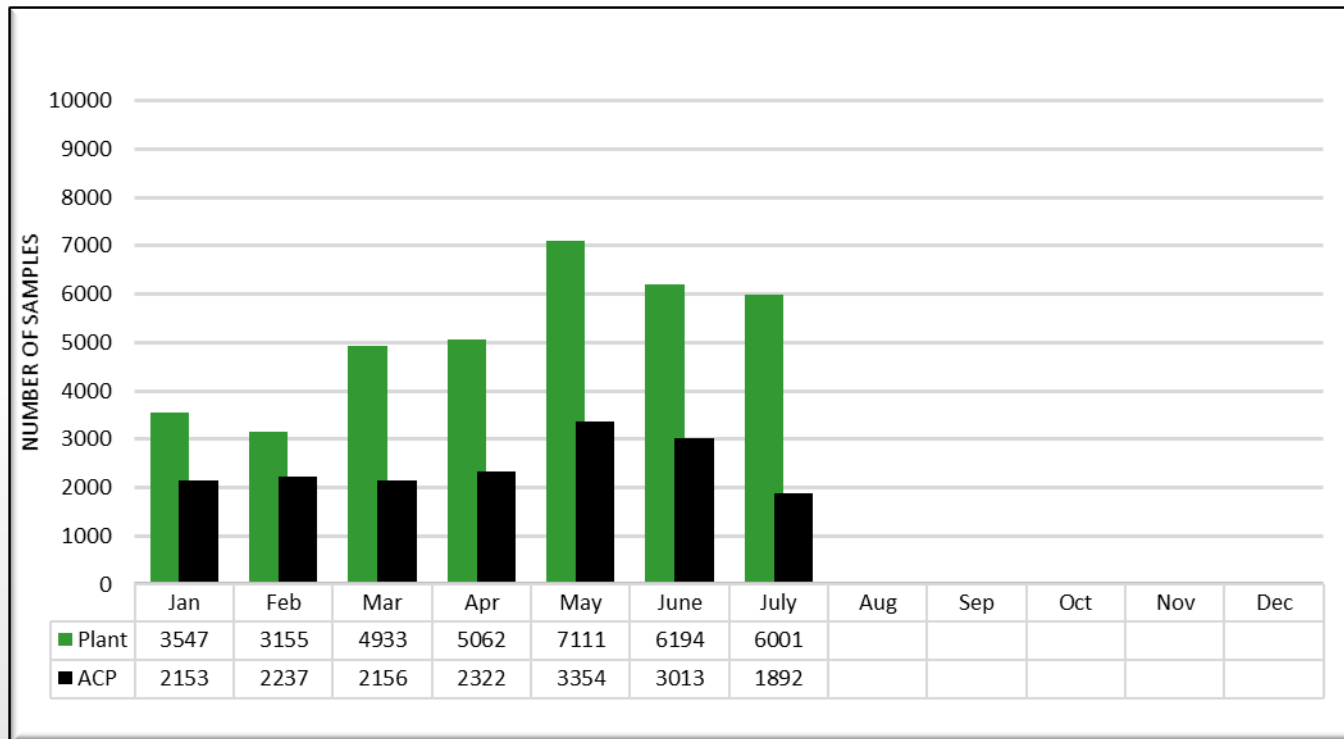
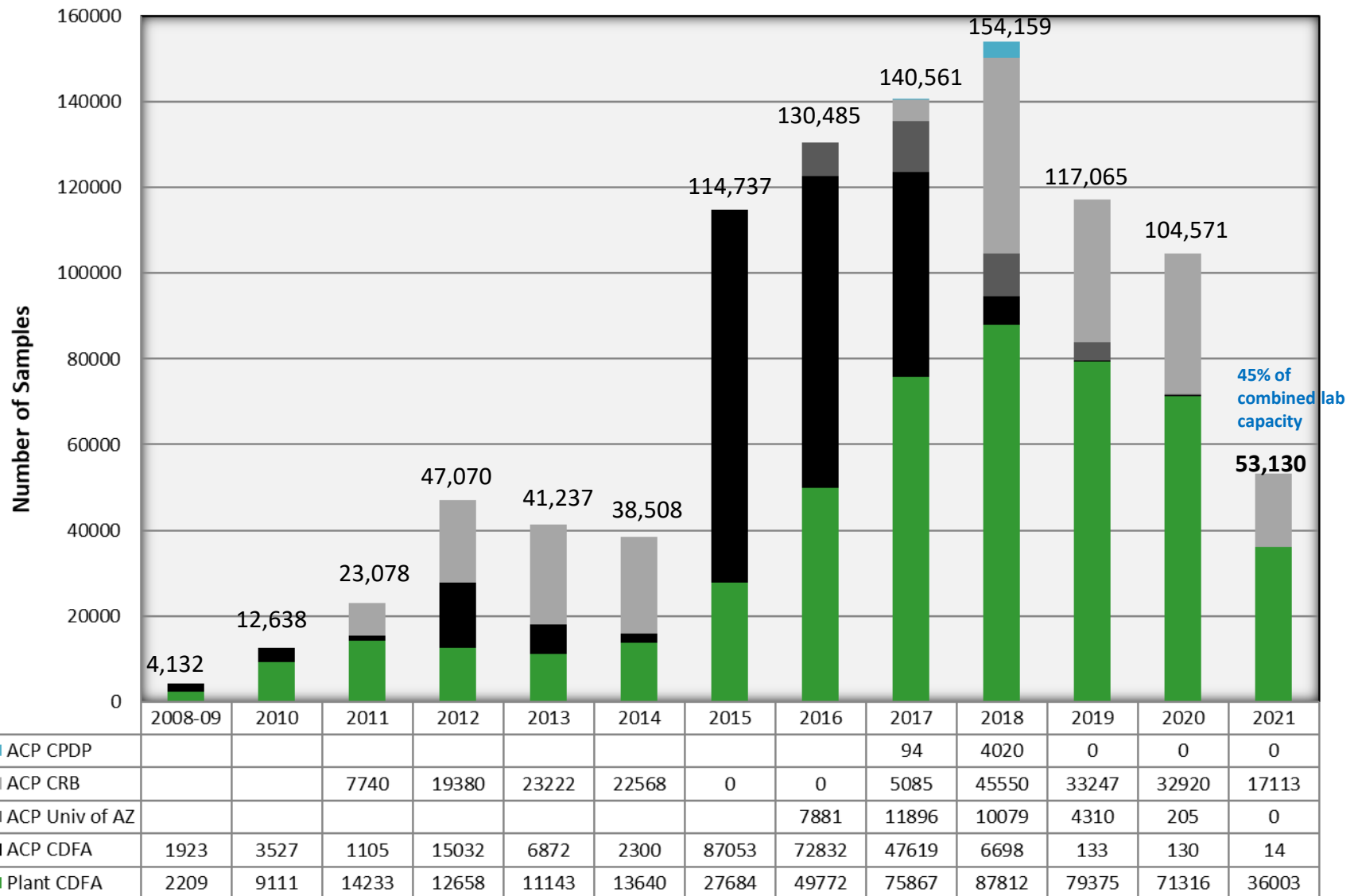
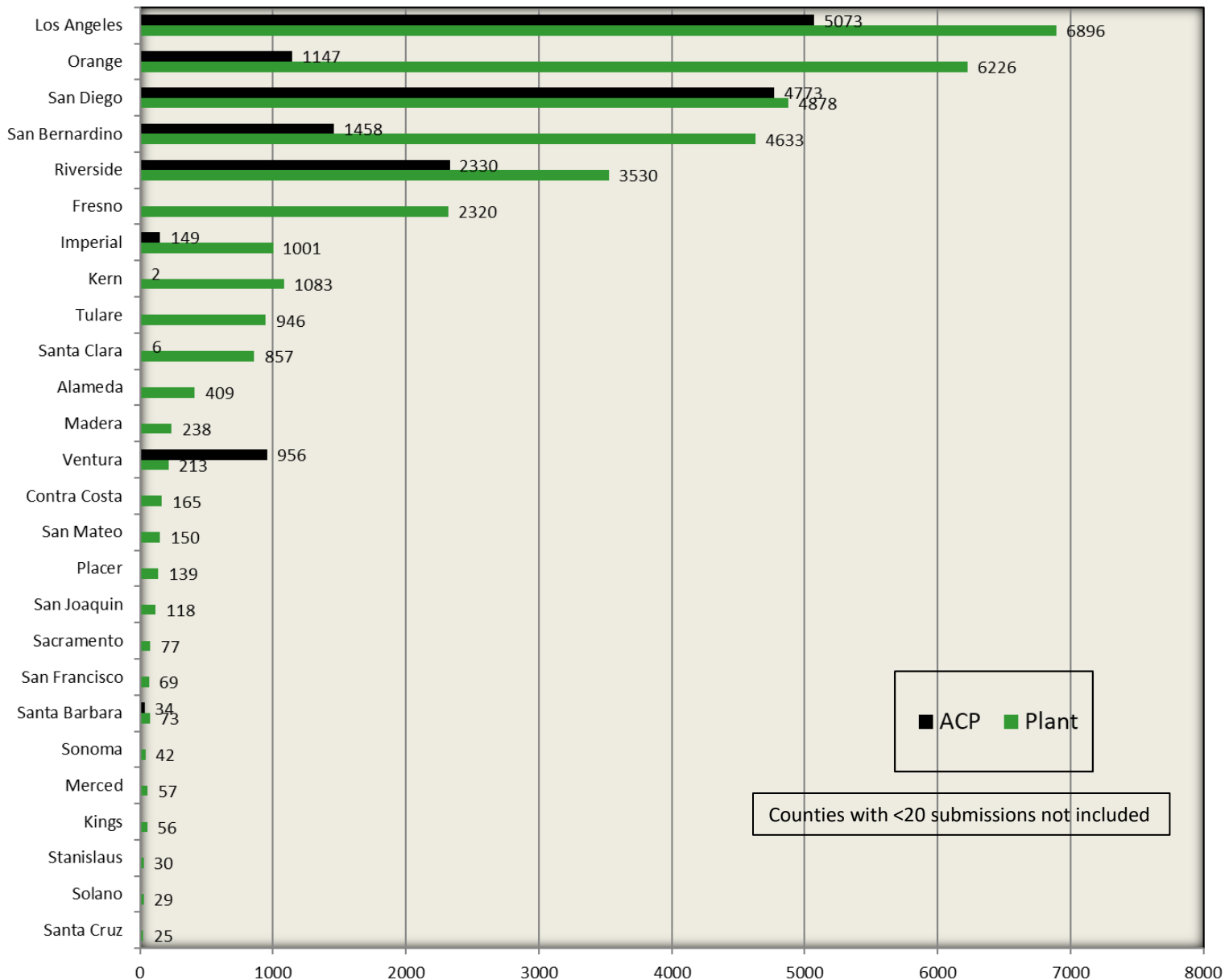


Fig 2. Number of samples submitted for HLB testing per year from 2008 to 2021.



Combined total of plant and ACP samples tested from 2008 – 2021 is 981,371.

Fig 3. 2021 Plant and ACP Samples Submitted by County



Tables 1-3. Tally of positive detections by county and city as of 7/30/2021

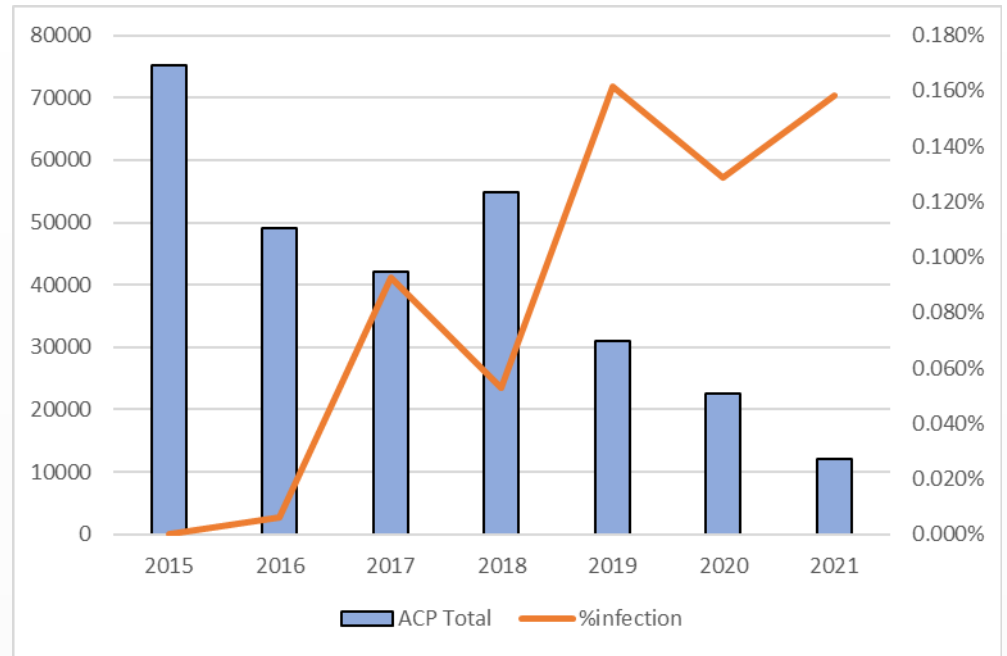
County	Sites	Trees	ACP
Orange	71.4%	75.0%	66.8%
LA	25.0%	22.0%	25.7%
Riverside	2.5%	2.0%	4.0%
San Bernardino	1.1%	1.0%	2.9%
San Diego	0.1%	0.1%	0.6%
Total	100%	100%	100%

Sample type	Trees		ACP	
RS	106	4%	170	49%
HLBR	2329	96%	176	51%
Total	2435	100%	346	100%

Positives	# Sites	# Trees	# ACP
Orange County			
Garden Grove	394	607	57
Santa Ana	354	496	46
Anaheim	265	379	93
Westminster	127	193	11
Orange	73	93	11
Tustin	11	14	3
Fountain Valley	4	10	0
Huntington Beach	16	19	0
Placentia	8	7	2
La Habra	2	3	1
Fullerton	3	1	3
Yorba Linda	3	2	2
Irvine	3	2	2
Total	1263	1826	231
Los Angeles County			
Whittier	129	160	20
Pico Rivera	107	130	36
Montebello	62	88	1
San Gabriel	61	77	6
Rosemead	23	28	4
Paramount	16	17	3
La Mirada	8	7	4
La Puente	4	3	1
Norwalk	6	4	3
Cerritos	3	2	2
Hacienda Heights	2	2	1
Lakewood	5	6	0
Duarte	1	2	1
El Monte	3	2	1
Alhambra	1	1	0
Temple City	1	1	1
Compton	1	1	0
Glendora	1	0	1
South Gate	3	2	1
Long Beach	4	2	2
Los Angeles	1	0	1
Total	442	535	89
Riverside County			
Corona	25	30	10
Riverside	17	16	4
Eastvale	1	1	0
Moreno Valley	1	1	0
Total	44	48	14
San Bernardino County			
Rancho Cucamonga	2	5	2
Montclair	6	6	0
Colton	6	11	3
San Bernardino	2	1	1
Ontario	2	1	1
Fontana	1	0	3
Total	19	24	10
San Diego			
Fallbrook	1	0	1
Oceanside	1	2	1
Total	2	2	2
Grand Total	1770	2435	346

Tables 4-5, Fig 4-5. Risk-based Samples

	ACP Total	%infection
2015	75285	0.000%
2016	49015	0.006%
2017	42106	0.093%
2018	54771	0.053%
2019	30927	0.162%
2020	22568	0.129%
2021	11984	0.159%



	Plant Total	%infection
2015	17603	0.006%
2016	12383	0.008%
2017	22043	0.132%
2018	23683	0.089%
2019	26096	0.130%
2020	20019	0.050%
2021	15917	0.057%

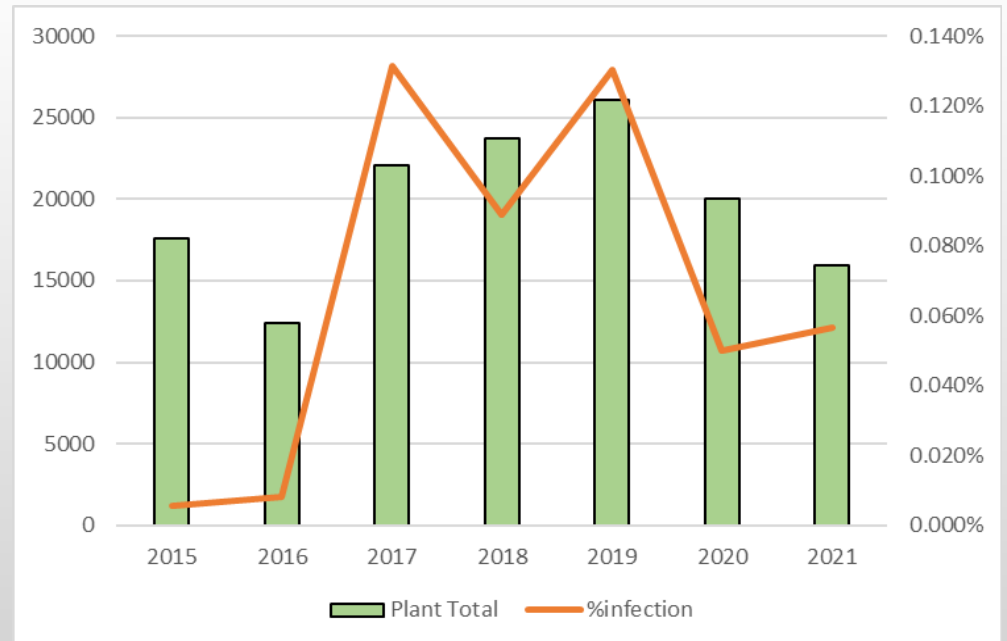


Table 6. Annual tally of positive trees per city as of 7/30/2021

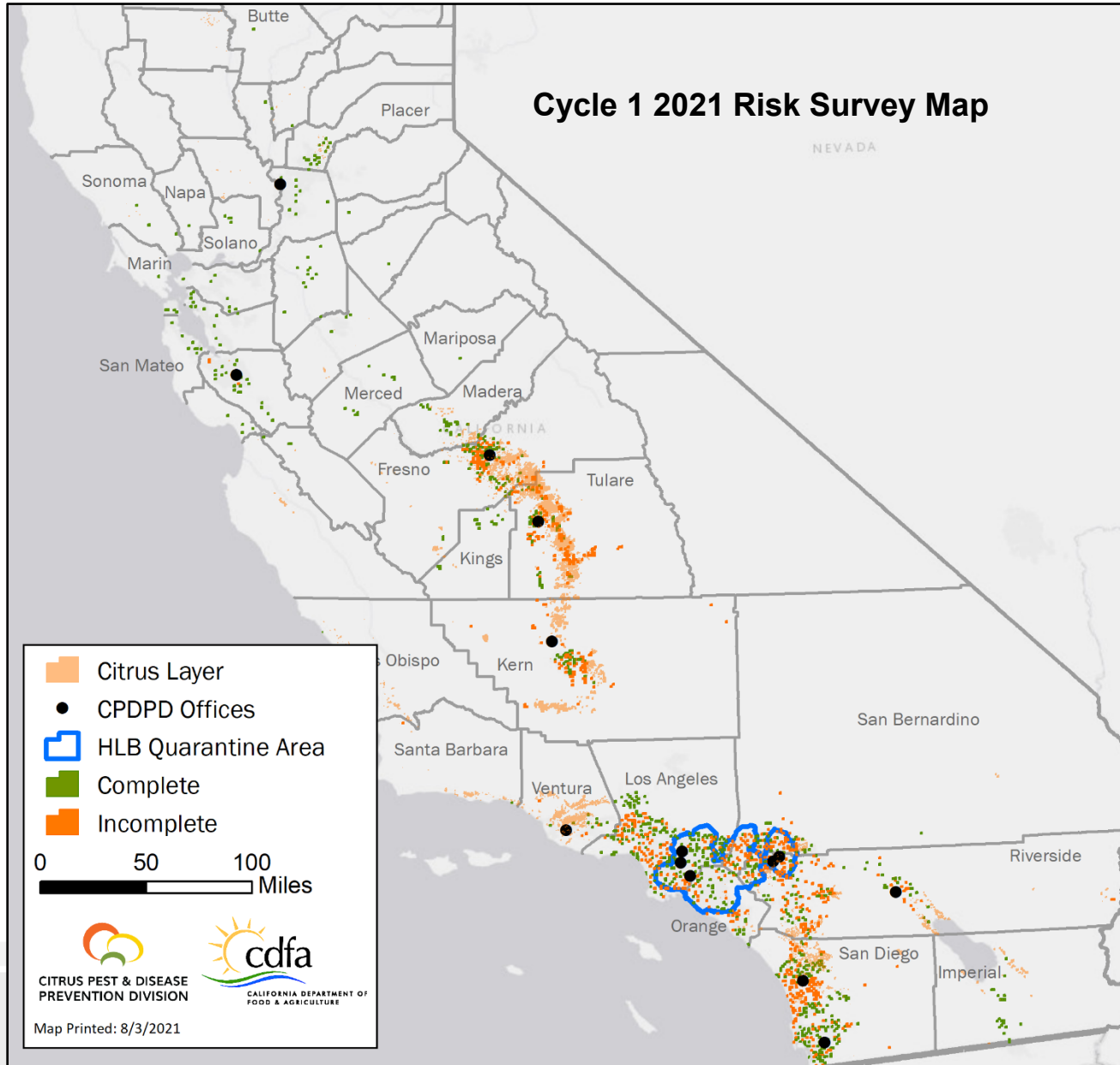
Cities	2012	2015	2016	2017	2018	2019	2020	2021	Total
Anaheim				132	109	90	21	27	379
Garden Grove				13	348	115	116	15	607
La Habra				1	0	2	0	0	3
Fullerton				1	0	0	0	0	1
Santa Ana					44	168	217	67	496
Westminster					15	175	3	0	193
Yorba Linda					1	0	0	1	2
Orange					31	14	36	12	93
Tustin					5	8	1	0	14
Huntington Beach						6	2	11	19
Placentia						7	0	0	7
Fountain Valley							10	0	10
Irvine							1	1	2
Hacienda Heights	1	0	1	0	0	0	0	0	2
San Gabriel		10	17	33	10	6	0	1	77
Cerritos			1	1	0	0	0	0	2
Pico Rivera				67	35	18	10	0	130
Whittier				18	80	23	21	18	160
La Puente					0	3	0	0	3
Lakewood					1	1	0	4	6
Norwalk					1	0	2	1	4
Rosemead					17	11	0	0	28
Duarte					2	0	0	0	2
Temple City						1	0	0	1
Montebello						84	4	0	88
El Monte						1	1	0	2
Compton						1	0	0	1
Alhambra						1	0	0	1
La Mirada							7	0	7
Paramount							11	6	17
Long Beach								2	2
South Gate								2	2
Glendora									0
Riverside				3	0	4	6	3	16
Corona						15	4	11	30
Eastvale							1	0	1
Moreno Valley							1	0	1
Montclair						2	2	2	6
San Bernardino							1	0	1
Ontario							1	0	1
Colton							4	7	11
Rancho Cucamonga							5	0	5
Fontana									0
Oceanside								2	2
Fallbrook									0
Total	1	10	19	269	699	756	488	193	2435

COUNTIES
Orange
Los Angeles
Riverside
San Bernardino
San Diego



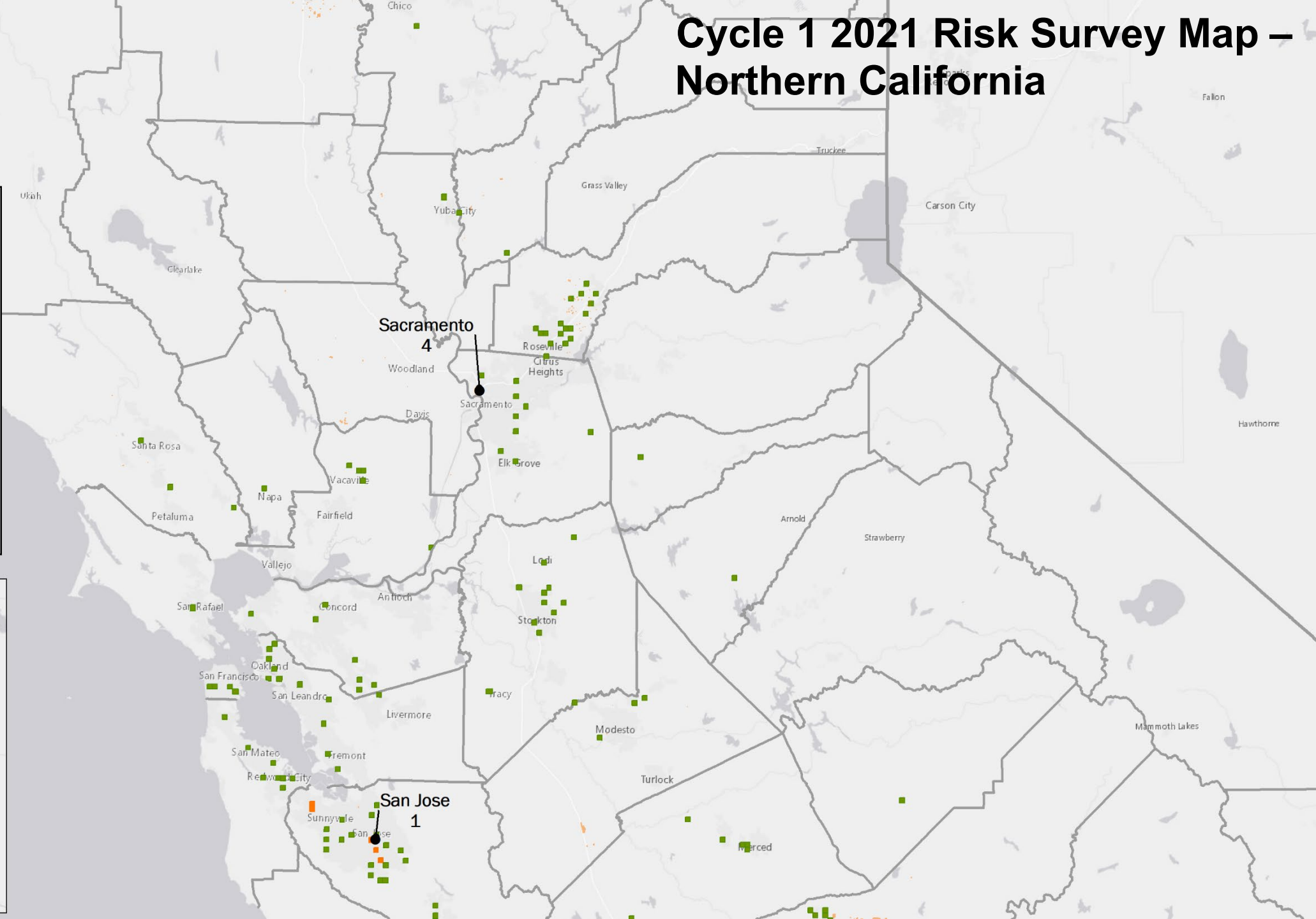
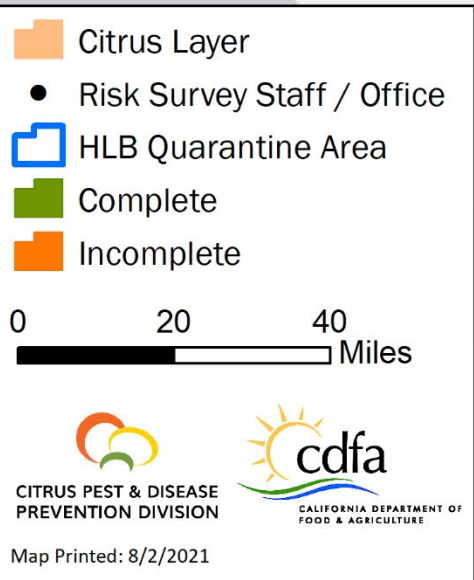
Risk Survey Update
California Citrus Pest and Disease Prevention Committee
August 11, 2021

Risk Survey Cycle 1 (2021) Status

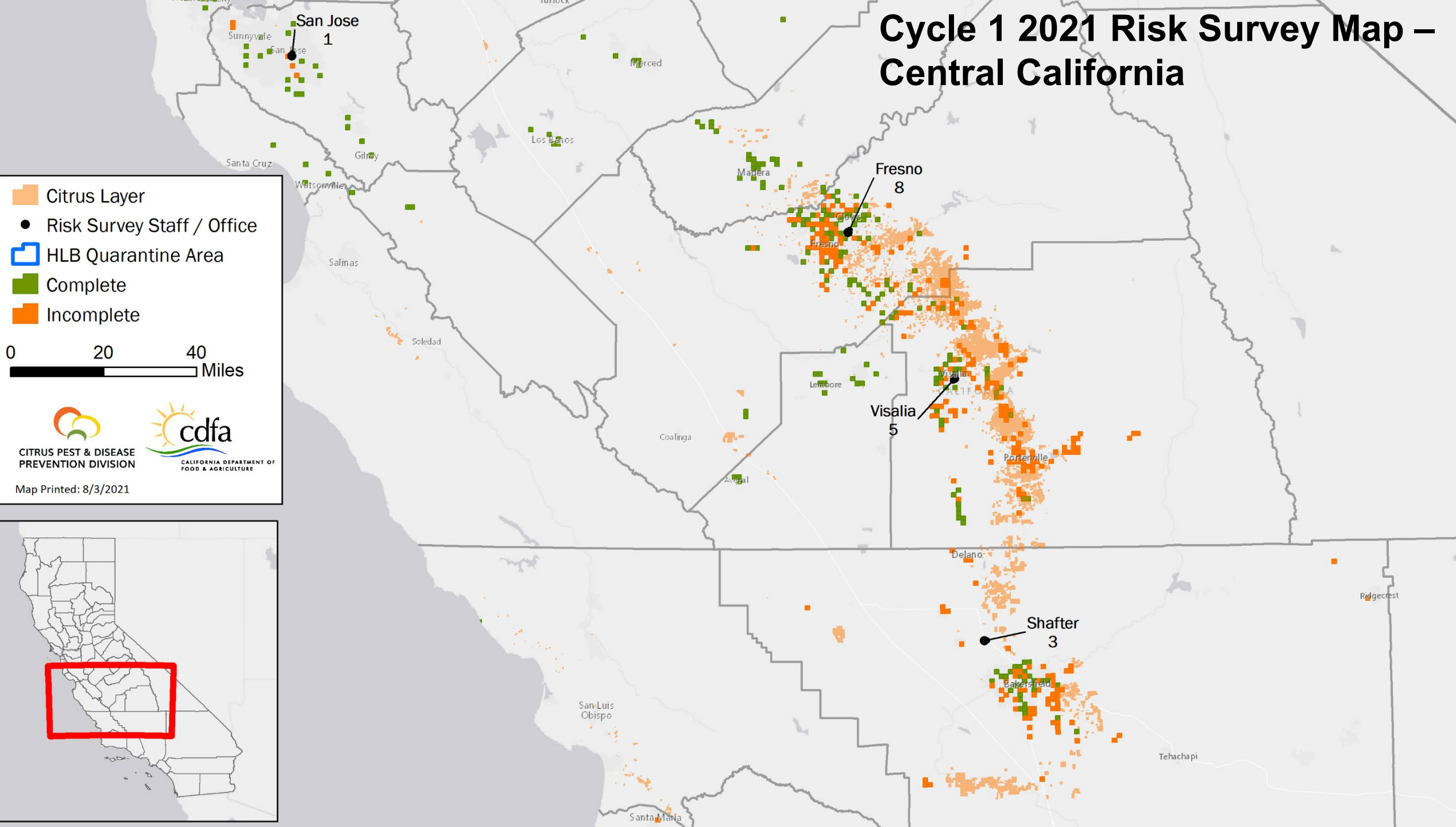
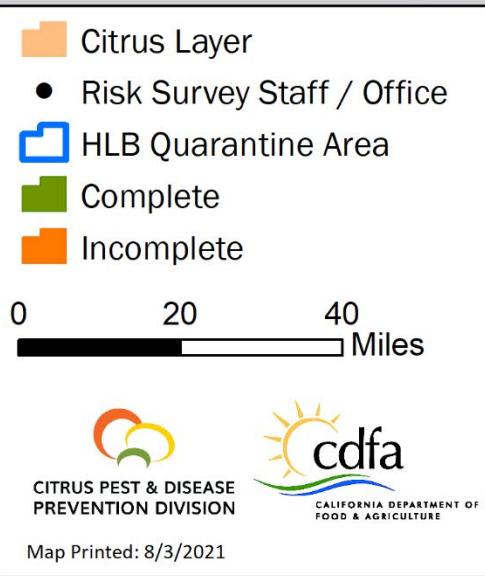


- Began Mid-March
- 51% Complete
- Survey Complete in 24 of 36 Allocated Counties
- 24,634 Properties Visited
- 12,289 Properties Sampled
- 5,932 Entomology PDRs
- 7,842 Plant PDRs

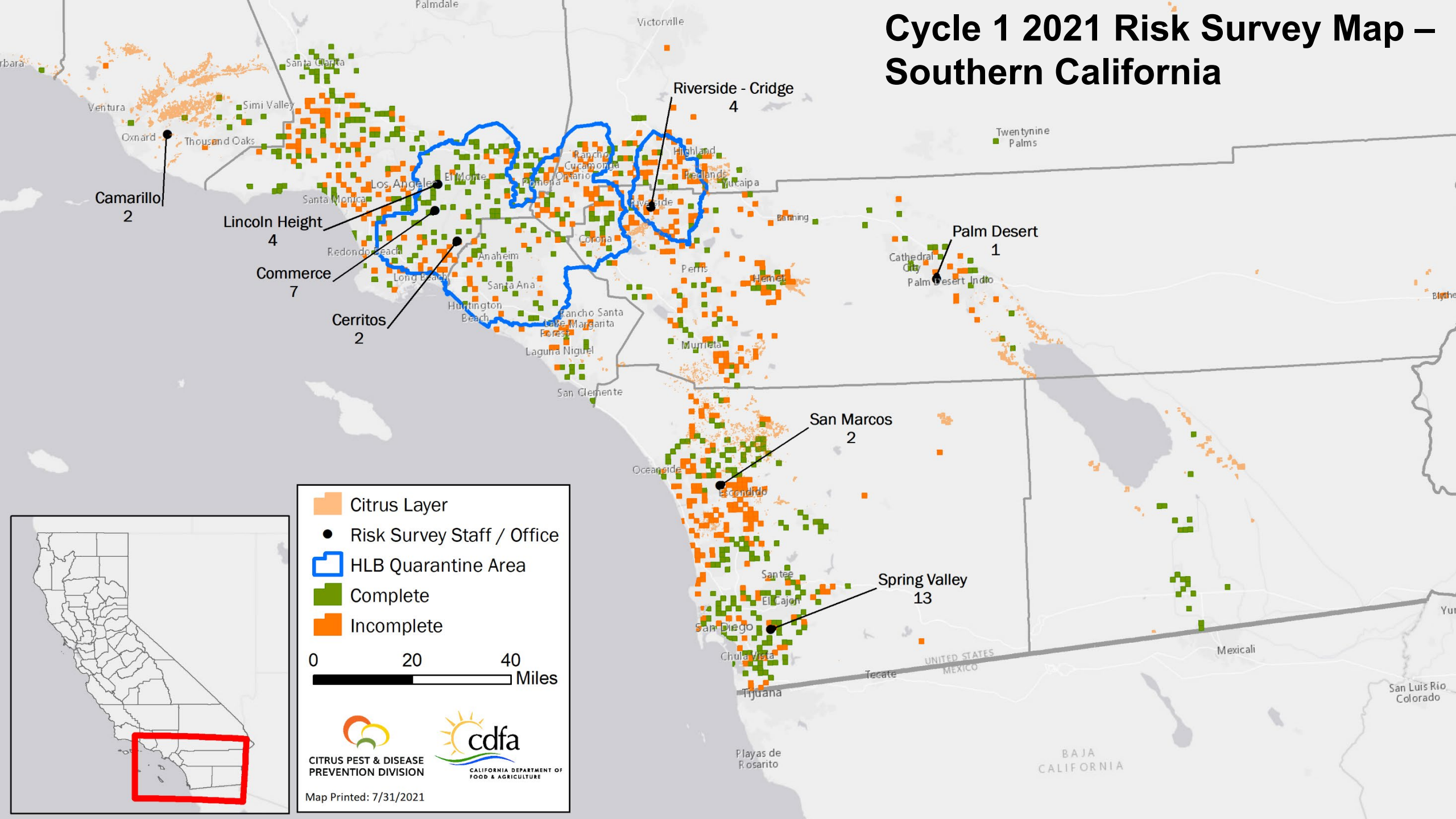
Cycle 1 2021 Risk Survey Map – Northern California



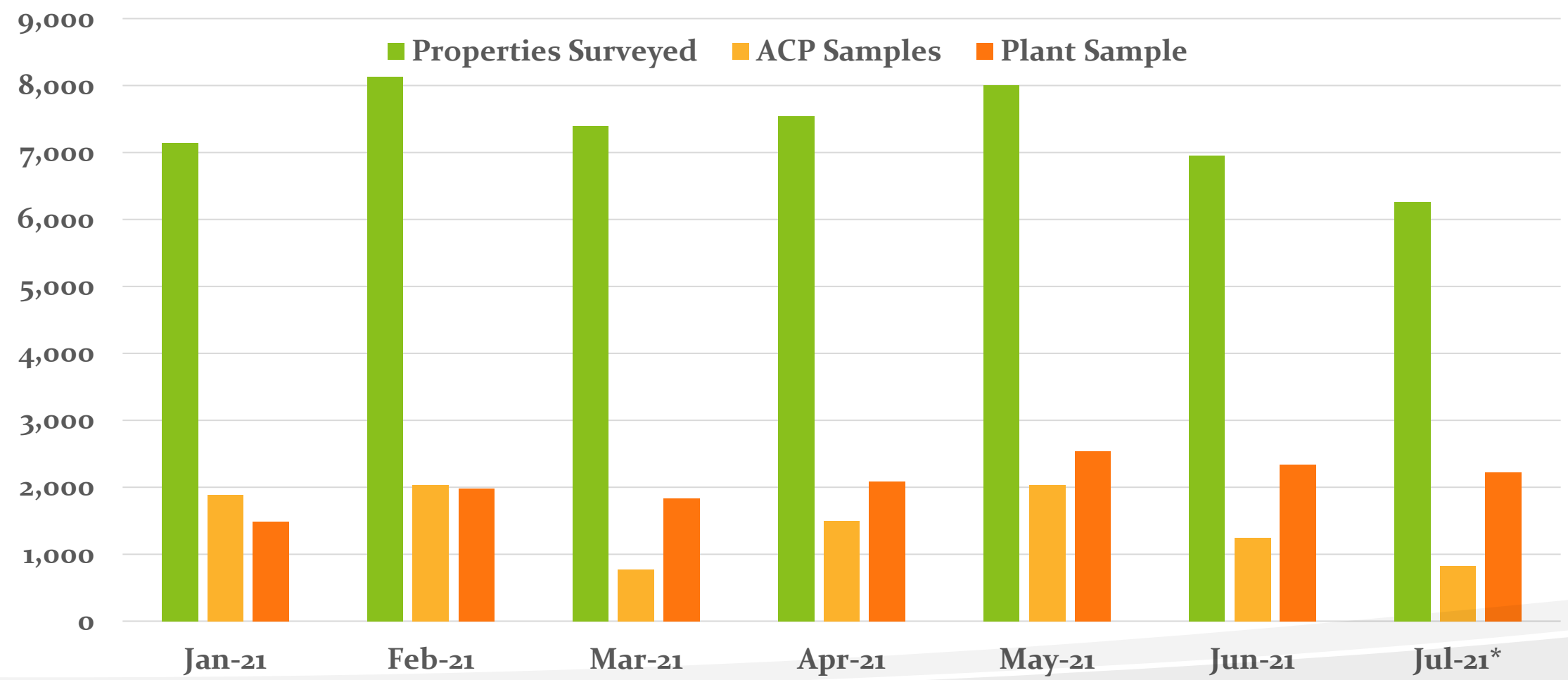
Cycle 1 2021 Risk Survey Map – Central California



Cycle 1 2021 Risk Survey Map – Southern California



Statewide Risk Survey Trends



*Data current as of 07/28/2021



Operational Update

CPDPC Meeting

August 11, 2021

Southern District

HLB Delimitation Survey and Treatment Areas

Orange County

- Anaheim (87- 88), Orange (39-40), Santa Ana (69-76), Irvine (1- 2), and Garden Grove (56-62).
- Retreatments were conducted in Orange (7,9,11 & 12), and Santa Ana (1-4, 6, 8-10,12).

Los Angeles County

- Lakewood (3), Long Beach (3 & 4), Los Angeles (1), Whittier (38), Paramount (3-4), El Monte (1), Pico Rivera (37-38), and Norwalk (5).
- Retreatments were conducted in Hacienda Heights (1), Pico Rivera (1-3, 10), Rosemead (1-2), La Puente (1-4), Cerritos (1), and Temple City (1-6).

San Bernardino County

- Retreatments were conducted in Montclair (1-5), Ontario (1), and Colton (1 & 2).

Riverside County

- Currently treating apartments and multiplexes in Corona (7).

San Diego County

- ACP detection in Oceanside.
- The find site and the adjacent properties have been quadrant sampled and treated.
- Mandatory survey of the host trees in the 250m radius delimitation area is ongoing.
- The treatments will take place after the public meeting on Aug 12.



Southern District

HLB+ Trees

County	Removed in May/June/July	Cumulative pending trees
Orange	71	6
Los Angeles	17	6
San Bernardino	9	0
Riverside	2	0
San Diego	0	2



- Staff is in the process of scheduling the removal of pending trees.

Areawide treatments

- The Summer/Fall cycle 2021 (both Tempo & Merit) started the first week of August and will continue through October.
- Residential buffer areas in Ventura, Santa Barbara, UCR, Hemet, San Bernardino, San Pasqual and San Diego Border will be treated.

Citrus Commodity Survey (Spring and Fall)

- Completed 77% in Imperial, 51% in San Diego, 73% in Riverside, and 85% in San Bernardino.
- The remaining area will be surveyed this fall.

Southern District



Quadrant Samples- Find sites, Adjacent, Inconclusive (May / June / July)		
Orange		1,211
Los Angeles		231
San Diego		172
San Bernardino		1,059

Public Meetings – Delimitation and Area wide (AW) treatments				
June 8	June 10	July 7	July 26	July 29
Los Angeles County	Orange County	Los Angeles and Orange Counties	San Diego Border Buffer (AW)	San Bernardino County (AW)

Central District



- **Detection trapping**
 - Fresno and Madera Counties - Ongoing
- **Delimitation trapping**
 - Kern County – Ongoing
 - Delimitation began in September 2020; 227 traps will be removed in September 2021 and return to detection trapping density levels.
 - 1 new ACP detection in Arvin – confirmed July 26.
 - No expansion of current delimitation area.
 - Kings County
 - Delimitation trapping began September 2020, traps will be removed and return to detection trapping density levels.
 - Madera County – Ongoing
 - San Luis Obispo County - Ongoing
 - Two ACP detections in SLO confirmed on June 30 and July 21.
 - No expansion of current delimitation.
 - Grower treated with Danitol around both detection sites (~95 acres treated) on July 20.
 - CDFA staff will place traps around field bin staging areas at orchard and along border in Santa Maria.



Central District



- **Treatment**

- Area-wide public meeting for Ventura County held July 27 and Santa Barbara County held July 28. Area-wide treatment to begin in August.
- 50-meter treatment area around detection in Kern will be treated after a public meeting is held on August 11. Find site treated the week of August 2.

- **HLB Risk-Based Survey**

- Surveys are ongoing. Northern District staff are assisting Central District staff for the HLB risk-based surveys.

- **Citrus Commodity Survey**

- Will resume in the fall.



Northern District



Contra Costa County (Pinole)

- No additional detections
- 4 delimitation grids
- 147 delimitation traps

Santa Clara County (San Jose)

- 4 detections in July
- One detection triggered a two square mile expansion to the existing delimitation area
- 24 delimitation grids in total
- 549 delimitation traps in total
- Ongoing monthly *Tamarixia* releases



HLB Risk Survey

- 100% complete in 18 counties
- 85% complete in Santa Clara County

ACP Detection

- Year-round County trapping continues in 3 counties

ACP Treatment

- No active treatment projects

County Regulatory Activity
July 2020 - June 2021

County	Total Agreement Amount	Percent Expended	CAs Issued	Grower Inspections	Transporter Inspections	Packer/Processor Inspections	Fruit Seller Inspections	NOVs	NOPAs
Fresno	\$72,795.09	100%	79	2	368	2	2	20	0
Imperial	\$51,394.90	100%	2	26	24	90	0	0	0
Kern	\$85,000.00	65%	24	174	1,049	13	0	10	0
Kings	\$25,743.28	46%	0	0	21	71	0	0	0
Los Angeles (*2)	\$264,002.73	80%	24	0	0	335	45	0	0
Monterey (*1)	\$11,765.25	92%	1	97	0	0	0	0	0
Orange (*2)	\$84,687.75	54%	6	53	1	0	0	0	0
Riverside (*2)	\$677,263.30	90%	29	379	1,757	17	2	9	0
San Bernardino	\$17,512.55	100%	12	18	1	3	0	3	0
San Diego	\$482,982.95	100%	166	137	159	150	16	5	0
San Luis Obispo (*1)	\$10,485.89	84%	10	4	1	0	0	0	0
Santa Barbara (*1)	\$19,904.44	71%	8	65	2	0	4	0	0
Tulare	\$336,871.35	63%	97	1	3,353	0	0	266	90
Ventura (*5)	\$123,239.50	40%	14	5	51	1	0	0	0
Total	\$2,263,648.98	82%	472	961	6,787	682	69	313	90

(*#) = number of invoices missing from the reporting period

Statewide GL Coordinator Update for the 8/11/21 CPDPC Meeting

Staffing

All the GL positions have been filled or renewed for the next two fiscal years. I will vacate the Statewide GL coordinator position at the end of the month and Sara Khalid will act as the interim in this capacity until some decisions are made. It has been great working with you all, thanks.

Fresno and Madera Counties – Teri Blaser

To date there has been no new ACP finds, on traps or live, in either Fresno or Madera Counties. Teri looks forward to serving the growers in both counties and working with the respective Ag Commissioner offices.

Northern Tulare County- Teri Blaser

There has been no ACP live or trap finds in Northern Tulare County since the one trap find in February in Exeter. Teri has not found any abandoned or unmanaged citrus groves as of this time to report to the County Ag Commissioner. Teri continues to send updates to growers.

Southern Tulare County – Jessica Leslie

For the month of July 2021, there have been no new ACP finds in Southern Tulare County.

Jessica Leslie will remain contracted as the Southern Tulare ACP/HLB Grower Liaison for Southern Tulare County for another 2 years.

Jessica has continued to send out her monthly e-mail updates to all interested parties as well as reaching out to current and prospective PMA team leaders. If anyone who is not currently receiving her monthly e-mail updates is interested, please e-mail or call Jessica.

Kern County – Judy Zaninovich

Judy reports there has been a recent trap find of a single adult ACP in Kern County. The detection was on a residential property in Arvin – there is no commercial citrus nearby and CDFA will treat all hosts on the residential properties in the treatment area. The total number of detections is 4 so far in 2021, with the last detection in March. Although the low level of detections so far this year is good news, the past several years has shown that a vast majority of the trap finds in Kern County usually occur in the fall. Past years have shown that even when trap detections remained extremely low throughout the early part of the year, there can be a significant increase in trap finds in the fall – and 2020 is an example. Because of this and the success of past coordinated treatments in 2018 and 2019, the San Joaquin Valley ACP/HLB Task Force is recommending growers with citrus blocks east and south of Bakersfield participate in a coordinated treatment by making a soil-applied imidacloprid or a foliar Actara application in the

mid-August through mid-September period. Organic growers are asked to treat twice during this period with ACP-effective organic materials. Along with email blasts, Judy and the Psyllid Management Area Team Leaders will be directly contacting growers in the treatment area to make sure they are informed of the coordinated treatment. Please contact Judy with any questions or concerns.

[San Luis Obispo County - Cressida Silver](#)

A second adult ACP was trapped near the previous find in southern county. Visual and tap surveys found no additional ACP in the block. The grower has treated. There is no residential citrus nearby. This ranch has had multiple, periodic single adult trap finds over the years with no subsequent detections of ACP nymphs or eggs in the grove. They also regularly treat pre-harvest for bulk citrus movement. CDFA is investigating the possibility of recurring introductions from harvest bins or from nearby residential areas.

[Santa Barbara County - Cressida Silver](#)

The Fall Area Wide Management treatment window is September 5 to 25. Growers and affiliates have been notified via monthly email updates. Cressida is working with the county to update grower information. Several Goleta area growers have taken advantage of the grant-funded ACP canine services recently to look for hot spots on their ranches. Some are also interested in ways to leverage the canines to increase ACP and HLB awareness in nearby residential areas.

[Ventura County - Sandra Zwaal and Cressida Silver](#)

The first Fall ACP area wide treatments are underway in Ventura County. Sandra and Cressida have distributed treatment reminders and their follow-up for orchards not treated will begin in August. They also continue to make updates to the grower contact list and citrus layer with updates taking longer than usual due to the high number of property sales, including commercial citrus properties.

The ACP/HLB Task Force met this month and is anticipating the annual ACP/HLB Citrus Grower Workshop to occur mid to late August.

[San Bernardino County – Sandra Zwaal](#)

The summer ACP area wide treatment is ongoing through mid-August. In addition to the monthly Grower Liaison ACP/HLB updates distributed to growers and affiliates, and at the request of the ACP Task Force, Sandra Zwaal will also provide ACP/HLB updates during the monthly San Bernardino Farm Bureau meetings with the meetings open to all citrus growers and citrus affiliates. San Bernardino county grove and grower data continues to be updated by Sandra.

[Riverside County – Tom Mullen](#)

Tom reports that ACP area-wide treatment schedules for Riverside County pest districts are being finalized and firm dates will be announced in the next couple weeks. Notifications to growers within those districts will be sent. He will actively encourage all growers to participate

in continued coordinated treatments within Pest Districts as well as attempting to coordinate a majority of growers outside of aforementioned Districts to coordinate ACP treatments as appropriate.

There are no Sweet Orange Scab Incident Team updates for July.

Lastly the District will continue our intensive tree removal program of citrus trees that are in close proximity to commercial groves and are difficult and costly to treat. There have not been any new HLB positive trees detected this month. To date the District has removed 3,589 citrus trees at 49 different locations.

Imperial County – Curtis Pate

Curtis reports No new trap finds in Imperial County.

There was no ICCPCD meeting in July. On August 25th he expects the upcoming Area-wide Treatment for fall flush to start mid-September and run through mid-October to be verified by the PCD board.

Lemon harvest will likely start in early September.

San Diego County – Sandra Zwaal

The fall ACP area wide treatment schedule for commercial citrus outside the pest control district begins mid-August to early September. Grower liaison, Sandra, is in the process of organizing a Grower Workshop anticipated to occur in August. Sandra also continues to update grove information and contacts.

Neglected/Abandoned Groves

No changes reported by the CACs. The GLs continue to work with the growers and CAC staff to address any suspected abandoned groves.

	BOS Sup (Y/N)	Co Coun Sup (Y/N)	#Groves Report'd	#Groves Confrmd N/A	Total Acs (100 trees/ac) Confrmd	#owners contact'd	#1st Letrs	#2nd Letrs	#3rd Letrs	#Heard	Hears won	#Hears lost	Groves Remvd	Total Acs Remvd	#Groves Rem'd	Acs Rem'd	#Groves Pndg	Total Acs Pndg			
Fresno																					
Kern	Y	Y	3	1	60.36	1												1	60.36		
Madera																					
SLO	Y	Y																			
Tulare	Y	Y	88	88	1148	88	44				1	1	0	66	908	9	79	13	161		
Subtotal			91	89	1208.36	89	44				1	1	0	66	908	9	79	14	221.36		
Imperial	Y	Y	1	1	6	1								1	6						
LA																					
OC																					
Coachella			48	48	34.12	48								48	34.12					Coachella is a PCD in Riverside	
Riverside	Y	Y	92		264.81	43	43	43	11					22				35			
San Brdo																					
SD	Y	Y	108	61	1693	61	39	28	24					37	774		71	919			
Sta Barb																					
Ventura	Y	Y																			
Subotal			108	110	1997.93	153	82	71	35	0	0	0	108	814.1	0	71	954	0			
Total			340	199	3206.29	242	126	71	35	1	1	0	174	1722	9	150	968	221.36			



ACP CANINE DETECTION UPDATE

CPDPC FULL COMMITTEE MEETING

August 11, 2021

WHERE MAN'S BEST FRIEND FINDS IT!

PEST CONTROL – AGRICULTURE – FOOD SAFETY

USDA APHIS PPQ CANINE GROUP COOPERATIVE AGREEMENT

APRIL 1, 2021 - MARCH 31, 2021

- Primary purpose of this agreement is to provide support for the ACP Detector Canine Program in California during the transition from research to commercialization.
- A secondary purpose is to determine through formal experiments if detector canines can be used to detect psyllid feeding in citrus greenhouses after breaches.
- Program Managers from APHIS are Greg Parra and Don Seaver.
- The canine performance and health data will be overseen by the USDA National Detector Dog Training Center.



ANNOUNCING FREE INSPECTION SERVICES TO GROWERS

- Emails announcing availability of canines for inspections have been distributed by pest control district managers and grower liaisons in Kern, Tulare, Fresno, Imperial, San Diego, San Bernardino, Santa Barbara, San Luis Obispo and Ventura Counties.
- A grower in Goleta and Nipomo contacted other growers in their area and provided a list of those requesting services.
- One PCA asked their client and scheduled K9 inspection as the intermediary.
- Starting to attend pest control districts meetings.
- Invited speaker at Grower Meeting in Ventura Aug. 25.

SERVICES PROVIDED- JULY 2021

Monday	Tuesday	Wednesday	Thursday	Friday
			1	2
			Training	
5	6	7	8	9
	Training		San Marcos- SB County with CDFA staff during risk survey 10 residential	SD County-invitations from SD PCD & GL emails 2 residential 1 commercial
12	13	14	15	16
Goleta, SB County with CDFA in buffer zone 12 residential	Goleta, SB County with CDFA in buffer zone 22 residential		Goleta, SB County invitations from email 3 growers, 4 ranches	
19	20	21	22	23
		Goleta, SB County same 3 growers, 4 ranches		
26	27	28	29	30
	Nipomo, SLO County 2 growers, 2 ranches		Goleta, SB County working/training in commercial w/ live TA	Nipomo, SLO County 1 grower, 1 ranch

KEY:

Working with live ACP training aid or naturally occurring ACP populations

Working with ACP pseudo scent

KEY FINDINGS

RESIDENTIAL WITH CDFA

- Goleta in buffer zone
 - K9 located one nymph found in a backyard tree. This opened an opportunity for CDFA and Ag Commissioner Deputy to have a conversation with resident who they discovered had refused pesticide treatment last year.
 - After 20 minutes of 3 people visually inspecting a 4 ft tree the K9 had alerted on, CDFA staff decided to tap test. On her last tap before giving up, one adult appeared on her board.
- San Marcos during risk survey
 - Dogs were run before staff started inspecting. ACP were easy to locate in most of the 10 residences without the dogs. However, the dogs were able to identify quickly which trees had ACP when there were many. The extra eyes of three canine detection staff helped CDFA staff collect ACP more quickly. K9s would be more useful accompanying staff where ACP are more difficult to find.

KEY FINDINGS

COMMERCIAL GROVES SAN DIEGO COUNTY

- One ranch inspected
 - A grower requested an inspection because they didn't know for sure if they had ACP. They did not participate in the area wide treatment last year because they didn't think they had ACP and were concerned about the beneficials.
 - K9s located ACP throughout the grove and grower learned how to scout and identify eggs, nymphs and adults.
 - Grower says they will now treat aggressively for ACP and was put in contact with the grower liaison.
 - Grower informed neighboring growers about the findings and provided Canine Detection Services number.

KEY FINDINGS

COMMERCIAL GROVES SANTA BARBARA

- Four ranches were inspected
 - Two ranches were found to have ACP breeding populations and a detailed report was provided.
 - Growers report this information was very helpful and will assist them in managing the pest.
 - They learned how to visually identify ACP.
 - Growers provided with information on how to send ACP samples for testing.
 - The dogs were not able to find ACP on two ranches.
 - Growers were relieved.
 - Growers were informed that the dogs are not perfect and were provided the following information from our research:
 - Sensitivity rate is 92% which means an 8% chance of missing live ACP.
 - Specificity rate is 96% which means there is a 4% chance of a false alert.
 - Explained that error rate could be higher than in the controlled experiments.

SERVICES PROVIDED- AUGUST 2021

Monday	Tuesday	Wednesday	Thursday	Friday
1	2	3	5	6
Team 1- Travel to Kern Team 2 & 3- Vehicle down for Maintenance	All Teams- Kern Commercial Grove, Organized by independent PCA	All Teams- Kern Commercial Grove, Organized by independent PCA	All Teams- Kern Commercial Grove, Organized by an independent PCA	Team 1- Return travel to El Centro Team 2 & 3 – Veterinary care in Fresno County
9	10	11	12	13
TEAM 1- Imperial County Ag Dept, Border Survey TEAM 2 & 3- Goleta, SB County working/ training in commercial w/ live TA	TEAM 1- Imperial County Ag Dept, Border Survey TEAM 2 & 3- Goleta, SB County working/ training in commercial w/ live TA	TEAM 1- San Diego Border Survey, CDFA TEAM 2 & 3- Kern County, Commercial Groves	TEAM 1- San Diego Border Survey, CDFA TEAM 2 & 3- Kern County, Commercial Groves	TEAM 1- Not Yet Scheduled TEAM 2 & 3- Kern County, Commercial Groves
16	17	18	19	20
NOT YET SCHEDULED				
23	24	25	26	27
NOT YET SCHEDULED				
30	31			
NOT YET SCHEDULED				

KEY:

Working with
live ACP
training aid
or naturally
occurring
ACP
populations

Working with
ACP pseudo
scent training
aid

Future Project Funding

Current APHIS grant completed March 31, 2022

- Canine Detection Services applied for the 2021 Specialty Crop Block Grant Program H.R. 133 Stimulus Funding.
 - September 2021 - Proposal Selection
 - November 2021 - Proposals Submitted to USDA
 - January 2022 - Awarded
 - April 2022 - Proposed project start date
- Possibly a new RFP from CDFA?



CPDPP OUTREACH REPORT

August 11, 2021

WELCOME DYLAN LOMANTO



Government Relations and Public Affairs Specialist

San Diego County HLB Detection

SAN DIEGO COUNTY HLB DETECTION

Two HLB+ trees confirmed by CDFA and USDA in Oceanside, San Diego County

Homeowner Outreach

- Press release distribution and media outreach around San Diego County's first HLB detection in coordination with the San Diego County Agricultural Commissioner's office

Industry Outreach

- Media outreach to key industry publication contacts
- Citrus Insider statewide eblast

AGRICULTURE

Citrus Disease Detection in San Diego County Prompts Quarantine

SAN DIEGO'S MORE LOCAL NEWS STATION
A BROADCASTING COMPANY

First cases of citrus tree-killing disease HLB found in San Diego County

8 CBS8

Citrus disease detection in San Diego County prompts quarantine

The bacterial disease, known as Huanglongbing or "citrus greening," was detected in two citrus trees on a residential property in Oceanside.

The San Diego Union-Tribune



ON **QuesadaNews.com**
Your Local News in North County

Detection of Citrus Disease, Huanglongbing, in Oceanside -- New Quarantine Area Established

kpbs

First Cases Of Citrus Tree-Killing Disease HLB Found In San Diego County

Thursday, August 5, 2021
By City News Service

CITRUS PEST & DISEASE PREVENTION PROGRAM

CITRUS INSIDER

[MAPS](#) [PSYLLID & DISEASE CONTROL](#) [CALENDAR](#) [NEWS](#) [BLOG](#) [RESOURCES](#) [ABOUT](#)

August 5, 2021

Detection of Citrus Disease, Huanglongbing, Triggers Quarantine Expansion in San Diego County; First HLB Detection in County

Statewide

The California Department of Food and Agriculture (CDFA) has declared a quarantine in north San Diego County following the detection of the citrus disease Huanglongbing (HLB), or citrus greening, in two citrus trees on one residential property in the City of Oceanside. These detections are the first HLB-positive trees in San Diego County. CDFA is working with the United States Department of Agriculture and the San Diego County Agricultural Commissioner on this cooperative project.

CITRUS PEST & DISEASE PREVENTION PROGRAM

Homeowner Outreach Activities



DON'T MOVE CITRUS OUTREACH CAMPAIGN

Media Outreach

- 38+ earned print, online and radio stories secured in English and Spanish
- 107 pickups via Newswire press release distribution



Advertising

- 452 radio ad spots in English and Spanish in Imperial, Santa Barbara and Fresno counties
- 3 billboards placed in Ventura, San Bernardino and Riverside counties
- Streaming advertising in Los Angeles, Riverside, San Bernardino and Orange counties
- English and Spanish Facebook ads

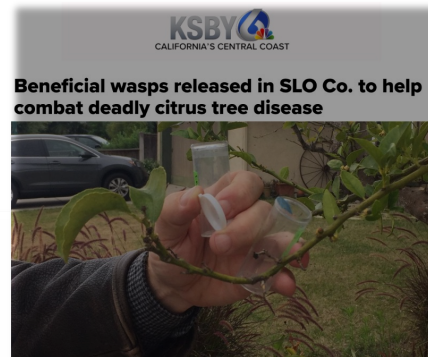
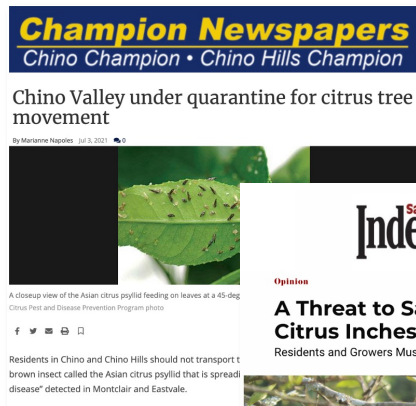


127 Million +
campaign touch
points

CONNECTING WITH HOMEOWNER AUDIENCES

Ongoing Media Outreach

- Secured interview in San Luis Obispo County regarding *Tamarixia* releases
- Op-Ed in Santa Barbara Independent
- Chino Hills HLB detection



Digital & Social

- Targeted Facebook ads in urging homeowners to coordinate with ag officials and to inspect their trees



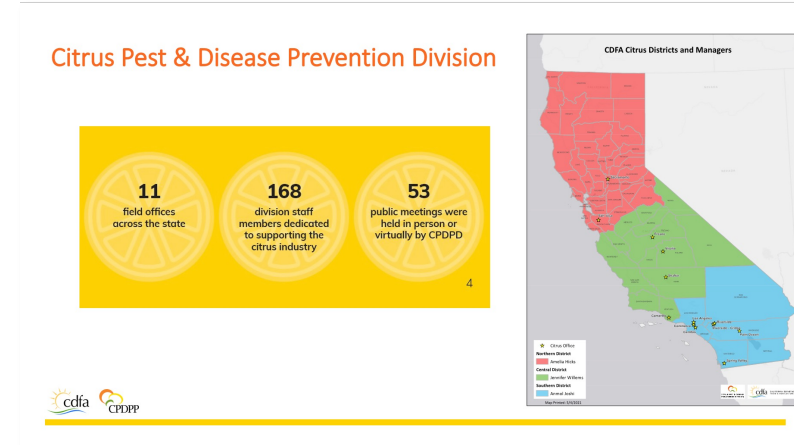
Industry Outreach Activities



VIRTUAL PACKINGHOUSE MEETINGS

CPDPP hosted virtual meetings for packinghouses across major citrus growing regions, including:

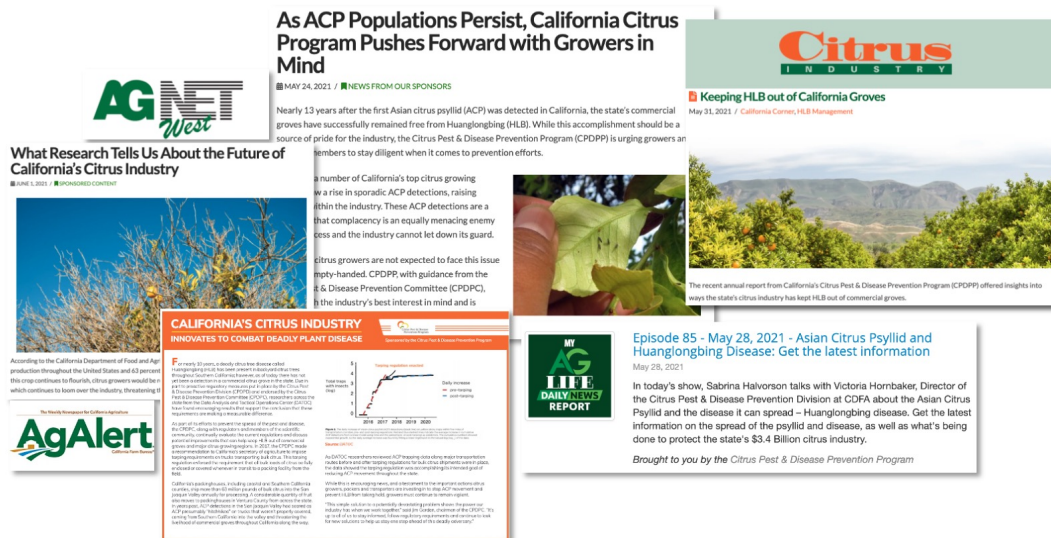
- San Joaquin Valley
- Southern California
- Ventura/Central Coast
- 139 attendees RSVP'd in total



CONNECTING WITH INDUSTRY AUDIENCES

Program Promotion Campaign

- Targeted industry publications to promote maintaining best practices
 - Five contributed articles
 - Podcast interview
 - Digital advertising



Resources to Industry Members

- CitrusInsider.org
- Direct mailers
- Roadside banners



CITRUS INSIDER

May 13, 2021

Keep Going, California! A Message from A Florida Grower

Statewide

California has recently surpassed 2,300 residential trees to have been infected with Huanglongbing (HLB), and as the number continues to rise so does the worry of many industry members. While HLB has not yet been detected in a commercial grove in California, slowing the spread of this deadly disease relies on the willingness of homeowners and citrus industry members alike to proactively and collectively implement as many measures possible to limit populations of the Asian citrus psyllid (ACP).

CITRUS INDUSTRY MUST WORK TOGETHER!

- INSPECT TREES FOR ASIAN CITRUS PSYLLIDS.
- DON'T TRANSPORT LEAVES AND STEMS.
- FULLY COVER ALL TRANSPORT TRUCKS.
- COORDINATE TREATMENTS WITH NEIGHBORS.



Citrus Pest & Disease Prevention Program
CitrusInsider.org

Elected Official Outreach Activities

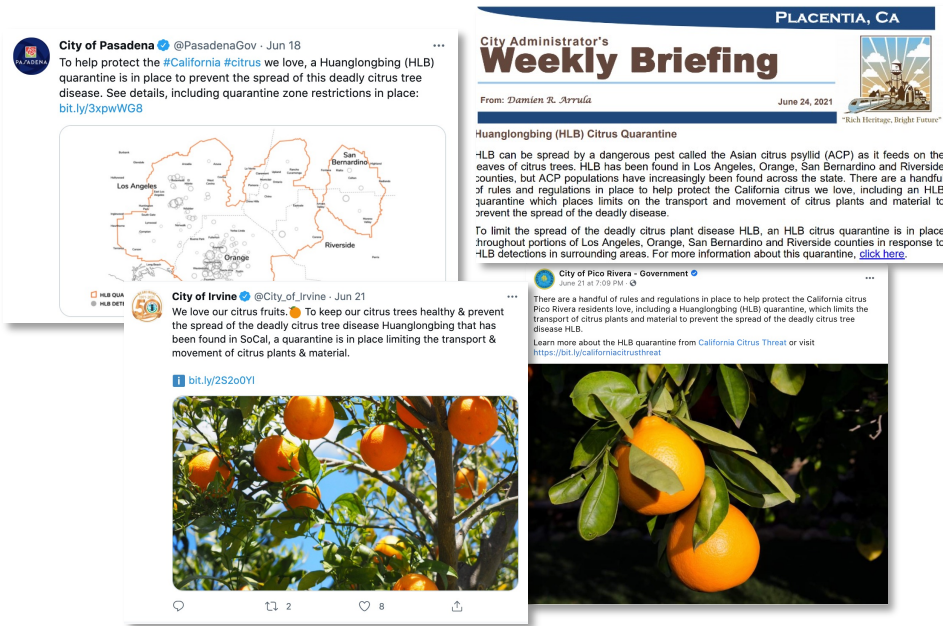
CONNECTING WITH ELECTED OFFICIALS

Elected Official Content Distribution

- Focus on cities within HLB quarantine area
- Shared 30+ times via social media channels and newsletter distributions

County Agricultural Commissioner Meetings

- Reconnecting with county agricultural commissioners (CACs) across the state to identify additional outreach opportunities and areas for future collaboration
- Focus on building strong relationships with CACs in the HLB quarantine area, surrounding regions and in areas with a large citrus industry presence



Upcoming Activities



UPCOMING ACTIVITIES

- Citrograph Magazine
- Dedicated webpage on CaliforniaCitrusThreat.org regarding HLB quarantine zone
- Retail nursery education
 - Exploring opportunities with Plant California Alliance's CCN Pro program
 - Tree tags with CPDPD
- Exploring digital train-the-trainer workshops
- California League of Cities Conference
- Crop Consultant Conference