CONSENT AGENDA 1. Minutes approval from May 8, 2024 meeting

CALIFORNIA CITRUS PEST AND DISEASE PREVENTION COMMITTEE MEETING

Meeting Minutes Wednesday, May 8, 2024

Committee Members Present:

Kevin Ball*John C. GlessEtienne Rabe*Franco BernardiJim GordenRod RadtkeBrad CarmenMark McBroomRoger SmithAaron Dillon*Kurt MethenyKeith Watkins

Bob Felts Jr.

Committee Members Absent:

Craig Armstong Jared Plumlee

California Department of Food and Agriculture (CDFA) Staff:

Ravneet Behla*	Stephanie Jacobs*	Deborah Nardo*
Fernando Berber	Anmol Joshi*	Raymond Niem*
Whitney Cotton*	Sarah Kraft*	Keith Okasaki*
Kiana Dao*	Luci Kumagai*	Michael Soltero*
Traci Mae Ducusin*	Kahleen Loo*	ThuyVy Truong*
Paul Figueroa*	Jody Lusby*	Fabian Velasco*
David Gutierrez	Jana Miscevic*	Nilan Watmore
Victoria Hornbaker	David Morgan	Jennifer Willems*

Guests:

Price Adams Jessica Leslie Jacob Villagomez* Rob Clark* Helene Wright* Weiqi Luo* Qijun Xiang* Casey Creamer Marcy Martin Natalie DeAngelo Ivan Milosavljevic Judy Zaninovich Sandra Zwaal* Peter Gomez* Margaret O'Neill* Melinda Klein Abby Peltzer*

Opening Comments

Keith Watkins called the Citrus Pest and Disease Prevention Committee (CPDPC) meeting to order at 9:01 a.m. Keith Watkins welcomed the committee, staff, and

^{*}Attended the meeting virtually.

members of the public participating in person and online. There was a quorum for the meeting.

Public Comments

No public comments

APPROVAL OF CONSENT AGENDA ITEMS

The consent agenda contained the following items:

1. Minutes from the February 21, 2024 Committee meeting.

Motion: To approving the minutes on the Consent Agenda with a correction to page 7 (Bob Felts Jr. not Mark McBroom made the nomination to elect Mark McBroom as the Secretary/Treasurer) and tabling the approval of the Memorandum of Understanding with the Applied Pest Control Districts until the August meeting.

First: Jim Gorden Second: Kurt Metheny

Motion Carries: The motion passed unanimously.

EXECUTIVE COMMITTEE REPORT

Committee By-Laws (Quorum and Voting)

Keith Watkins suggested changing the language of the Committee By-Laws to define a quorum as a 50 percent plus one majority of existing Committee members.

Motion: To revise the Committee By-Laws to make a quorum a 50 percent plus one

majority of existing members.

First: Mark McBroom Second: John C. Gless

Motion Carries: The motion passed unanimously.

Fruit Fly Update

Victoria Hornbaker reported that the last oriental fruit fly (OFF) detection was on March 25, 2024, in the city of Redlands, San Bernardino County. Detection operations and quarantine of OFF found in Santa Clara County are scheduled to end on May 17, 2024, in Sacramento County is scheduled to end on June 4, 2024, in Contra Costa County is scheduled to end on July 10, 2024, and in San Bernardino and Riverside Counties are scheduled to end on August 13, 2024. These dates are subject to change if new detections are found. The quarantine established in Redlands, Riverside County, will likely end sooner than expected, due to having less detections. Detection operations and quarantine for tau fly found in Los Angeles County are scheduled to end on June 24, 2024. Detection operations and quarantine for medfly found in Los Angeles County are scheduled to end on July 13, 2024. Detection operations and quarantine for Queensland fruit fly found in Ventura County are scheduled to end on July 25, 2024.

Committee Vacancies

Keith Watkins reported that he is working with the Subcommittee Chairs to adjust the subcommittees and will be sending out finalized rosters. There were two candidates for the vacant Kern County committee seat. Ballots and candidate resumes were distributed to the Committee Members to vote.

Motion: To approve Ram Uckoo's candidacy for the vacant Kern County seat on the

CPDPC.

First: Kevin Ball Second: Jim Gorden

Motion Carries: The motion passed unanimously.

FINANCE SUBCOMMITTEE REPORT

Review 2023/2024 Budget Expenditures and Revenue

Bob Felts Jr. reported that expenditures in December 2023 were corrected to \$2,691,645, expenditures in January 2024 were \$2,515,312, expenditures in February 2024 were \$3,537,483, and expenditures in March 2024 were \$4,043,714, bringing the year-to-date expenditures to a total of \$26,153,571. Expenditures to date for the Huanglongbing (HLB) E-Fund for detection in Ventura County were \$246,508 with \$1,380,727 remaining balance. Expenditures to date to the Citrus Yellow Vein Clearing Virus (CYVCV) Federal Fund for detections in Los Angeles County were \$46,404 with \$203,596 remaining balance.

Bob reported that revenue received to date for the months of October 2023 through March 2024 increased by \$1,477,540 to a total of \$7,186,741. The Clean Citrus Nursery Stock Program has a current net balance of \$251,199 after receiving \$23,702 in revenue, expending \$56,409, and receiving reimbursements of \$28,870 during the months of July 2023 to March 2024.

Review and Approve 2024/2025 Budget

Bob reported that the proposed budget for the 2024/2025 Fiscal Year (FY) is nearly identical to the budget of the previous year, with only an increase of \$132,000. Victoria explained that treatment contractors have significantly increased their costs, resulting in CDFA staff utilizing 6 fitted treatment trucks to perform treatment activities in the Central District and HLB treatment. The costs for these line items are currently being offset by an E-Fund received from CDFA with a proposal drafted to request an extension of \$1,422,121 for 2025. There will also be a proposal presented in August to drastically reduce winter trapping in many of the Northern counties as well as other efforts to increase efficiency.

Motion: To approve the Fiscal Year 2024-2025 proposed budget in the amount of

\$41,577,100. **First:** Bob Felts Jr.

Second: Mark McBroom

Motion Carries: The motion passed with 10 yays (Kevin Ball, Franco Bernardi, Brad Carmen, Aaron Dillon, Bob Felts, Jr., Jim Gorden, Mark McBroom, Kurt Metheny, Rod Radtke, Roger Smith and Keith Watkins), 1 nay (John C Gless) and 1 abstention (Etienne Rabe).

Review Fund Condition Statement

Bob reported that the carry in for the fund condition continues to decrease, but that multiple disencumberances are projected to occur between now and the start of the 2024/2025 FY. Carl Baum reported that approximately \$7,000,000 has been disencumbered with \$11,200,000 still encumbered and more disencumberances pending. Carl also reported that approximately \$2,200,000 in credits will be processed by June 30, 2024.

Assessment Rate Discussion

Victoria reported that the United States Department of Agriculture (USDA) National Agricultural Statistics Service (NASS) crop projection report is expected in September 2024. The Committee suggested waiting until August or September to review the assessment rate after receiving more updated crop projections.

OPERATIONS SUBCOMMITTEE REPORT Laboratory Update

Lucita Kumagai presented the laboratory update for the huanglongbing testing program from the Plant Pest Diagnostics Center. She reported that as of January 2024, the lab received an average of 5,674 plant samples per month and received an average of 200 Asian citrus psyllid (ACP) samples per month for a combined total of 23,404 total samples received in 2024. While the number of HLB samples is comparable to the previous year's totals, there is an observable reduction in ACP sampling. As of April 26, 2024, there were 5,036 total reported HLB positive sites, 7,729 total detected HLB positive trees, and 795 total detected *Candidatus* Liberibacter asiaticus (*C*Las) positive ACP samples. Seventy percent of HLB positive trees were detected in Orange County.

HLB Risk-based Survey

Nilan Watmore presented data for 2023 Risk Survey Cycle 2 using a new online dashboard that is updated weekly. Cycle 2 2023 began in August 2023 and is 76 percent complete with 19 of the 34 allocated counties completed. Approximately 10,800 properties were visited, generating 1,300 entomology and 2,700 plant samples.

CDFA Operational Update

David Gutierrez presented the operational update including ACP and HLB delimitation survey and treatment areas for the Southern, Central, and Northern Districts.

Southern District

To date in 2024, a total of 582 HLB positive trees have been detected in Southern California with the majority of detections found in Orange County. Additionally, 18 total

trees were detected in Valley Center, San Diego County, including two additional trees detected in March 2024. Both infected trees were removed. The grower liaison is working with the owners of all 25+ properties to conduct treatments. Delimitation survey and treatment of the original 250-meter detection area was completed with six plant samples still pending results. Six public meetings were held to conduct delimitation survey in different areas of Los Angeles, Orange, Riverside, San Bernardino, and San Diego Counties. A total of 503 trees were removed during the months of February 2024 through April 2024 with 265 cumulative trees still pending removal.

Central District

Since January 31, 2024, there have been no new detections. *Tamarixia radiata* releases were conducted in Ventura County near the recent detections. Multi-pest survey, citrus commodity survey, grove trapping activities are ongoing. There have been no new HLB positive trees detected in Santa Paula since February 9, 2024. Warrant applications for refusal properties were sent to the Department of Justice on April 26, 2024.

Northern District

Trapping is ongoing in Placer, San Joaquin, and Stanislaus Counties with the recommendation to optimize winter trapping activities in 15 counties being finalized. In Santa Clara County, there are currently 980 delimitation traps still deployed as well as 6 new ACP detections since the last CPDPC meeting on February 21, 2024. There have been no new treatments in Santa Clara County since 2022. CDFA staff completed visual hot spot survey in preparation for treatment in May. *Tamarixia* releases are ongoing in San Jose, Santa Clara County, with an average of 6,000 insects released per month. Risk Survey 2023 Cycle 2 scheduled to be completed end of May or June.

CDFA Regulatory and County Agreement Update

Keith Okasaki presented the regulatory county monthly activity report for October 2023 through February 2024. Keith reported violations have been issued for lack of or improper mitigations and the counties conducting appropriate follow up and tracebacks with growers. Roadside vendors and haulers continue to be an issue and CDFA is working with counties to follow up with appropriate enforcement. There is more emphasis placed on inspecting fruit sellers and market vendors in 2024, which are a higher risk pathway of spreading pests and diseases

Residential Nursery Update

Keith Okasaki presented a map of residential nursery locations within Los Angeles and Orange Counties. Keith reported that since April of last year, CDFA regulatory staff have identified 11 backyard or retail nurseries in the Los Angeles and Orange Counties with containerized citrus for sale. A new CDFA Regulatory staff member has been hired for San Bernardino and Riverside Counties to enforce quarantine requirements. Of the residential nurseries identified within the last 12 months, two of them were propagating their own citrus. CDFA has held and destroyed close to 950 citrus trees. One location had almost 400 trees destroyed, including plants imported from Florida. Throughout the process, CDFA is working closely with the local county agricultural commissioners so

county staff may document inspections and follow-up with monetary penalties when appropriate.

Biocontrol Update

Dr. David Morgan presented the ACP biocontrol update for April 2024. Staff released 30,044,097 total insects from 2011 through April 2024 with 645,800 insects released so far in 2024. The majority of releases occurred in HLB detection areas, along the Unted States/Mexico border, on citrus movement corridors, and in new ACP detection areas to include San Diego and Santa Clara Counties. Biocontrol staff have also conducted outreach to gardeners, farmers, and the Riverside-Corona Resource Conservation District. Biocontrol staff also participated in the Riverside Insect Fair on April 20, 2024.

Santa Clara Hotspot Analysis

Dr. Ravneet Behla presented on the hot spot analysis of ACP detections in Santa Clara County. Spot treatments for a maximum of 180 properties at a budget of approximately \$7,000 at the find sites to suppress the ACP population was approved by the CPDPC in February 2024. Visual survey for the 140 properties were completed and spot treatment will occur in May or June 2024.

SCIENCE SUBCOMMITTEE REPORT Ethyl Formate Registration

Dr. Etienne Rabe reported that Jim Cranney stated that the California Department of Pesticide Regulation (DPR) is still reviewing information regarding the registration of ethyl formate.

International Research Conference on HLB

Victoria Hornbaker stated that she is compiling a list of top the 10 research projects discussed at the conference to collaborate with the Citrus Research Board (CRB). Some committee members expressed their disappointment with the conference and the lack of progress given its funding while other committee members felt it was informational and well organized.

Additional Items

Dr. Etienne Rabe provided an update on the April Science Subcommittee stating what Dr. Weiqi Luo's past analysis might imply for the citrus program and how to spend future funding. Dr. Rabe stated that California is losing the battle in Orange and Los Angeles Counties. Victoria stated that in conducting the multi-pest survey, staff look for both asymptotic and symptomatic hosts in a delimitation area, and that program implemented the committee's recommendation to move from 250m to the leading edges of the ag/urban interface. Victoria also stated that to conduct treatment, there must be a triggering event. Additionally, quad sampling is conducted, and efficiencies are seen in the root and peduncle sampling which offers the most reliable detection instead of sampling asymptomatic leaves.

OUTREACH SUBCOMITTEE REPORT

Natalie DeAngelo presented recent and upcoming outreach activities. For Invasive Plant and Disease Awareness Month, Nuffer Smith Tucker (NST) distributed a press release resulting in 137 online postings and a potential audience reach of over 876,000. Website users to CaliforniaCitrusThreat.org increased by sixteen percent. NST also developed social media content and conducted outreach to elected officials to share content that could be shared on their platforms. Distributed emails had a nineteen percent open rate. For residential outreach, NST conducted ongoing local media coordination with audio news release development regarding spring gardening best practices in English and Spanish. NST also helped with public event coordination for the University of California Agriculture and Natural Resources (UCANR), conducted outreach to California Rare Fruit Grower chapters, including facilitating presentation on the Santa Cruz Chapter Expert Panel. To reach residents at home, door hangers and social media ads have been distributed to Orange County residents. For industry outreach, NST is conducting website updates to Citrus Insider, developing a "Other Invasive Pests and Diseases" webpage to share resources and information on pests like invasive fruit fly, sweet orange scab, CYVCV, citrus canker and more. Four Citrus Insider E-blasts were distributed, including updates to ACP and HLB Bulk Citrus Movement Requirements, and updates to the ACP-Free Declaration Form. Materials for outreach to nurseries, includes developing a Q&A document to assist in any reactive inquiries regarding HLB guarantine restrictions for nurseries. NST is also continuing to update and refresh industry resources and developing flyers regarding safeguarding citrus and proper tarping techniques. The NST team is also exploring opportunities to conduct training workshops with field crew supervisors in English and Spanish with materials focused on ACP scouting and best practices. There is also CAPCA annual conference panel participation in October. For elected official outreach, NST distributed a "Guide for Donating Backyard Citrus and Fresh Produce" email blast with sharable content and social media posts, receiving a 21 percent open rate. NST also operated a booth at the Southern California Association of Governments conference from May 2-3, and will be operating a booth at the upcoming California Contract Cities Association Municipal Seminar from May 16-19, 2024. Keith Okasaki reported that CDFA staff has a meeting set up for next week with NST and UCANR and master gardeners who have reached out to help spread the word and assist with the CPDPP.

USDA Report

Helene Wright reported the Federal Order regulating sweet orange scab host commodities was updated in April. The recently revised Federal Order removed the restriction on overhead irrigation of nursery stock, the requirement for an approved structure to have a solid roof or barrier, and the requirement for regulated fruit must be treated with specific, approved post-harvest fungicide. USDA continues to conduct nursery inspections and issue certificates for interstate shipments of ACP-host nursery stock. In the Oriental fruit fly quarantine in San Bernardino and Riverside Counties, USDA issued certificates for the shipment of 21,000,000 pounds of commodities, mostly consisting of citrus fruit.

California Citrus Mutual (CCM) Report

Casey Creamer reported that CCM is working with Florida and Texas on maintaining the \$25,000,000 annual funding from the Farm Bill. CCM also met with the Chairman of the House Act Committee and discussed continuation of the Citrus Trust Fund. Last week, the United States House of Representatives and United States Senate released their framework for the next Farm Bill. It is difficult to project any baseline projection for citrus funding, but both the House and Senate have prioritized the \$25,000,000 in annual funding for citrus, but they have each presented different proposals for how they would be allocating those funds. Considering all factors and challenges, Casey feels optimistic about obtaining resources to further the California citrus industry.

Citrus Research Board (CRB) Report

Marcy Martin announced that following Rick Dunn's retirement, Nancy Ying will continue as the geographic information systems analyst for CRB and will perform citrus layer mapping. Dr. Melinda Klein reported that the Technical Review Team held a meeting to discuss a white paper's proposal of reintroducing nursery stock into a quarantine zone. Dr. Ivan Milosavljevic reported that the Imperial Pest Control District expressed interest in further supporting citrus research and have provided over 5,000 of acres for program use. CRB will be advising on what treatments they are looking for in application and are looking into diversifying treatments and expanding the number of sites. Ivan reported that Raju Pandey has been working with the field cages, which have been estimated to produce over 300,000 *Tamarixia* per year.

San Joaquin Valley Pest Control Districts (SJV PCD) Report

Dr. Subhas Hajeri reported that from March to April 2024 a total of 3,196 traps were deployed in 3,169 trapping locations in the Central Valley. He also stated that multi-pest inspections this spring consisted of 687 trees and collecting 40 samples for ACP, HLB, CYVCV, fruit flies, and other pests.

OTHER ITEMS, CLOSING COMMENTS AND ADJOURNMENT Program Environmental Impact Report (PEIR) Update

Victoria reported that CDFA will be working with the contractor and other departments to conduct an environmental risk assessment peer review.

Sweet Orange Scab (SOS) Update

Keith Okasaki reported that work is being done to amend the SOS compliance agreement to reflect the recent changes to the Federal Order mentioned by Helene Wright. Victoria reported that SOS samples were also sent to Dr. Adaskaveg at University of California Riverside and discussions regarding primers and testing methods continue between Dr. Adaskaveg, CDFA, and USDA.

CYVCV Update

Victoria Hornbaker reported that the CYVCV survey in Los Angeles County found only one detection at the original HLB find site. Delimitation survey is ongoing in Tulare and Visalia at a three-mile arc.

Continuing Education Unit Update

David Gutierrez reported that it is getting very difficult to get continuing education credits approved by DPR. Topics must now be specific to pesticide use and that DPR will scrutinize all proposed topics. David will continue to work with DPR.

The meeting was adjourned at 12:37 p.m. The next meeting will be on August 20, 2024 in Santa Clarita, California.

2. Approval of 2024-2025 Committee and Subcommittee Calendars

The attached Committee and Subcommittee calendars (Attachment 2a and 2b) have been reviewed and vetted by California Citrus Mutual, Citrus Research Board, California Citrus Quality Council, Sunkist and the Citrus Pest and Disease Prevention Committee.

3. Approval of CDFA/CCTEA Memorandum of Understanding

The attached Memorandum of Understanding (MOU) (Attachment 3) is entered into by virtue of California Food and Agricultural Code Section 5930 which provides authority for the Committee, in consultation with the California Department of Food and Agriculture, to enter into an MOU with citrus pest control districts responsible for funding citrus tristeza virus prevention activities. This MOU is renewed annually.

4. CPDPC Member Term Renewal

The following Committee Members terms (Attachment 4) are due to expire on September 30, 2024.

Craig Armstrong Aaron Dillon Bob Felts Jr. Dr. Etienne Rabe

Dr. Etienne Rabe and Aaron Dillon have agreed to serve an additional term. Their new term will expire on September 30, 2028.

Bob Felts Jr, and Craig Armstrong will not serve an additional term.



Committee Meeting Calendar

August 2024 – November 2025

Date		Location								
August 20, 2024				Santa Clarita						
November 13, 2024	Ventura									
February 26, 2025		Visalia								
May 14, 2025			Riverside/ San Bernardino							
August 13, 2025	Ventura									
November 19, 2025		Visalia								



Subcommittee Meeting Calendar

August 2024 – November 2025

	1		1	
Finance 9:00 a.m10:00 a.m.	Executive 10:00 a.m11:00 a.m.	Operations 9:00 a.m12:00 p.m.	Outreach 1:30 p.m3:30 p.m.	Science TBD
	September 25, 2024			
October 8, 2024		October 16, 2024	October 15, 2024	
November 12, 2024				
	December 11, 2024			
January 7, 2025		January 22, 2025	January 15, 2025	
	March 26, 2025			
April 8, 2025		April 9, 2025	April 16, 2025	
	June 25, 2025			
July 7, 2025		July 9, 2025	July 16, 2025	
	September 24, 2025			
October 7, 2025		October 8, 2025	October 15, 2025	
November 10, 2025				

MEMORANDUM OF UNDERSTANDING

Between the California Citrus Pest and Disease Prevention Committee (Committee) and the Alliance of Pest Control Districts (APCD) formerly known as the Central California Tristeza Eradication Agency (by and for the Southern Tulare County Citrus Pest Control District, the Tulare County 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 APCD for the purpose of funding the implementation of the citrus multi-pest survey effective plan.

ARTICLE 2 – AUTHORITIES

The California Food and Agricultural Code (FAC) Section 5930 requires 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 multiple citrus pests' prevention activities. The APCD is created by a Joint Powers Agreement (JPA), (Exhibit A) by and between the Southern Tulare County Citrus Pest Control District, the Tulare County Pest Control District, the Central Valley Pest Control District, and the Kern County Citrus Pest Control District (Districts). The JPA, the Districts, and the Committee, pursuant to FAC sections 5911(b) and 8511 (f), have authority to combat citrus specific pests and diseases.

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 APCD 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.

The JPA, the Districts, and the Committee share the common mission of combating citrus specific pests and diseases.

ARTICLE 5 – COMMITTEE RESPONSIBILITIES

The Committee shall continue with its responsibilities regarding citrus pest prevention efforts, and periodically consult with the Technical Advisory Committee (TAC) of the APCD regarding it's operation of surveys for multiple citrus pests and diseases.

ARTICLE 6 – APCD RESPONSIBILITIES

On behalf of the Districts and pursuant to the JPA, the APCD shall carry out the Districts' and APCD's missions as more specifically set forth in the JPA and the APCD's plan for surveys of multiple citrus pests and diseases. The APCD programs, protocols, and implementation of the multi-pest survey effective plan, shall be as developed and approved by the TAC to the APCD, 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 APCD's operations 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 remain in force for two years from execution. 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	
David Gutierrez, Interim Director	Date
Citrus Pest and Disease Prevention Division	
Alliance of Pest Control Districts	
John N. Fisher IV, Chairman	Date
Board of Commissioners	

CPDPC Member Terms

Name	District	9/30/2024	9/30/2025	9/30/2026	9/30/2027	9/30/2028	9/30/2029
Armstrong	Southern	Х				Х	
McBroom	Southern		Х				Х
Metheny	Coastal				Х		
Ball	Coastal		Х				Х
Uckoo	Kern				Х		
Rabe	Kern	Х				Х	
Watkins	Kern		Х				Х
Gorden	Tulare			Х			
Carmen	Tulare				Х		
Felts	Tulare	Х				Х	
Smith	Tulare		Х				Х
Radtke	Northern			Х			
Plumlee	Northern				Х		
Vacant	Northern	Х				Х	
John C Gless	Nursery				Х		
Dillon	Nursery	Х				Х	
Bernardi	Public		Х				Х





FY 23-24 April 2024 Expenditures

	#	Group	Region	Activity	Committee Approved 2023- 24 Budget		emaining 2023-24 Budget	Ехр	oril 2024 enditures er FI\$Cal	Ехр	ar to Date enditures er FI\$Cal		or year FY22- 23 Year to date Expenditures	April 2024 Encumbrance Changes	Year to Date ncumbrances
	1 /	ACP Mgmt	Central	Survey	\$3,688,353	\$	1,373,165	\$	294,495	\$	2,315,187	\$	2,312,989	\$ (225,657)	\$ 438,483
	2 /	ACP Mgmt	Central	Treatment	\$1,881,438	\$	1,740,555	\$	12,901	\$	140,883	\$	1,098,927	\$ (1,354,849)	\$ 60,151
	3 /	ACP Mgmt	Northern	Survey	\$1,759,845	\$	513,056	\$	109,173	\$	1,246,789	\$	1,114,135	\$ (36,103)	\$ 678,908
	4	ACP Mgmt	Northern	Treatment	\$53,107	\$	46,549	\$	860	\$	6,558	\$	38,479	\$ (381,044)	\$ -
	5 /	ACP Mgmt	Statewide	Biocontrol	\$1,720,409	\$	355,287	\$	122,662	\$	1,365,122	\$	1,241,976	\$ (279,065)	\$ 428,435
	6	ACP Mgmt	Statewide	Survey	\$1,000,000	\$	(153,689)	\$	92,847	\$	1,153,689	\$	1,635,021	\$ (430,597)	\$ 2,425,547
	7 /	ACP Mgmt	Statewide	Regulatory	\$3,257,844	\$	1,231,607	\$	158,961	\$	2,026,237	\$	1,923,664	\$ (243,008)	\$ 1,572,416
	8	HLB Det	Southern	Survey	\$2,199,453	\$	(104,403)	\$	195,205	\$	2,303,855	\$	1,631,710	\$ (1,436)	\$ 2,725
	9	HLB Det	Statewide	Survey	\$5,887,471	\$	2,502,351	\$	357,662	\$	3,385,121	\$	3,814,939	\$ (1,104)	\$ 3,869
1	LO	HLB Det	Statewide	Diagnostics	\$3,556,269	\$	1,466,366	\$	152,065	\$	2,089,904	\$	2,313,163	\$ (491,192)	\$ 305,152
1	L1	HLB Erad	Southern	Treatment	\$6,179,634	\$	1,322,562	\$	558,988	\$	4,857,072	\$	5,958,989	\$ (1,176,109)	\$ 5,124,910
1	L2	HLB Erad	Statewide	Regulatory	\$770,273	\$	(276,053)	\$	546,716	\$	1,046,326	\$	599,369	\$ -	\$ 0
1	L3	ACP/HLB	Statewide	Admin*	\$2,073,024	\$	745,121	\$	92,506	\$	1,327,902	\$	3,979,952	\$ (696)	\$ 2,200
1	L4	ACP/HLB	Statewide	Outreach	\$1,552,478	\$	834,476	\$	104,572	\$	718,002	\$	1,216,423	\$ (718,626)	\$ 1,987,048
1	L5	ACP/HLB	Statewide	Data Analysis	\$1,245,934	\$	389,597	\$	62,808	\$	856,338	\$	1,055,059	\$ -	\$ 42,925
1	L6 <i>i</i>	ACP Mgmt	Statewide	Diagnostics	\$209,462	\$	133,912	\$	9,989	\$	75,550	\$	136,373	\$ -	\$ -
1	L7	Indirect	Statewide	Indirect	\$4,465,004	\$	62,683	\$	506,699	\$	4,402,321	\$	-	\$ (19,521)	\$ 100,294
	-	-		Totals	\$41,500,000	\$1	12,183,144	\$3,	379,110	\$2 :	9,316,856	Ş	30,071,167	\$(5,359,008)	\$13,173,063

^{*\$55,693} will be reallocated to other budgets line items in the future.

FY 23-24 May 2024 Expenditures

#	Group	Region	Activity	Committee Approved 2023- 24 Budget		emaining 2023-24 Budget	Ехр	lay 2024 enditures er FI\$Cal	Exp	ar to Date enditures er FI\$Cal		or year FY22- 23 Year to date Expenditures	May 2024 Encumbrance Changes		ear to Date
1	ACP Mgmt	Central	Survey	\$3,688,353	\$	983,468	\$	389,697	\$	2,704,884	\$	2,629,797	\$ (106,432)	\$	332,051
2	ACP Mgmt	Central	Treatment	\$1,881,438	\$	1,724,796	\$	15,759	\$	156,642	\$	1,163,154	\$ (1,637)	\$	58,514
3	ACP Mgmt	Northern	Survey	\$1,759,845	\$	312,384	\$	200,672	\$	1,447,461	\$	1,233,322	\$ (412,171)	\$	266,737
4	ACP Mgmt	Northern	Treatment	\$53,107	\$	45,054	\$	1,496	\$	8,053	\$	46,061	\$ -	\$	-
5	ACP Mgmt	Statewide	Biocontrol	\$1,720,409	\$	160,752	\$	194,535	\$	1,559,657	\$	1,274,508	\$ (184,716)	\$	243,719
6	ACP Mgmt	Statewide	Survey	\$1,000,000	\$	(217,300)	\$	63,611	\$	1,217,300	\$	1,636,572	\$ (719,288)	\$	1,706,259
7	ACP Mgmt	Statewide	Regulatory	\$3,257,844	\$	869,683	\$	361,925	\$	2,388,161	\$	2,163,929	\$ (407,467)	\$	1,164,949
8	HLB Det	Southern	Survey	\$2,199,453	\$	(320,997)	\$	216,594	\$	2,520,449	\$	1,928,112	\$ (823)	\$	1,901
9	HLB Det	Statewide	Survey	\$5,887,471	\$	2,027,186	\$	475,164	\$	3,860,285	\$	4,137,088	\$ (2,385)	\$	1,485
10	HLB Det	Statewide	Diagnostics	\$3,556,269	\$	1,171,020	\$	295,346	\$	2,385,250	\$	2,503,456	\$ (107,541)	\$	197,610
1:	L HLB Erad	Southern	Treatment	\$6,179,634	\$	745,522	\$	577,040	\$	5,434,112	\$	6,797,186	\$ (201,581)	\$	4,923,329
13	2 HLB Erad	Statewide	Regulatory	\$770,273	\$	155,641	\$	(431,694)	\$	614,632	\$	666,771	\$ -	\$	0
13	3 ACP/HLB	Statewide	Admin*	\$2,073,024	\$	578,989	\$	166,132	\$	1,494,034	\$	4,341,029	\$ 4,431	\$	6,631
14	ACP/HLB	Statewide	Outreach	\$1,552,478	\$	793,639	\$	40,837	\$	758,839	\$	1,365,444	\$ (1,049,441)	\$	937,608
1!	ACP/HLB	Statewide	Data Analysis	\$1,245,934	\$	394,662	\$	(5,066)	\$	851,272	\$	1,114,886	\$ 123,677	\$	166,602
10	6 ACP Mgmt	Statewide	Diagnostics	\$209,462	\$	127,416	\$	6,496	\$	82,047	\$	147,572	\$ -	\$	-
1	7 Indirect	Statewide	Indirect	\$4,465,004	\$	(113,645)	\$	176,329	\$	4,578,649	\$	-	\$ (18,765)	\$	81,529
-	-	-	Totals	\$41,500,000	\$.	9,438,271	\$2	,744,873	\$3.	2,061,729	Ç	33,148,887	\$(3,084,140)	Ş	510,088,924

^{*\$55,693} will be reallocated to other budgets line items in the future.

FY 23-24 HLB E-Fund & LA-CYVCV Summary

Program	Expenditures to Date	Budget	Remaining Balance			
HLB E-Fund- Ventura	\$247,683	\$1,627,235	\$1,379,552			
CYVCV- LA	\$88,810	\$250,000	\$161,190			

FY 23-24 Revenue Summary

Revenue Received	
Revenue Received To Date (October 2023 to June 2024)	\$15,481,722
Last Meeting (May 1, 2024) Revenue Received to Date	\$7,186,741
Increased from last meeting to current	\$8,294,981

FY 23-24 Carton Comparison

FY23/24 Projected Cartons	FY23/24 Projected Cartons (NASS)	FY22/23 Projected Cartons (CPDPC)
180,000,000	180,400,000	188,400,000
Cartons	Cartons	Cartons
\$0.09/per carton	\$0.09/per carton	\$0.07/per carton
\$16,200,000	\$16,236,000	\$13,188,000

FY22/23
collected
186,041,257
cartons at
\$0.07/ per
carton, which
was 98% of
the projected
cartons
received

Year to Date Revenue Received	Revenue Amount	Cartons
Current YTD (\$0.09/per carton)	\$15,481,722	172,019,133
Prior Year FY22-23 YTD (\$0.07/per carton)	\$10,905,588	155,794,114

FY 23-24 Clean Citrus Nursery Stock Program Summary

Budget Summary	
Fund Balance	\$255,036
Revenue Received To Date (July 2023 to May 2024)	\$55,949
Expenditures to Date (July 2023 to May 2024)	\$83,543
Reimbursements Received To Date (July 2023 to May 2024)	\$95,943
Net Balance	\$323,384



QUESTIONS?

Proposed Budget Reductions

FY 2024-25

Current Funding Authority

General Fund: \$4.8 million

Agriculture Fund: \$25.5 million

Federal (CHRP): \$12.1 million

Total: \$42.4 million



This is the total amount the Legislature has authorized the program to spend in Fiscal Year (FY) 2024-25 (July 1, 2024 and June 30, 2025). It doesn't represent actual or projected expenditures.

Approved Budget

On May 8, 2024, the Committee approved a budget of \$41,577,100 for FY 2024-25.

Actual yearly spending averages between \$36 and \$38 million.

	2024-2025
Activity	Approved Budget
ACP Border Treatment	0
Central ACP Survey	3,339,966
ACP Central Treatment	1,625,803
ACP Northern Survey	1,918,413
ACP Northern Treatment	77,981
ACP Southern Treatment	0
ACP Southern Survey	0
Biocontrol	1,711,920
Grove Trapping	800,000
ACP Regulatory	2,881,059
HLB Border Survey	0
HLB Southern Survey	2,553,349
HLB Statewide Survey	5,708,476
HLB Diagnostics	3,298,801
HLB Southern Treatment	6,698,145
HLB Statewide Regulatory	859,630
Administration	2,102,629
Outreach	1,502,997
Data Analysis	1,144,458
ACP Diagnostics	168,027
Sweet Orange Scab	0
CYCVC - Central District	0
Indirect	4,236,662
HLB Central Survey	292,826
HLB Central Treatment	655,958

Total Approved Budget: 41,577,100



Revenue Shortfall – No Changes

Based on 180,400,000 Cartons Assessed					
Funding	\$.08/carton	\$.09/carton	\$.10/carton	\$.11/carton	\$.12/carton
Assessments	\$14,432,000	\$16,236,000	\$18,040,000	\$19,844,000	\$21,648,000
General Fund	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000
Federal (CHRP)	\$12,100,000	\$12,100,000	\$12,100,000	\$12,100,000	\$12,100,000
Total Funding	\$31,332,000	\$33,136,000	\$34,940,000	\$36,744,000	\$38,548,000
Expenditures	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)
Shortage	(\$6,668,000)	(\$4,864,000)	(\$3,060,000)	(\$1,256,000)	\$548,000



Revised Revenue

Based on 180,400,000 Cartons Assessed					
Funding	\$.08/carton	08/carton \$.09/carton \$.10/carton			\$.12/carton
Assessments	\$14,432,000	\$16,236,000	\$18,040,000	\$19,844,000	\$21,648,000
General Fund	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000	\$4,800,000
Federal (CHRP)	\$12,100,000	\$12,100,000	\$12,100,000	\$12,100,000	\$12,100,000
Total Funding	\$31,332,000	\$33,136,000	\$34,940,000	\$36,744,000	\$38,548,000
Expenditures	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)	(\$38,000,000)
Shortage	(\$6,668,000)	(\$4,864,000)	(\$3,060,000)	(\$1,256,000)	\$548,000
Proposed Savings	\$4,592,058	\$4,592,058	\$4,592,058	\$4,592,058	\$4,592,058
Balance	(\$2,075,942)	(\$271,942)	\$1,532,058	\$3,336,058	\$5,140,058

Assumes maximum, proposed reductions if implemented immediately.





Reductions Summary

Northern: \$348,702

Southern: \$2,062,000

Central: \$909,428

Regulatory: \$723,228

Grower Liaisons: \$133,500

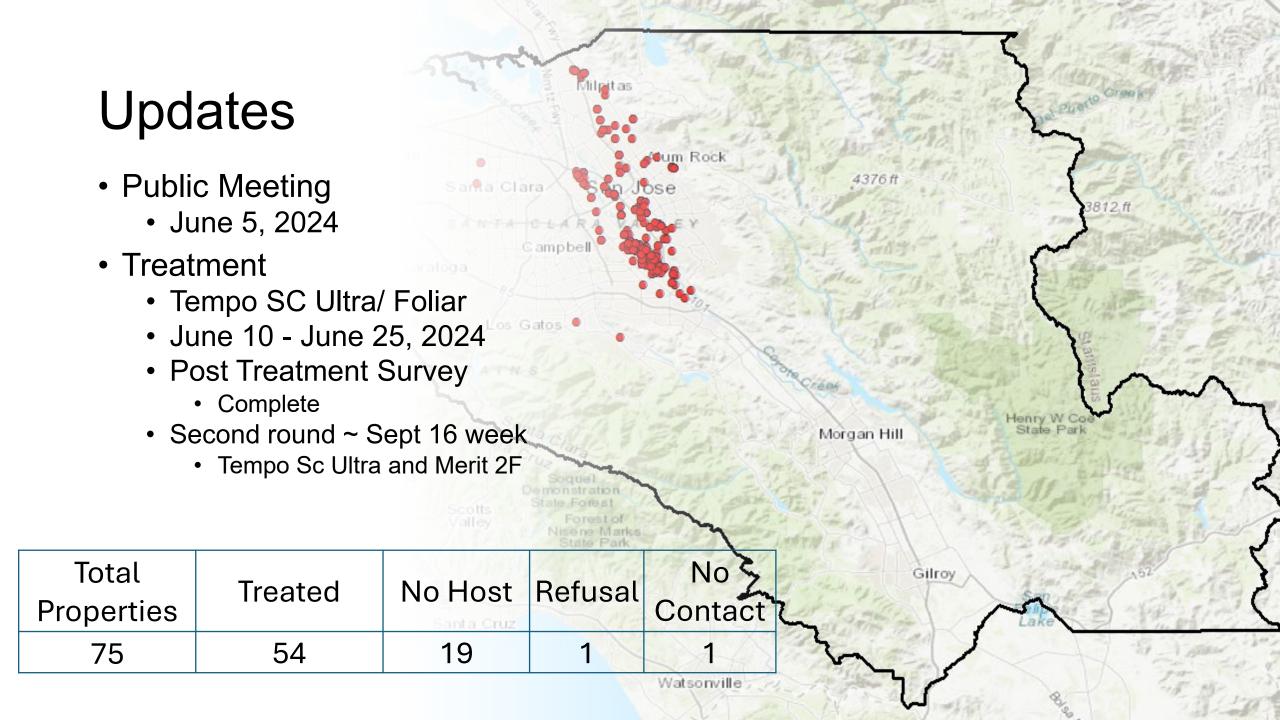
Outreach: \$415,200

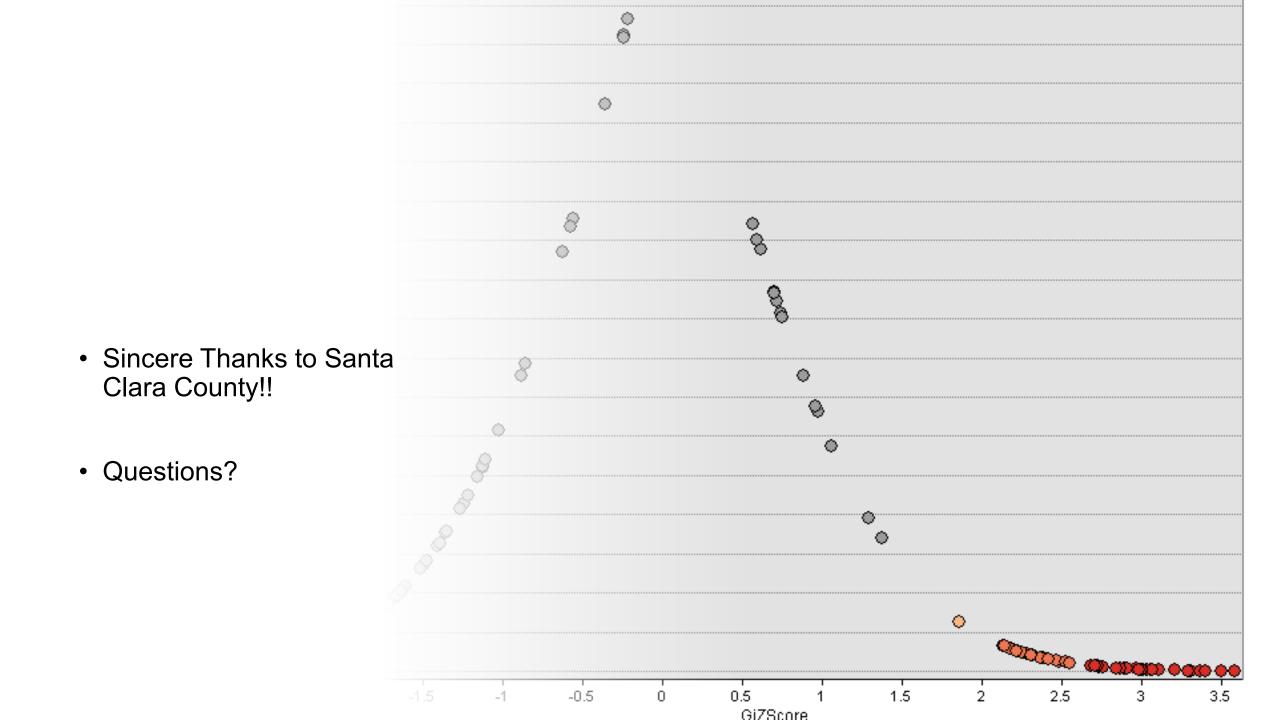
Total Proposed Reductions: \$4,592,058

Assumes maximum, proposed reductions if implemented immediately.









Southern District Savings

Imperial County Survey Agreement

Current Contract Amount FY 23-24	\$112,000
Proposed Contract Amount FY 24-25	\$50,000
Net Savings	<mark>\$62,000</mark>



The change in frequency of Multi-Pest Survey (MPS) along the 2-mile border buffer along with the US/MX border in Imperial County from quarterly to twice a year.

The number and density of STRs will remain the same as prior years.

MPS continues in Imperial County due to no CLas+ ACP detections nor HLB+ trees.

Southern District Savings

ACP Suppression Treatments in Orange and Los Angeles Counties

Orange County Treatment Comparison			
Contractor Cost \$1,000,000			
CDFA Cost \$300,000			
Net Savings \$700,000			

Los Angeles County Treatment Comparison			
Contractor Cost \$1,500,000			
CDFA Cost	\$200,000		
Net Savings \$1,300,000			

250m Scenario / Cost	Vendor	CDFA
Avg # of properties in 250m	160	160
# of host trees per property	7	7
# of trucks per day	3	3
Avg # of properties treated per truck	28	16
# of CDFA Staff	3	6
Estimated days to complete an area	2	4
Cost to treat * In addition, there will be a one-time cost of \$20,000 to retrofit each truck.	~\$80,000	~\$8,500*





County	FY23/24	Requested FY24/25	Proposed Revision
Fresno	\$636,967	\$526,548	\$526,548
Kern*	\$495,000	\$470,000	<mark>\$423,000</mark>
Kings*	\$99,625	\$101,940	<mark>\$91,746</mark>
Merced	\$153,317	\$163,010	\$163,010
Monterey	\$155,137	\$165,581	\$165,581
San Benito**	\$55,475	\$61,734	<mark>\$0</mark>
San Luis Obispo	\$225,713	\$269,109	\$269,109
Tulare*	\$428,955	\$454,997	<mark>\$409,497</mark>
	\$2,250,189	\$2,212,919	\$2,048,491
		<mark>\$37,270</mark>	<mark>\$164,428</mark>

^{* 10%} reduction

^{**} eliminated





Central Valley	FY 23/24	FY 24/25	Proposed Revision	Savings
Fresno	\$250,000	\$97,000	\$10,000	<mark>\$87,000</mark>
Madera	\$5,000	\$5,000	\$0	<mark>\$5,000</mark>
Kern	\$400,000	\$151,000	\$10,000	<mark>\$141,000</mark>
Kings/Tulare	\$250,000	\$97,000	\$10,000	<mark>\$87,000</mark>
	\$905,000	\$350,000	\$30,000	<mark>\$320,000</mark>





Central Coast	FY 23/24	FY 24/25	Proposed Revision	Savings
Monterey/SLO	\$500,000	\$200,000	\$25,000	<mark>\$175,000</mark>
Ventura/SB	\$500,000	\$250,000	\$250,000*	\$250,000
	\$1,000,000	\$450,000	\$275,000	<mark>\$425,000</mark>

^{*}Actuals billed to Ventura E-Fund







Agreements/Contracts	FY 24/25
County Agreements	<mark>\$164,428</mark>
Treatment Contracts	<mark>\$745,000</mark>
Total Savings	<mark>\$909,428</mark>



Regulatory Overview

CDFA Regulatory Staff

- 13 staff, plus 3 in Sacramento
- HLB quarantine, nurseries, citrus nursery production, e-commerce, and new introductions
- Nurseries
 - 26 registered producers
 - 502 wholesale nurseries
 - 35 with approved structures
 - 104 total approved structures

County Ag Commissioners

- Bulk citrus movement enforcement
- Receive and review declaration forms assess risk and conduct inspections
- Work with grate cleaners
- Enforce regulations through NOV/NOPA
- Compliance agreements issued:
 - 9,328 growers
 - 2,177 haulers
 - 354 FLCs
 - 1,797 fruit sellers
 - 111 packers/processors



Regulatory Agreements

County	FY 2023 24 Budget	FY 2023 24 CA Issued & Inspections	Proposed FY 2024 25 Budget	Percent Change	CDFA Staff
Fresno	\$105,077.25	574	\$85,000	-19%	
Kern	\$80,000	681	\$70,000	-13%	
Kings	\$19,602.20	74 (*1)	\$10,121.50	-48%	3
Monterey	\$15,760.55	25 (*2)	\$16,834.54	7%	
Tulare	\$410,044.56	3,765	\$350,005.84	-15%	
San Luis Obispo	\$8,676.04	11	\$9,279.65	7%	
Santa Barbara	\$12,785.73	42 (*1)	\$12,838.28	0%	1
Ventura	\$284,784.70	334 (*2)	\$220,008.54	-23%	
Imperial	\$57,684.66	64	\$40,000.12	-31%	0
San Diego	\$612,471.94	581	\$450,000	-26%	2
Los Angeles	\$291,633.41	538	\$200,00	-31%	2
Orange	\$88,048.50	115	\$55,000	-38%	3
Riverside	\$751,593.75	926	\$500,000	-40%	4
San Bernardino	\$18,674.83	22	\$14,520.18	-22%	4
Total	\$2,756,838.12		\$2,033,609.65	-26%	13



Regulatory

- FY 23-24: \$2,756,838 ~ 7,752 inspections
- Proposal: Save \$723,228.47
 - 26% reduction
 - ~6,123 inspections
- Overall fewer inspections allows for greater chance of introduction

CDFA Staff

- Continue to prioritize emergencies no change in response time
- Supplement county high-risk inspections

Continued emphasis on home nurseries and

markets





Grower Liaisons

- Bid on 2-year contracts
 - Maximum \$70,000/year
 - FY23-24, GLs asked to reduce expenditures to ~\$27,000 per agreement
- 10 current agreements
 - Central Valley: 4
 - Central Coast: 3
 - Southern California: 3
- Multiple expiration dates
 - 1 9/30/24
 - $8 \frac{6}{30}/25$
 - 1 6/30/26

Area	Agreement Amount	1-Year Amount	Expiration Date
Fresno and Madera	\$103,800	\$51,900	6/30/25
Northern Tulare	\$111,730	\$55,865	6/30/25
Southern Tulare	\$111,730	\$55,865	6/30/25
Kern	\$136,750	\$68,375	6/30/25
SLO and Santa Barbara	\$131,680	\$65,840	6/30/25
Northern Ventura	\$130,480	\$65,240	6/30/25
Southern Ventura	\$138,750	\$69,375	6/30/25
San Bernardino	\$138,750	\$69,375	6/30/25
Riverside	\$138,750	\$69,375	6/30/26
San Diego	\$138,750	\$69,375	9/30/24
Total	\$1,281,170	\$640,585	

Grower Liaisons

Annual maximum total cost: \$640,585 (FY24-25 budgeted \$273,500)

- Central Valley (4): \$232,050 (~\$99,068)
- Central Coast (3): \$200,455 (~\$85,579)
- Southern Cal (3): \$208,125 (~\$88,853)

Proposals

- Not more than 1 GL per county: \$560,000 (~\$239,092) (-\$34,408)
- 2 GLs for state: \$140,000 (-\$133,500)

CDFA staff can

- Conduct outreach via list serve
- Provide detection and regulatory guidance
- Coordinate grower meetings

GLs can

- Act as a non-regulator
- Coordinate areawide treatment (residential treatment incentive no longer funded)





NST OUTREACH BUDGET SCENARIOS

Scenario 1: \$313,050 in savings - Approx. 35% decrease

- Primarily driven by reimbursements from Plant Div (Fruit Fly work) and PPA funding from USDA (Est. \$229K combined)
- What we'd lose from our current plan:
 - o \$75K in advertising 30% decrease
 - o \$9K travel 40% decrease

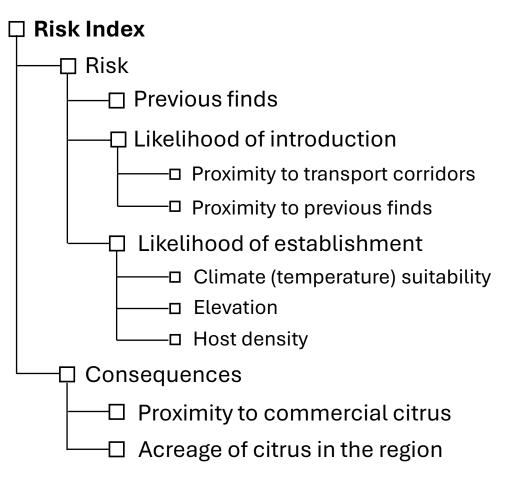
Scenario 2: \$415,200 in savings – Approx. 47%

- Primarily driven by reimbursements from Plant Div (Fruit Fly work) and PPA funding from USDA (Est. \$229K combined)
- What we'd lose from our current plan:
 - \$100K in advertising 40% decrease
 - o \$9K travel 40% decrease
 - \$45K for market research eliminated from the plan
 - \$22K Audio News Releases eliminated from the plan
 - \$10K in exhibitor fees 50% decrease

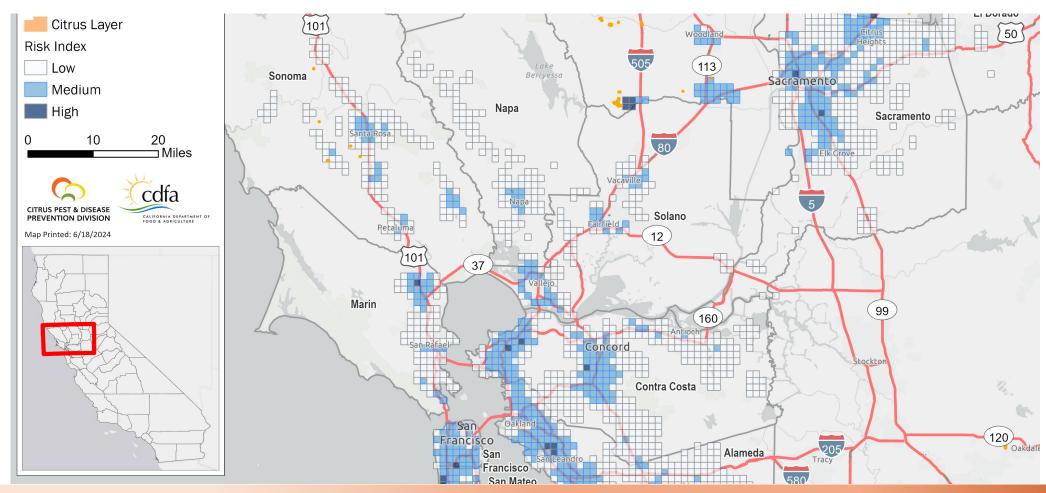


Northern District Savings Winter Trapping Optimization - Methodology

Balancing ACP Risk vs
Consequences of ACP Establishment



Northern District Savings Winter Trapping Optimization - Results



Northern District Savings Winter Trapping Optimization – County Agreements

County	ACP Detections	Current Traps	Proposed Traps	County-Agreed Traps	Trap Reduction	FY 24-25 Agrmt	Estimated Savings
Alameda	8	902	725	725	20%	\$125,671	\$24,661
Butte ^{CN}	0	155	5	110	29%	\$20,725	\$6,017
Colusa	0	50	0	0	100%	\$7,047	\$7,047
Contra Costa	4	861	465	510	41%	\$96,183	\$39,210
El Dorado	0	49	0	0	100%	\$7,970	\$7,970
Glenn ^c	0	50	50	50	0%	\$6,985	
Lake	0	46	0	0	100%	\$13,060	\$13,060
Napa	0	120	60	60	50%	\$30,572	\$15,286
Sacramento	1	1,400	635	635	55%	\$111,742	\$61,059
San Mateo	4	625	505	530	15%	\$113,088	\$17,189
Santa Cruz ^N	0	264	0	40	85%	\$63,335	\$53,739
Solano ^N	5	287	175	200	30%	\$94,016	\$28,500
Sonoma	1	437	130	150	66%	\$64,824	\$42,573
Sutter ^N	0	160	20	20	88%	\$27,005	\$23,629
Tehama	0	124	35	60	52%	\$16,976	\$8,762
Total	23	5,530	2,805	3,090	44%	\$799,199	\$348,702

C = Commercial Groves | N = Nurseries



Northern District Savings Winter Trapping Optimization – Proposal

- For the 15 counties with winter trapping agreements
 - Reduce trap numbers by a total of 44% in all counties except Glenn
 - Eliminate winter trapping in 3 counties (Colusa, El Dorado and Lake)
- FY 24-25 agreements are already in the process of being executed
 - Winter trapping occurs October through April
 - If approved, each county will determine whether they are able to revise, amend or eliminate their agreement prior to October 2024, or if they need to wait until October 2025
- Total Estimated Savings of \$348,702
 - Based on trap reductions <u>ONLY</u>; other factors such as county staffing, overhead, etc. to be determined with a revised or amended agreement







Recent Outreach Activities



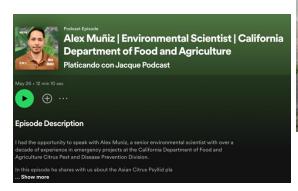
Resident Outreach Activities

Keeping "Don't Move Citrus" Key Message Top of Mind For Residents

- Summer travel
 - Leveraging data released by travel organizations that Fourth of July and summer travel was estimated to hit a new high
 - 71 million people traveling across the country; 5.4 million people throughout Southern California
 - Statewide media outreach to English and Spanish media outlets
 - Published 146 times
- Social media advertising
- Influencer partnerships
 - Coastal Homestead
 - Wild Joy Gardens









Resident Outreach Activities

Educating Third-Party Voices and Key Partners on ACP and HLB Updates

- Rare Fruit Grower outreach
- Master Gardener outreach

Amplifying Expert Knowledge – Multi-Media Assets

- Biocontrol content development
- Ongoing local media coordination and outreach
- Video asset development

Direct Engagement with Community Residents

- California Strawberry Festival
- Upland Lemon Festival



GRAFTING CITRUS SAFELY

A deadly plant disease that kills citrus trees has been found in California. The disease, called Huanglongbing (HLB) or citrus greening disease, isn't harmful to humans or animals, but it is fatal for citrus trees and has no cure. The disease can be spread by a pest called the Asian citrus psyllid (ACP) as it feeds on citrus tree leaves, or by grafting infected budwood. To help protect your community's homegrown citrus and prevent the spread of HLB, it is important to ensure you only use registered budwood when grafting with source documentation.

Disease-free budwood can be ordered from the Citrus Clonal Protection Program at: https://ccpp.ucr.edu

Learn more about ACP and HLB management at CaliforniaCitrusThreat.org





Industry Outreach Activities

Updating Industry Resources Available on Digital Channels

- Other Citrus Pest and Disease Threats Webpage
 - Invasive Fruit Flies
 - CYVCV
 - Sweet Orange Scab
 - Citrus Canker
 - Multi-Pest Survey
- News and E-blast Distribution (Average Open rate: 46.3%)
 - CDFA Names Victoria Hornbaker New PHPPS Division Director;
 Interim CPDPD Director Named
 - Invasive Fruit Fly Quarantine Lifted in Santa Clara County
 - Ventura County ACP-HLB Task Force 2024 Grower Meeting
 - Invasive Fruit Fly Quarantine Lifted in Sacramento County
 - Tau Fruit Fly Quarantine Lifted in Los Angeles County
 - Oriental Fruit Fly Quarantine Lifted in Contra Costa County
 - Confirmed CLas-positive Asian citrus psyllid found in Hemet, Riverside County



CITRUS **INSIDER**

MAPS PSYLLID & DISEASE CONTROL OTHER THREATS CALENDAR NEWS BLOG RESOURCES ABOUT P







04/

To protect commercial citrus groves in the fight against the Asian citrus psyllid (ACP) and the... Read More

News & Updates

Receive these industry related news on the Asian citrus psyllid and Huanglongbing (HLB) right to your email inbox. Sign up to





Industry Outreach Activities

Educating Front-Line Leaders on ACP Management Practices

- Train-the-Trainer Workshops
 - Riverside and Ventura Counties

Keeping Nurseries Updated on Quarantine Regulations

- Nursery-focused FAQ document Showcasing how HLB quarantines impact nurseries
- San Diego County nursery meetings support



Elected Official Outreach

Educating Community Representatives on ACP and HLB

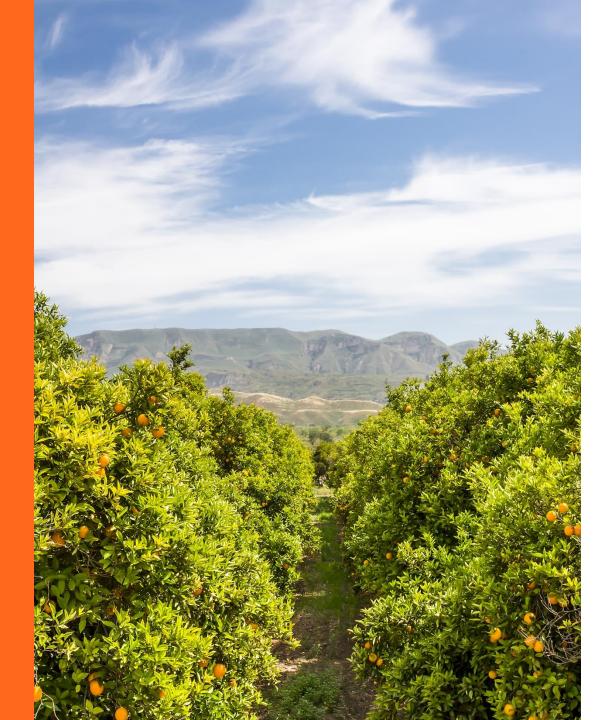
- City of Commerce outreach
- Ventura County outreach
 - Briefed new deputy agricultural commissioner
- California Contract Cities Annual Municipal Seminar
 - Educated over 50 officials on the threat of ACP/HLB
- Southern California Association of Governments Regional Conference
 - Educated over 100 officials on the threat of ACP/HLB

Enhancing Community and Stakeholder Engagement

- City Developer/Planner outreach
- CPDPP's Citrus Hero Award
 - Jessica Naquin & Ken Pellman







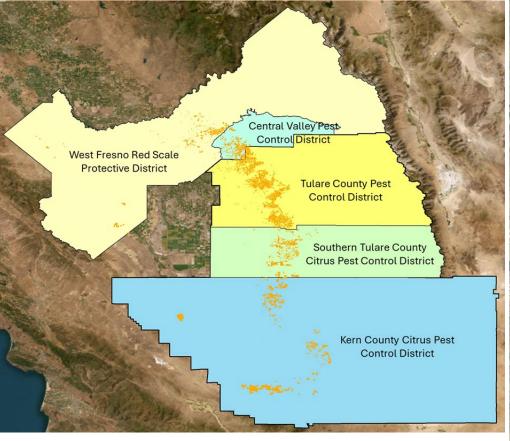
Upcoming Outreach Activities:

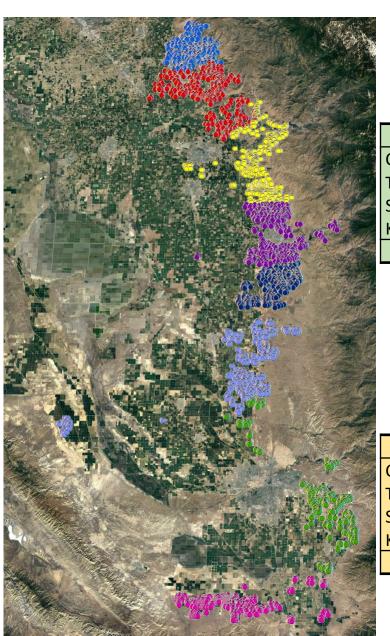
- CPDPC Strategic Planning Process
- Continuation of "Don't Move Citrus" Key Message
 Outreach Focus
- Shasta Lake Garden Club Presentation
- Finalize Influencer Partnerships and Produce Content
- Biocontrol Milestone Media Outreach
- Train-the-Trainer Coordination
- New Video Content Development
- Composting 101 Blog for Elected Officials
- Chula Vista Lemon Festival





San Joaquin Valley Citrus Pest Control Districts





Trapping - Spring 2024 (April to June)

PCDs	No. of Sites	No. of Traps
Central Valley	435	1,749
Tulare County	910	3,747
Southern Tulare	462	2,131
Kern County	1,295	4,770
	3,102	12,397

Trapping - Fall 2024 (Mid-Sept to Mid-Dec)

PCDs	No. of Sites	No. of Traps
Central Valley	460	1,840
Tulare County	927	3,708
Southern Tulare	933	3,732
Kern County	1,397	5,588
	3,717	14,868





Supporting Research on Citrus Yellow Vein Clearing Virus (CYVCV) with Dr. Yokomi (USDA) and Dr. Tian (CDFA)



- Mixed infection of trees with CYVCV and citrus viroid pathogens such as Citrus exocortis viroid and Hop stunt viroid
- Tested 722 samples by quadruplex RT-qPCR.



Limoneira 8A (Lisbon Lemon)/Carrizo in North of Reedley area



















Thornless Lemon/Carrizo in Tulare County







Other Activities

- Working on improving Trapping
 - i. 6gm vs. 3gm sticky glue
 - ii. ACP Lures (potential research collaboration with the University of Connecticut)
 - iii. High-throughput trap screening with NGS
- Multi-Pest Inspection (Entomologist + 2 inspectors) ~150 blocks
- Pest Control Business License (DPR)
 QAL (Qualified Applicator License); Non-commercial 25+ trees
- ACP detection K9 service available for citrus industry (PPA7721 funding) starting Fall 2024 season.

Asian Citrus Psyllid Biocontrol Update



July 2024



Biological Control Agent Releases

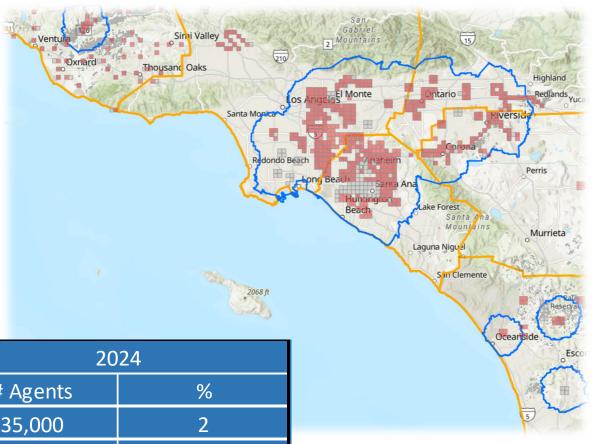
	Releases Previous Month	Releases Previous Month Releases, 2024		Releases 2011-2023		
County	June	T. radiata	T. radiata	D. aligarhensis		
	2024	Released	Released	Released		
Imperial	0	35,000	690,543	10,295		
Los Angeles	172,100	493,400	8,523,924	107,734		
Orange	122,000	375,600	6,686,916	71,179		
Riverside	62,500	155,700	4,255,302	127,739		
San Bernardino	57,000	154,300	2,415,015	57,252		
San Diego	49,200	166,500	3,361,364	86,403		
Ventura	51,400	136,500	2,556,206	16,830		
Santa Barbara	8,000	30,600	436,782	12,012		
Kern	0	3,200	407,664	0		
Santa Clara	11,400	41,400	331,437	0		
Placer	0	0	3,400	0		
San Luis Obispo	0	0	139,200	0		
Tulare	0	0	63,400	0		
Fresno	0	8,000	35,000	0		
Monterey	0	0	29,000	0		
Madera	0	0	5,600	0		
Arizona	0	0	253,500	0		
Mexico	0	0	306,000	0		
TOTAL	533,600	1,600,200	30,500,253	489,444		
	TOTAL (2011-2021):	TOTAL (2011-2021):				



Biological Control Agent Release Areas

Releases in:

- HLB Quarantine areas
- Borders
- Trade routes
- Area-wide management
- Newly established ACP



Release Type	2023		2024		
	# Agents	%	# Agents	%	
Borders	99,800	4	35,000	2	
HLB	1,889,615	80	1,345,500	84	
New	147,900	6	52,600	3	
Routes	232,300	10	167,100	10	

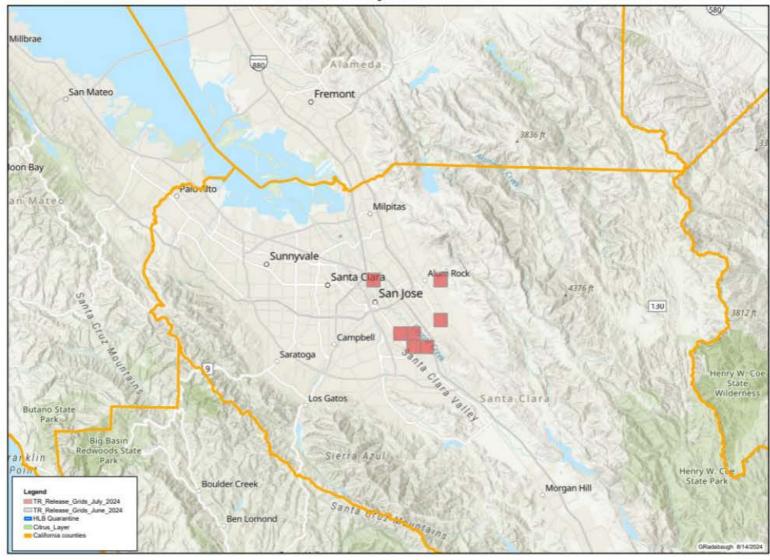




2024 Release sites 7/1 - 7/31/2024



Vicinity: Santa Clara







2024 Release sites 7/1 - 7/31/2024



Vicinity: Santa Barbara



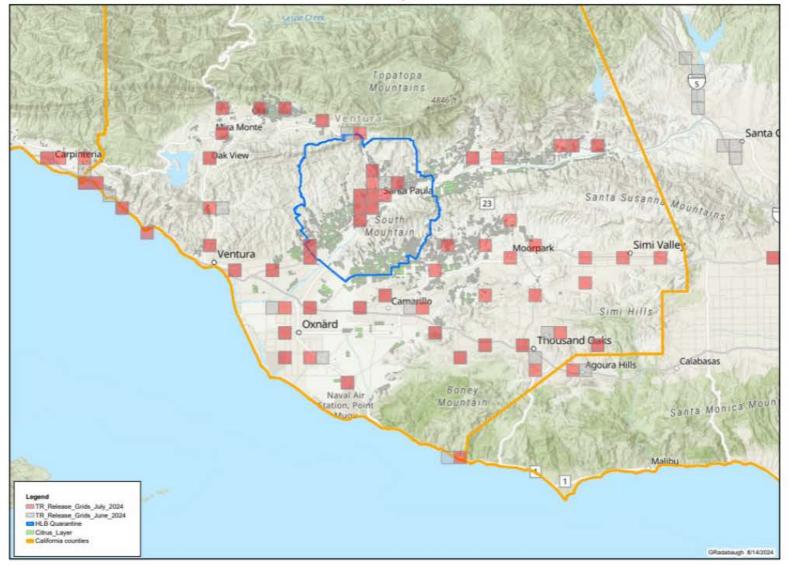




2024 Release sites 7/1 - 7/31/2024



Vicinity: Ventura



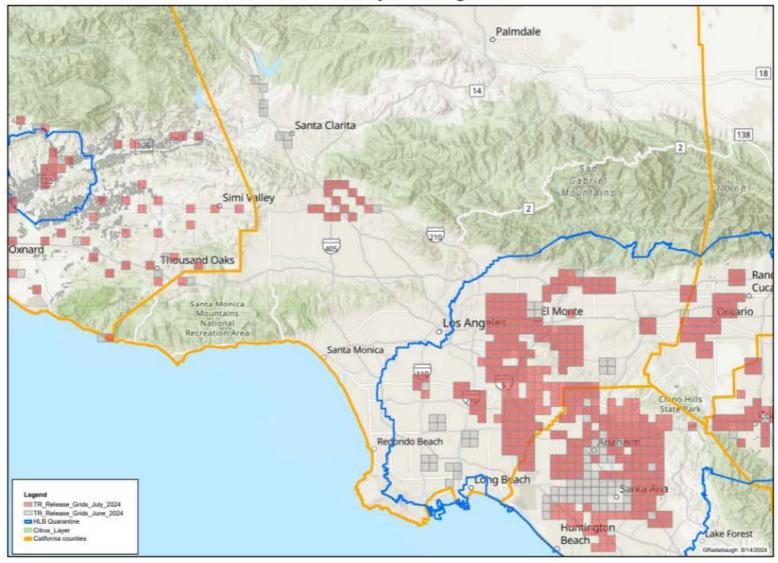




2024 Release sites 7/1 - 7/31/2024



Vicinity: Los Angeles



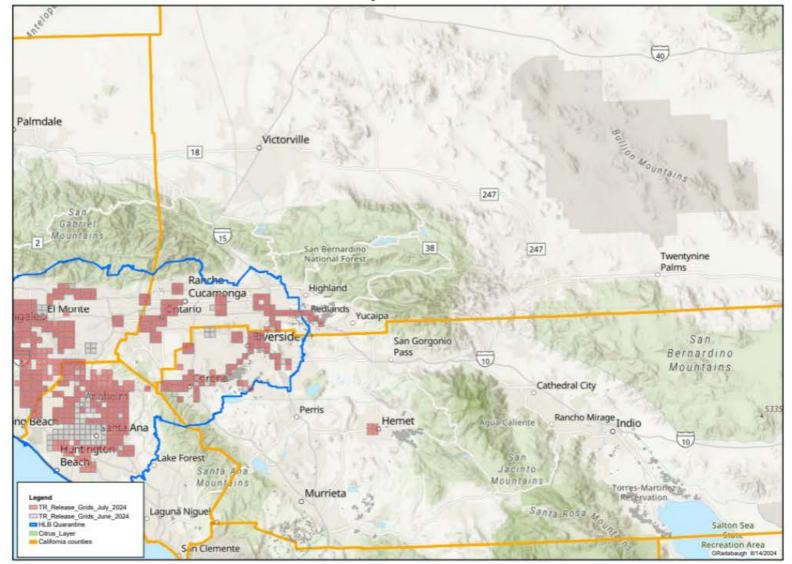




2024 Release sites 7/1 - 7/31/2024



Vicinity: San Bernardino



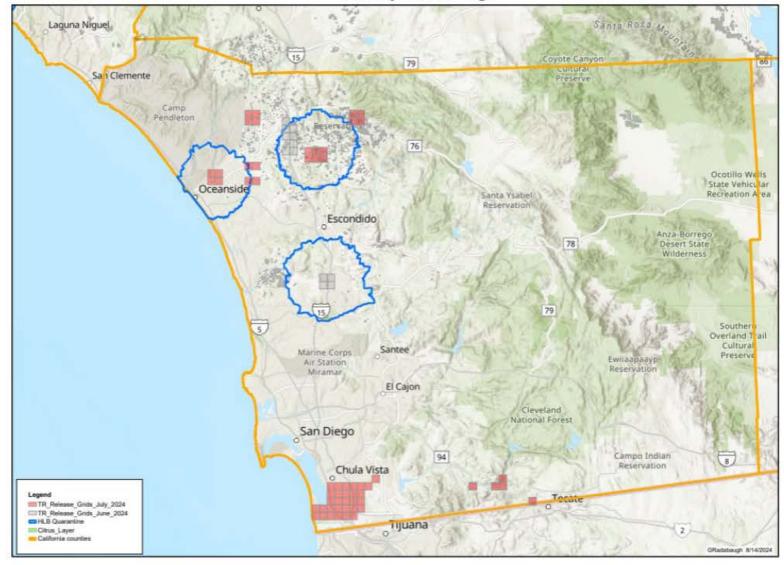




2024 Release sites 7/1 - 7/31/2024



Vicinity: San Diego





Region-Wide Urban Monitoring 2015 - Present

