HLB Detection, Delimitation, and Tree Removal Updates

Southern District   May 10, 2023

HLB Detection Updates

- **San Diego County**
  - A total of 18 positive tree so far.
    - No new detection in the previous list.
  - All trees were removed and disposed off.
  - Delimitation survey was completed.
    - Around 60 plant sample PDRs are still pending results.
  - Delimitation treatments were completed in all areas except SD 7.
  - Public Meeting is scheduled on May 11 to treat properties in SD 7.

- **First ACP+ detected in West Covina.**
- **First positive tree in the City of Industry.**

HLB Delimitation Survey I

Areas	Total Properties	Properties Surveyed	No Host Properties	Refusals/No Contact	Completion Percentage
Paramount (16)	327	80	27	5/10	25%
La Puente (5-8)	316	147	77	4/6	47%
El Monte (7-10)	246	132	60	1/2	54%
San Diego (3-7)	189	167	51	3/19	88%
Corona (28-33)	468	78	19	1/1	17%
Ontario (20-24)	621	418	251	9/4	67%
Fontana (11-14)	245	240	70	6/10	100%
Chino (8)	49	13	13	0/0	26%

HLB Delimitation Survey II

Areas	Total Properties	Properties Surveyed	No Host Properties	Refusals/No Contact-Pending	Completion Percentage
La Habra (3-4)	270	172	136	3/0	64%
Orange (Multiple areas)	62	45	1	0/1	72%
Santa Ana (Multiple areas)	120	52	18	1/2	43%
Anaheim (Multiple areas)	304	257	78	17/4	84%
Fountain Valley (3)	262	123	76	1/1	47%
Costa Mesa (3)	209	209	181	0/0	100%
Fullerton (1,5)	811	374	345	5/0	46%

Quadrant Survey 2023
(Find sites, Adjacent, Inconclusive samples)

County	Jan	Feb	Mar	April	May	June	July	Aug	Sept	Oct	Nov	Dec
Los Angeles	684	241	92	118								
Orange	656	923	753	1880								
Riverside	62	140	188	32								
San Bernardino	106	138	84	260								
San Diego	28	60	382	107								
Imperial	0	0	0	0								
Total	**1,536**	**1,502**	**1,499**	**2,397**								

HLB Positive Trees (March and April 2023)

County	Detected	Removed	Cumulative Pending
Los Angeles	99	99	85
Orange	188	230	152
San Bernardino	46	19	20
Riverside	7	12	7
San Diego	12	12	0
TOTAL	**352**	**372**	**264**

California Department of Food & Agriculture
Plant Pest Diagnostics Center
HLB Testing Program
2023

Total number of plant and ACP samples per month – Fig. 1a, Fig1b
Number of samples tested for HLB per year from 2008 –2023 – Fig. 2
Tally of positive detections by county and city – Tables 1-3
Tally of positive detections by city per year – Table 4
If you have any questions, please call or email me at 916-738-6710 lucita.kumagai@cdfa.ca.gov.

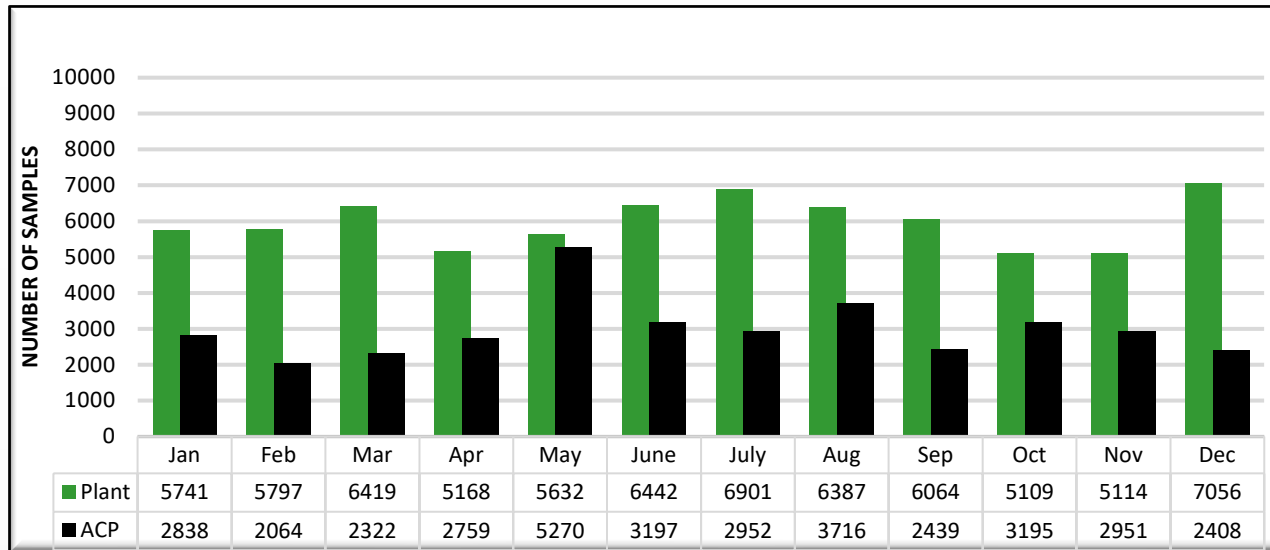**Fig 1a.** 2022 - Total number of plant and ACP samples submitted per month.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Plant	5741	5797	6419	5168	5632	6442	6901	6387	6064	5109	5114	7056
ACP	2838	2064	2322	2759	5270	3197	2952	3716	2439	3195	2951	2408

Fig 1b. 2023 - Total number of plant and ACP samples submitted per month.

	Jan	Feb	Mar	Apr	May	June	July	Aug	Sep	Oct	Nov	Dec
Plant	4320	5089	5612	7922	0	0	0	0	0	0	0	0
ACP	2242	1570	908	433	0	0	0	0	0	0	0	0

Fig 2. Number of samples tested for HLB per year from 2008 –2023.

Number of Samples

Bar totals: 4,132 (2008-09); 12,638 (2010); 23,078 (2011); 47,070 (2012); 41,237 (2013); 38,508 (2014); 114,736 (2015); 130,485 (2016); 140,561 (2017); 154,159 (2018); 117,065 (2019); 103,861 (2020); 100,000 (2021); 107,941 (2022); 28,096 (2023)

	2008-09	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023
CRB Plant														3122	1028
CPDP ACP									94	4020	0	0	0	0	0
CRB ACP			7740	19380	23222	22568	0	0	5085	45550	33247	32920	32507	35948	5120
U AZ ACP									7881	11896	10079	4310	205	0	0
CDFA ACP	1923	3527	1105	15032	6872	2300	87052	72832	47619	6698	133	130	29	163	33
CDFA Plant	2209	9111	14233	12658	11143	13640	27684	49772	75867	87812	79375	70606	67464	68708	21915

Combined total of plant and ACP samples tested from 2008 – 2023 is 1,163,567.

Table 1. Tally of positive sites, positive trees, and CLas+ ACP samples by county and city as of 5/4/2023.

HLB Positive Detections

City	# Sites	# Trees	# ACP samples
Orange County			
Garden Grove	574	838	96
Santa Ana	519	705	92
Anaheim	605	951	150
Westminster	353	578	20
Orange	189	232	39
Tustin	28	27	10
Fountain Valley	9	16	2
Huntington Beach	25	28	2
Placentia	30	32	11
La Habra	5	6	1
Fullerton	11	15	6
Yorba Linda	6	4	5
Irvine	6	6	3
Costa Mesa	5	4	3
Brea	1	1	0
Buena Park	4	7	1
Cypress	5	0	5
Stanton	2	1	1
Midway City	3	6	0
Los Alamitos	1	0	1
Total	**2381**	**3457**	**448**
Los Angeles County			
Whittier	196	237	43
Pico Rivera	164	226	64
Montebello	72	99	2
San Gabriel	67	83	7
Rosemead	36	48	7
Paramount	29	35	5
La Mirada	49	67	6
La Puente	28	31	7
Norwalk	15	12	5
Cerritos	7	7	4
Hacienda Heights	4	4	1
Lakewood	5	6	0
Duarte	50	75	3
El Monte	39	54	8
South El Monte	21	37	4
Alhambra	1	1	0
Temple City	4	3	2
Compton	1	1	0
Glendora	1	0	1
South Gate	7	8	4
Long Beach	7	7	3
Los Angeles	1	0	1
Downey	13	17	5
Carson	4	3	1
Monrovia	19	26	0
Rowland Heights	2	0	2
Pomona	10	13	2
Artesia	2	2	0
Bellflower	2	2	0
Monterey Park	1	1	0
West Covina	1	0	1
City of Industry	1	1	0
Total	**859**	**1106**	**188**
Riverside County			
Corona	76	118	19
Riverside	26	28	5
Eastvale	2	2	0
Jurupa Valley	17	19	4
Moreno Valley	1	1	0
Total	**122**	**168**	**28**
San Bernardino County			
Rancho Cucamonga	3	7	2
Montclair	8	7	1
Colton	6	11	3
San Bernardino	2	1	1
Ontario	95	166	20
Fontana	26	33	9
Chino	16	21	2
Total	**156**	**246**	**38**
San Diego			
Fallbrook	1	0	1
Oceanside	4	9	4
Pauma Valley	1	0	1
Vista	1	0	1
San Diego	15	21	0
Total	**22**	**30**	**7**
Grand Total	**3540**	**5007**	**709**

Table 2. Percent positives per county

County	Sites	Trees	ACP
Orange	67.3%	69.04%	63.2%
LA	24.3%	22.09%	26.5%
Riverside	3.4%	3.36%	3.9%
San Bernardino	4.4%	4.91%	5.4%
San Diego	0.6%	0.60%	1.0%
Total	100%	100%	100%

Table 3. Tally of positive samples from Risk-based and HLB Response surveys.

Sample type	Trees		ACP	
Risk-based Survey	407	8%	442	62%
HLB Response	4600	92%	267	38%
Total	5007	100%	709	100%

Table 4. Annual tally of CLas positive trees and ACP samples per city from 2012 – 2023 as of 5/4/2023
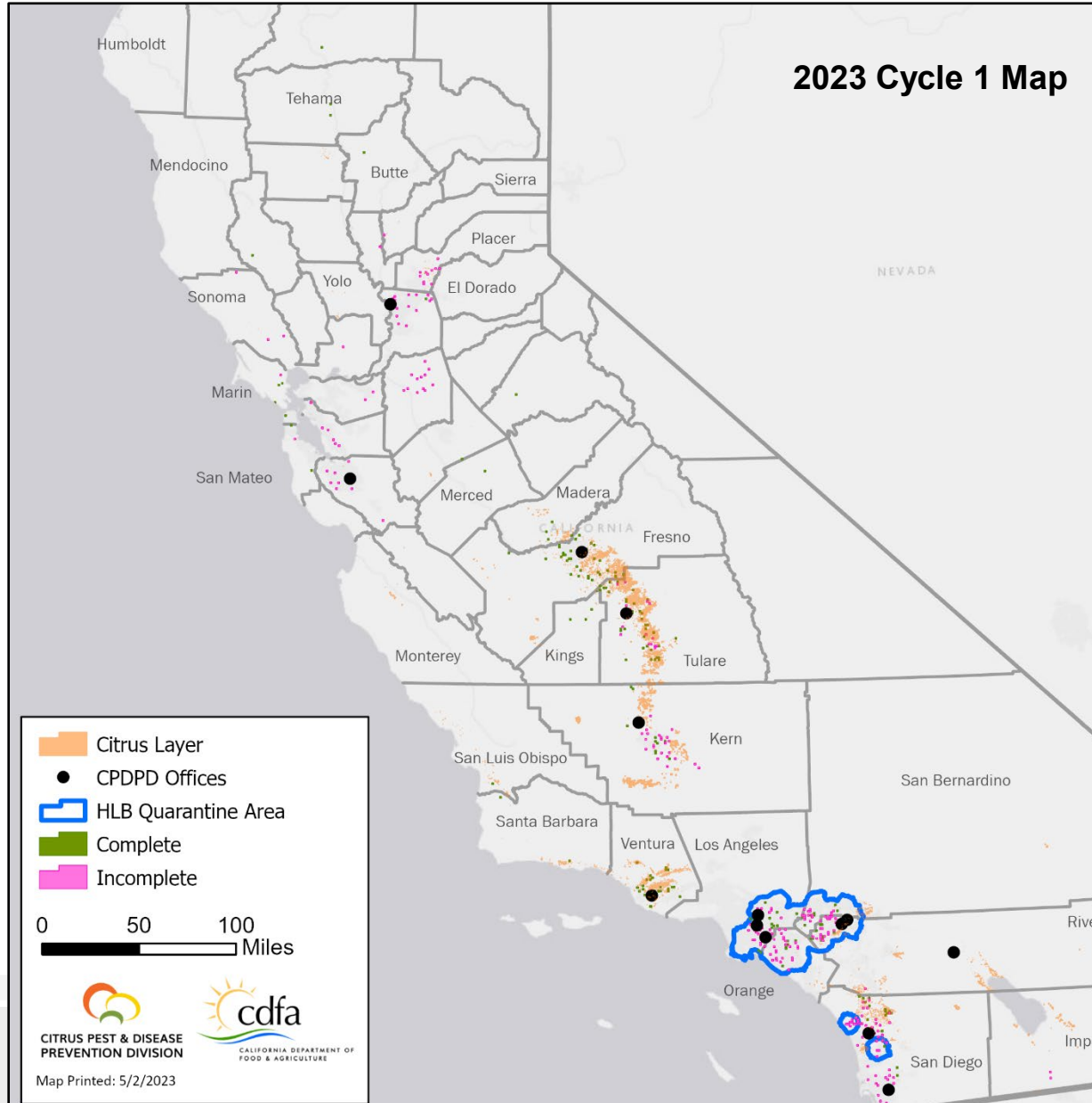
County	Total CLas+ Plant	Total CLas+ ACP
Orange	3457	448
Los Angeles	1106	188
Riverside	168	28
San Bernardino	246	38
San Diego	30	7
Grand Total	5007	709

CLas Detections in Plants and ACP

City	2012		2015		2016		2017		2018		2019		2020		2021		2022		2023		Total	
	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP	Plant	ACP
Anaheim							132	57	109	9	90	20	21	3	200	11	257	19	142	31	951	150
Garden Grove							13	5	348	43	115	8	116	1	34	5	140	2	72	32	838	96
La Habra							1	-	-	-	2	1	-	-	-	-	1	-	2	0	6	1
Fullerton							1	-	-	1	-	-	-	-	-	1	4	-	10	3	15	6
Santa Ana							-	2	44	5	168	13	217	16	99	13	71	8	106	35	705	92
Westminster							-	1	15	4	175	6	3	-	39	5	331	3	15	1	578	20
Yorba Linda									1	2	-	-	1	-	-	-	-	-	2	3	4	5
Orange							31	4	14	3	36	3	43	1			37	8	71	20	232	39
Tustin							5	1	8	2	1	-	-	-	-	-	1	-	12	7	27	10
Huntington Beach									6	-			2	-	17	1	-	1	3	0	28	2
Placentia											7	2			-	-	1	1	24	8	32	11
Fountain Valley													10	-	-	-	1	2	5	0	16	2
Irvine													1	1	1	1	4	1	0	0	6	3
Costa Mesa																	1	2	3	1	4	3
Brea																			1	0	1	0
Buena Park																	7	1			7	1
Stanton																	1	1			1	1
Midway City																	6	0			6	0
Cypress							continue to monitor													5		5
Los Alamitos							continue to monitor													1		1
Hacienda Heights	1	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	1	-	1	0	4	1
San Gabriel			10	3	17	-	33	3	10	-	6	-	-	-	-	-	6	1	0	0	83	7
Cerritos					1	2	1	-									-	-	5	2	7	4
Pico Rivera					67	35	35	1	18	-	10	-			1	-	28	26	67	0	226	64
Whittier							18	6	80	10	23	2	21	1	35	4	52	19	8	1	237	43
La Puente							-	1	-	-	3	-	-	-	-	-	8	6	20	0	31	7
Lakewood									1	-	1	-			4	-	-	-	0	0	6	0
Norwalk							-	2	1	-	-	-	2	-	1	1	4	2	4	0	12	5
Rosemead							-	1	17	-	11	3	-	-	-	-	9	3	11	0	48	7
Duarte							2	1	-	-					-	-	42	2	31	0	75	3
Temple City											1	1	-	-	-	-	1	1	1	0	3	2
Montebello											84	1	4	-	-	-	11	1	0	0	99	2
El Monte											1	-	1	1	-	-	18	7	34	0	54	8
Compton											1	-	-	-	-	-	-	-	0	0	1	0
Alhambra											1	-					-	-	0	0	1	0
La Mirada													7	4	6	-	33	2	21	0	67	6
Paramount													11	2	8	1	15	2	1	0	35	5
Long Beach													2	2	-	-	5	1	0	0	7	3
South Gate													1	2	-	-	4	3	2	0	8	4
Downey																	14	4	3	1	17	5
Carson																	3	1	0	0	3	1
Monrovia																	19	-	7	0	26	0
Pomona																	12	2	1	0	13	2
South El Monte																	25	4	12	0	37	4
Artesia																	1	-	1	0	2	0
Bellflower																	2	-	0	0	2	0
Monterey Park																	1	-	0	0	1	0
Glendora							continue to monitor				1										1
Rowland Heights							continue to monitor										2				2
Los Angeles							continue to monitor							1							1
West Covina							continue to monitor												1		1
City of Industry																	1				1	0
Riverside							3	3	-	-	4	0	6	1	8	0	6	1	1	0	28	5
Corona											15	9	4	1	11	0	69	9	19	0	118	19
Eastvale											1	0	-	-	-	-	-	-	1	0	2	0
Moreno Valley											1	0	-	-	-	-	-	-	0	0	1	0
Jurupa Valley															1	0	13	4	5	0	19	4
Montclair											2	0	2	0	2	0	-	-	1	1	7	1
San Bernardino									-	1			1	0	-	-			0	0	1	1
Ontario											-	1	1	0	64	10	48	6	53	3	166	20
Colton											-	1	4	2	7	0	-	-	0	0	11	3
Rancho Cucamonga											5	2	2	0	-	-			0	0	7	2
Fontana													-	3			27	6	6	0	33	9
Chino																	16	2	5	0	21	2
Oceanside															9	4	-	-	0	0	9	4
San Diego																			21	0	21	0
Fallbrook							continue to monitor						1								1
Pauma Valley							continue to monitor												1		1
Vista							continue to monitor												1		1
Total	1	1	10	3	19	3	269	116	699	82	756	75	488	44	598	59	1342	166	825	160	5007	709

Risk Research Survey Update
Operations Subcommittee Meeting
May 10, 2023

2023 Cycle 1

2023 Cycle 1 Map

Legend:
- Citrus Layer
- CPDPD Offices
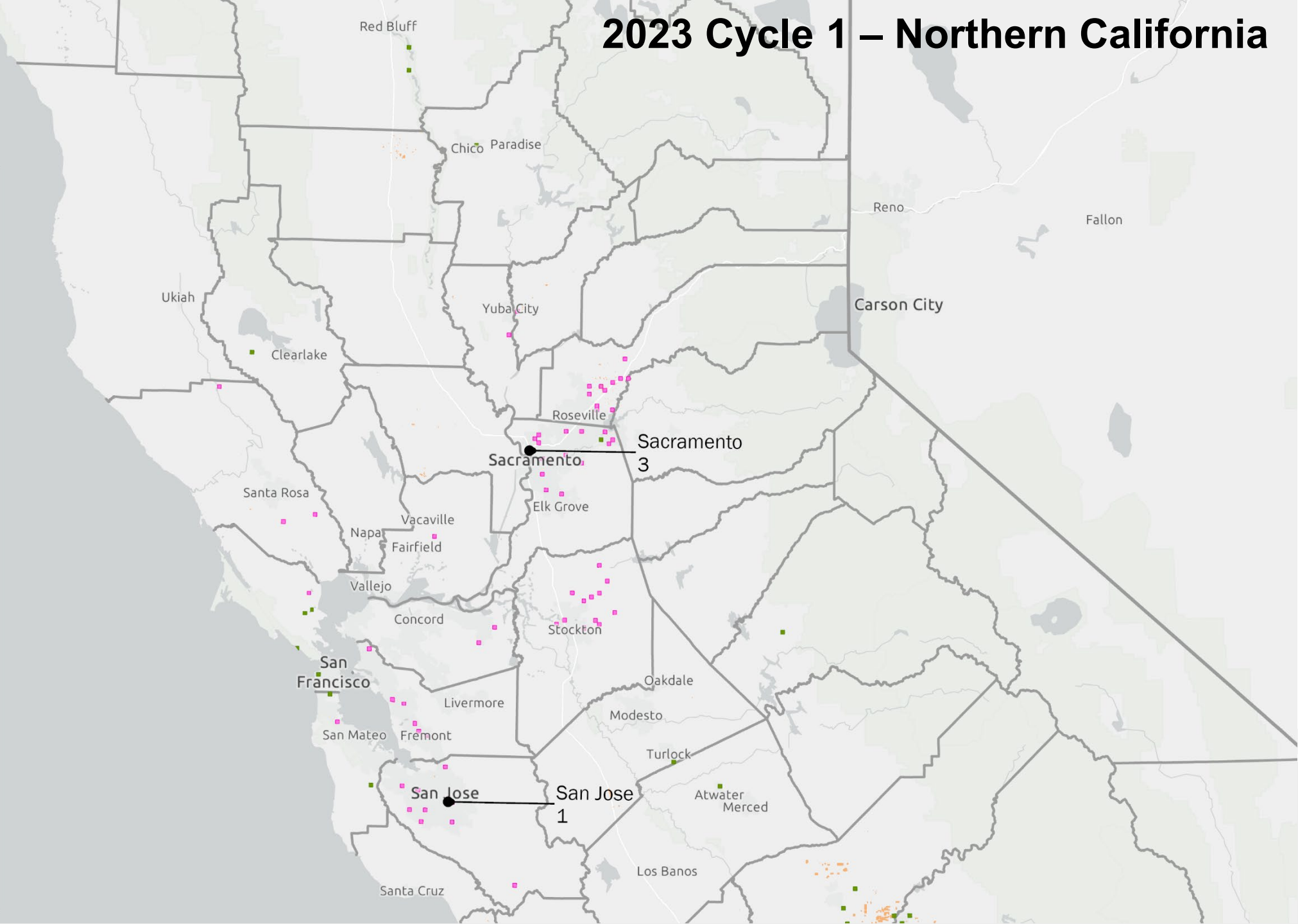- HLB Quarantine Area
- Complete
- Incomplete

0   50   100 Miles

CITRUS PEST & DISEASE PREVENTION DIVISION

cdfa
CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

Map Printed: 5/2/2023

- Began February 2023
- 43% Complete
- Survey Complete in 14 of 34 Allocated Counties
- 3,466 Properties Visited
- 1,262 Properties Sampled
- 577 Entomology PDRs
- 913 Plant PDRs

2023 Cycle 1 – Central California

2023 Cycle 1 – Southern California

Citrus Layer

Risk Survey Staff / Office

HLB Quarantine Area

Complete

Incomplete

0   20   40
Miles
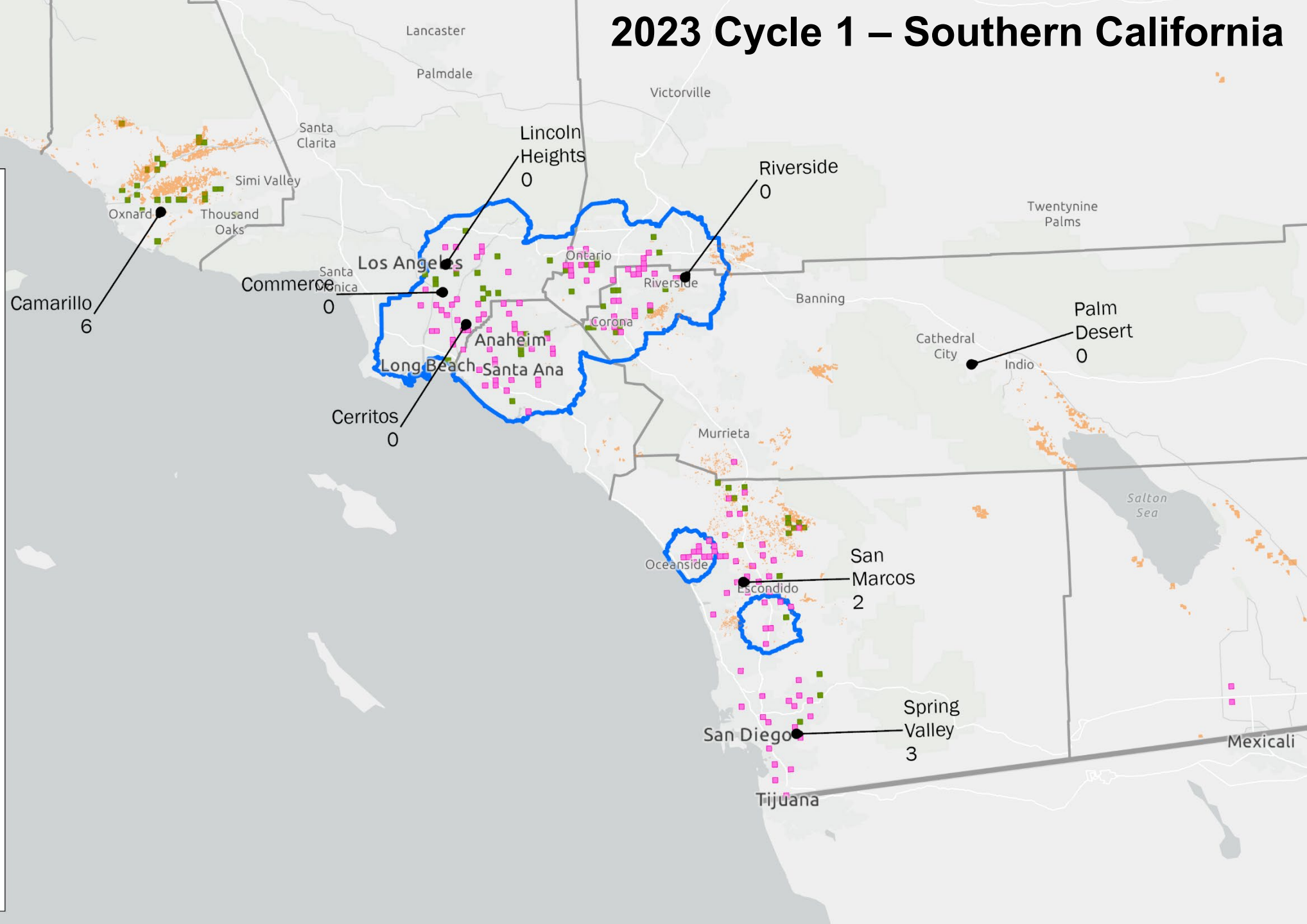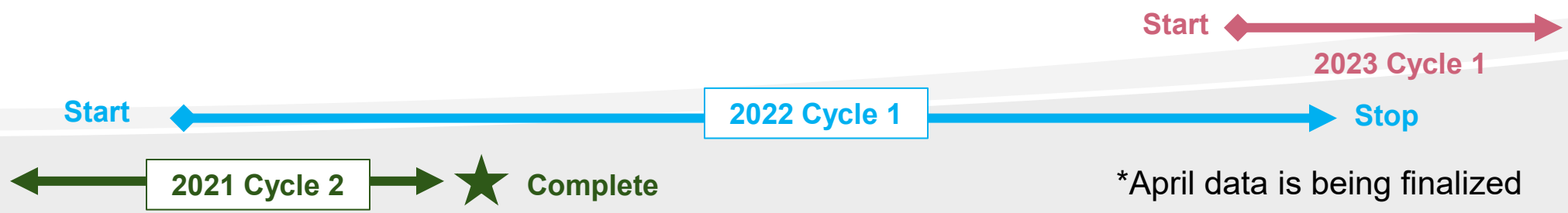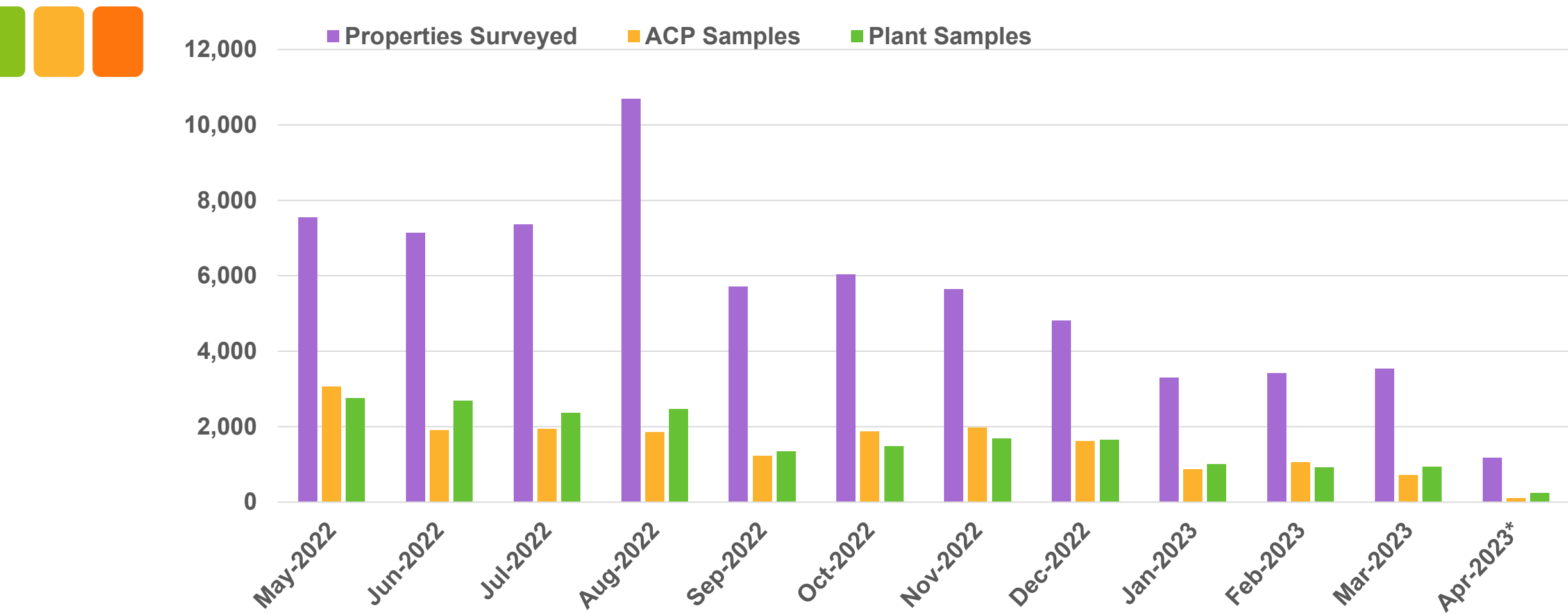
CITRUS PEST & DISEASE PREVENTION DIVISION

cdfa
CALIFORNIA DEPARTMENT OF FOOD & AGRICULTURE

Map Printed: 5/2/2023

Lincoln Heights
0

Riverside
0

Commerce
0

Camarillo
6

Palm Desert
0

Cerritos
0

San Marcos
2

Spring Valley
3

Statewide Trends (2021 Cycle 2, 2022 Cycle 1, and 2023 Cycle 1)

*April data is being finalized

HLB Treatment Updates

Southern District   May 10, 2023

Treatment Updates

- Delimitation treatments were conducted in the following areas:
  - San Diego, Corona, Ontario, Chino, Fontana, Long Beach, Bellflower, La Mirada, Rosemead, La Puente, Norwalk, Downey, Buena Park, Anaheim, Fountain Valley, and Garden Grove.

- Multiple Public meetings:
  - To treat delimitation areas in Riverside and San Bernardino Counties: March 28 and May 10, 2023.
  - To treat delimitation areas in Los Angeles and Orange Counties: March 29, April 26, and May 31, 2023.
  - To treat delimitation areas in San Diego County: March 14, April 4, and May 11, 2023.

HLB Delimitation Treatments I

Areas	Total Properties	Properties Treated	No Host Properties	Refusals/ No Contact	Completion
San Diego (1-6)	991	277	708	8/0	100%
Ontario (16-22)	1,102	474	563	17/46	97%
Fontana (10-13)	307	165	85	2/51	82%
Whittier(53, 55-57)	321	138	147	17/19	100%
Rosemead (1,4,7-8,11)	832	366	439	17/10	100%
Downey (2-3)	352	163	165	10/13	100%
Norwalk (10)	253	117	113	4/13	98%
La Mirada (15)	21	8	13	0/0	100%

HLB Delimitation Treatments II

Areas	Total Properties	Properties Treated	No Host Properties	Refusals/ No Contact	Completion
Long Beach (2,5-7)	754	284	401	26/43	100%
Bell Flower (1-2)	450	153	280	6/7	100%
Pico Rivera (13-14,18)	441	191	237	7/5	100%
La Puente(9)	338	91	225	1/21	100%
Anaheim (104)	151	93	49	5/4	100%
Anaheim (5,20,47)	902	330	528	22/18	100%
Garden Grove (65-66)	171	87	37	12/2	81%
Buena Park (1-2)	290	72	201	6/11	100%

Southern District Staffing Updates

County	Permanent	Seasonal	Pending Hiring	Hiring Status
Los Angeles	29	6	One PPA I, and seven seasonal staff	Hiring Freeze; all advertised and closed
Orange	11	1	One PPA III, three PPA I, one PPA I (LT),and eight seasonal staff	Hiring Freeze; Advertisement closed for two PPA I, and the rest pending advertisement
Riverside and San Bernardino	18	10	Five PPA I (LT), one PPA III and eight seasonal staff	Hiring Freeze
San Diego and Imperial	17	1	One ES, and three PPA I (LT)	Hiring Freeze

Staff Distribution By Projects

Counties	Delimitation and other Surveys	ACP/HLB Treatments and Tree Removals	ACP/HLB Regulatory
Los Angeles and Orange	27	17	3
Riverside and San Bernardino	15	9	4
San Diego and Imperial	11	5	2

**Central District Update
Operations Subcommittee Meeting
May 10, 2023**

Central District Update

CDFA Citrus Districts and Managers

- Kern County had three ACP detections from March 3, 2023 – May 3, 2023
  - Most of the areas to be treated in Kern have been completed
  - Some follow up for appointments needed, and the County to help with refusal properties

- Monterey County had two ACP detections from March 3, 2023 – May 3, 2023
  - Weather (rain and wind) has had a huge impact on completing this project
  - Staff will be attempting treatment again the week of May 1, 2023

*Detections = PDR's, not individual ACP counts

Central District Update

- **Biocontrol releases**

County	March	April	Total
Kern	9,000	4,000	13,000
Monterey	6,400	3,200	9,600
San Luis Obispo	3,300	0	3,300
Santa Barbara	6,500	5,200	11,700
Grand Total	**25,200**	**12,400**	**37,600**

Central District Update - Projects

Office	Survey	Trapping	Treatment
Fresno	5	5	2
Visalia	3	5	0
Shafter	2	2	2
Camarillo	8	0	1

Central District Update - Staffing

County	Total Perm Staff (current)	Pending Hiring (vacancies)	Hiring Status
Fresno County (Fresno)	11	1 SESS 1 ES	In process
Kern County (Shafter)	6	2 PPA I	In process
Tulare County (Visalia)	9	1 PPA I	In process
Tulare County (Visalia Regulatory)	1	--	--
Ventura County (Camarillo)	9	1 ES 1 PPA III 1 PPA I	In process

Northern District Update
Operations Subcommittee Meeting
May 10, 2023

Northern District Update │ ACP Trapping

General Detection

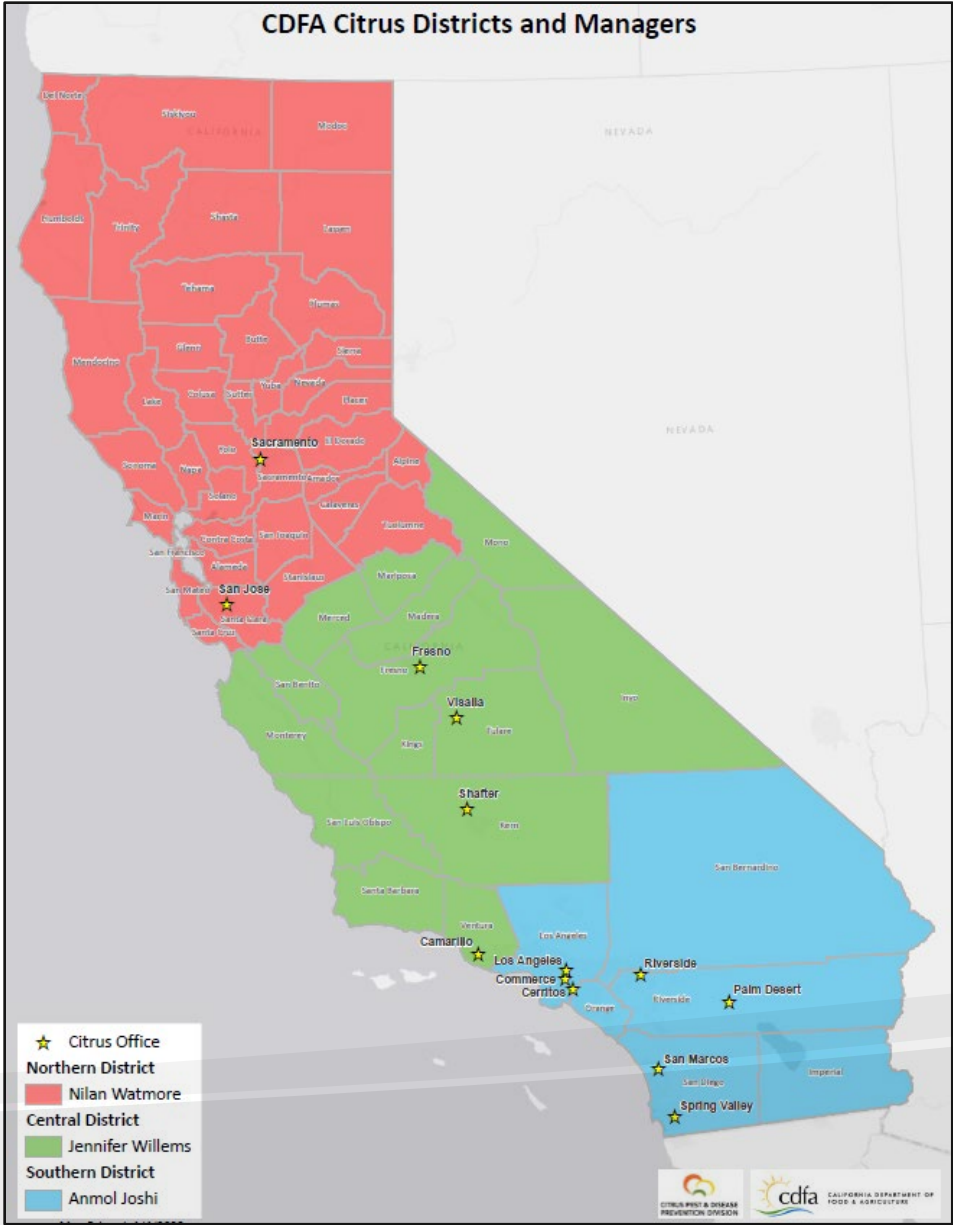| Entity	Type	Number of Counties	Number of Traps
County	Commercial	3	139
County	Residential (YR)	3	1350
County	Residential (W)	14	5473
State (CDFA)	Residential (W)	5	1393

Delimitation & Treatment

- San Joaquin County – 43 delimitation traps
- Sonoma County – 55 delimitation traps
- Santa Clara County – 606 delimitation traps
- No new treatments since last update on March 8

ACP Trapping
- CDFA
- County (Winter)
- County (Year-round)
- CPDPD Administrative District
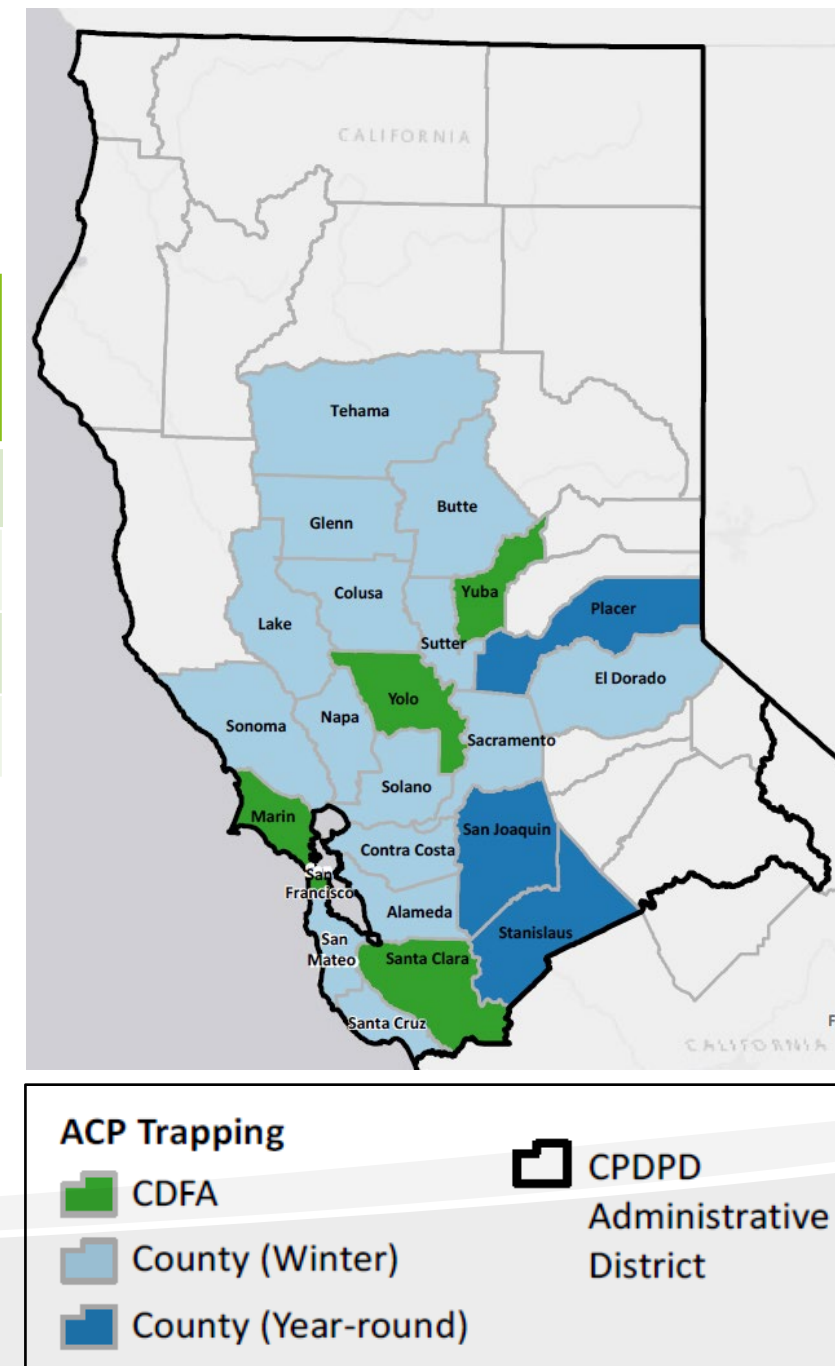
Northern District Update │ HLB Risk-Based Survey

2023 Cycle 1 Counties	
Alameda	Santa Clara
Butte	Shasta
Contra Costa	Solano
Lake	Sonoma
Marin	Stanislaus
Placer	Sutter
Sacramento	Tehama
San Francisco	Tuolumne
San Joaquin	Yuba
San Mateo	

Summary	
Percent Complete	18%

CDFA Citrus Districts and Managers

★ Citrus Office
Northern District
■ Nilan Watmore
Central District
■ Jennifer Willems
Southern District
■ Anmol Joshi

Northern District Update | Staffing

Classification	Total Perm Staff (current)	Pending Hiring (vacancies)	Hiring Status
Senior Environmental Scientist (Supervisory)	4	0	
Senior Environmental Scientist (Specialist)	1	0	
Environmental Scientist	8	1	To be advertised/filled after July 1, 2023
Research Data Specialist I	1	0	
APC Specialist	1	0	
Pest Prevention Assistant III	1	0	
Pest Prevention Assistant II	5	0	
Pest Prevention Assistant I	6	2	To be advertised/filled after July 1, 2023

Grower Liaison Update

CPDPC Operations Meeting

May 10, 2023

Teri Blaser

- **Fresno, Madera, Northern Tulare Counties**
  - Teri continues to recruit team leaders for Northern Tulare, Fresno, and Madera Counties.
  - Grower updates to all three areas are being sent on a monthly basis.
  - An update on the status of ACP finds (no finds) for all three areas was given at the Central California Tristeza Eradication Agency Board of Commissioners meeting in April.

Jessica Leslie

- **Southern Tulare County**
  - No new ACP detections in Southern Tulare County in 2023.
  - Attended and presented at the SJV Taskforce meeting and the CCTEA Board meeting.
  - Participated on ICS calls for CYVCV.
  - Spoke with new growers and added them to the monthly e-mail update list.

Cressida Silvers

- **All Counties**
  - Monthly email updates and AW treatment reminders where applicable
  - Respond to industry member emails and phone calls
  - CPDPP Committee and Subcommittee meetings

- **Santa Barbara County**
  - reconcile PURs from the CAC, update grower file
  - met with new CAC, plan grower meeting

- **San Luis Obispo County**
  - No new detections since December report
  - Consulted with CAC regarding grower meeting, outreach needs

- **Ventura County (with Sandra Zwaal)**
  - AW Summer treatments started
  - support PH rep with presentation

Sandra Zwaal

- **General GL Activities**
  - HLB Working Group
  - GL Standard Operating Procedure (SOP)
  - Monthly GL Newsletters/Eblasts
  - CPDPC Meetings – Full Committee, Operations/Science and Outreach
  - CAPCA Spring Summit
  - PUR, Grove, Grower, and Email Data Updates
  - Grower, PCA, PCO, and Grove Manager Communication
  - Ground Truth
  - Review HLB Maps

- **Ventura County (with Cressida Silvers)**
  - Saticoy Lemon' Semi-Annual Packinghouse Meeting
  - Grower List Setup - 2023 Treatments and Treatment Windows
  - ACP Areawide Treatment Percentages

Sandra Zwaal

- **San Diego County**
  - No additional commercial properties in the 250-m delimitation or the HLB quarantine
  - Researched properties near the HLB quarantine
  - ACP Areawide Treatment Percentages
  - San Diego Co. PCD Meeting

- **Riverside County**
  - HLB Hotspots - Corona and Jurupa Valley
  - 2023 ACP Areawide Treatment Schedule
  - ACP Areawide Treatment Percentages
  - Coachella Valley HOAs (near the PCD)
  - Hemet PCD, Coachella PCD, and the Riverside Farm Bureau Meeting
  - Grower Meeting Planning

- **San Bernardino County**
  - HLB Hotspots - Ontario and Fontana.
  - 2023 ACP Areawide Treatment Schedule
  - ACP Areawide Treatment Percentages
  - ACP Task Force and San Bernardino Farm Bureau Meeting
  - Grower Meeting Planning

Curtis Pate

- **Imperial County**
  - There have been no ACP trap hits since early March.
  - Since early March the only canine detections of ACP has been in the residential/commercial interface.
  - Commercial thrip treatments have likely contributed to lower populations.
  - Residential populations have justified release of lacewing by the ICCPCD.

ACP DETECTOR CANINES UPDATE

CPDPC Operations Sub-Committee

May 10, 2023

WHERE MAN'S BEST FRIEND FINDS IT!

PEST CONTROL – AGRICULTURE – FOOD SAFETY

Direct Comparison with Human Scouts Trial
Research Projects on the Coast

- Objectives
  - Compare current scouting programs done by a PCA to canine assisted ACP scouting at two ranches in Santa Barbara County and Ventura County.
  - Analyze the effectiveness of ACP area wide treatments and the products applied utilizing the scouting data from the PCA reports and Canine Detection Services reports.
  - Analyze the role Canine Detection Services reports have in grower decision making.
- Trials are completed and Neil McRoberts is now analyzing the data.

CDFA ACP Detection Canine Working Group Progress Report

1. Jennifer- CDFA management team meeting was convened to discuss where in the program they believe they can use the dogs.
   a. The budget and food safety documents provided by Lisa were reviewed
   b. It was decided they will need to have a follow-up meeting.
   c. The follow up meeting will take place after the committee meeting.
2. Lisa- Development of a Food Safety Risk Assessment review by the working group is complete and has been submitted to Primus GFS for pre-approval by Kevin Ball.
3. A detector canine comparative budget was completed with the assistance of Greg Parra.

Detector Canine Cost Comparison
Annual Expenses Per Team

	Canine Detection Services ACP Dogs	F1-K9 HLB Dogs	USDA- APHIS Food and Plant Dogs
Direct Expenses Per Team	$160,030	$359,229	$323,467
Total Cost Per Team	$319,405[1]	$750,023[2]	$363,636[3]
Current Status	Operational	Permanently Closed	Operational

1. Includes Overhead & ACP Lab.
2. $1,470,051 budget supported 2 working canine teams in California.
3. $4,000,000 budget for 11 canine teams working in California.

The full budget and actual expenses were reviewed by the working group and is available upon request.

Detector Canine Cost Comparison
Training New Replacement Detection Dogs

	Canine Detection Services ACP Dogs	USDA- APHIS Food and Package Dogs
Cost to Train 1 Replacement Dog	$77,495	$74,500
Cost Per Team w/ Training New Dogs	$396,900	$438,136

The current ACP dogs are 5-7 years old.

USDA automatically retires all detection dogs at 9 years of age.

Discussion Points

1. Budget comparison

2. Is this committee interested in paying for the ACP Detector Canine Program to work within CPDPP?

3. If so, what steps need to be taken at this meeting.

   1. It might be possible to request CHIRP funds go directly to Canine Detection Services to avoid the issues previously encountered by CDFA's RFP process for "Rapid screening for ACP, Central Valley" in 2021.

Data Department Update

Rick Dunn

CRB Director of Data and Information Management

5/10/2003

Data Management Department Activity,

May 10, 2023
Richard Dunn - Data, Information & Management Director
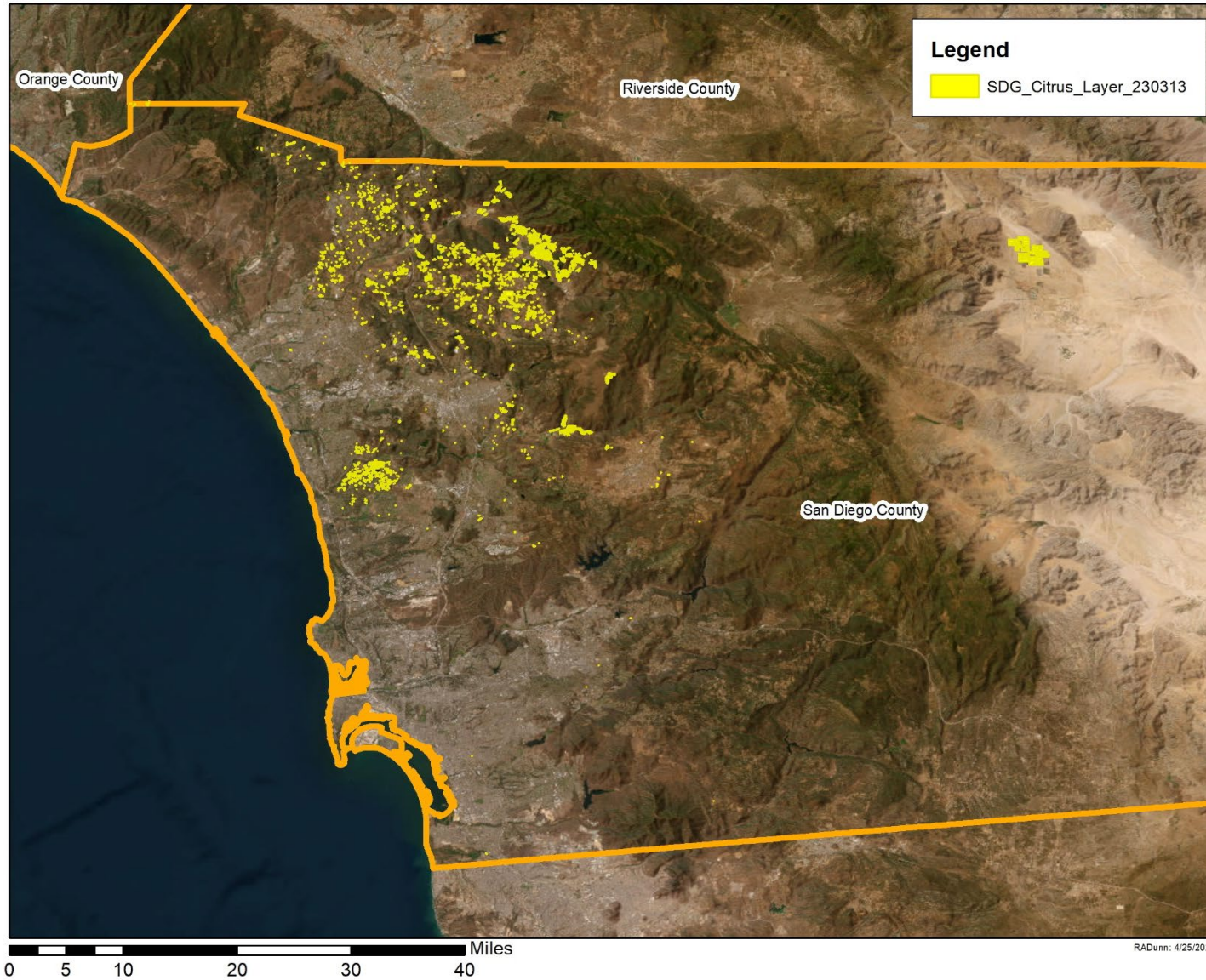
UCKAC GIS Facility

– Robert Johnson continues to assist with Statewide Citrus Layer maintenance and keeping the public UCANR interactive web map updated with ACP, Biocontrol, CLas+ACP, and HLB detection data. http://ucanr.edu/acpmap
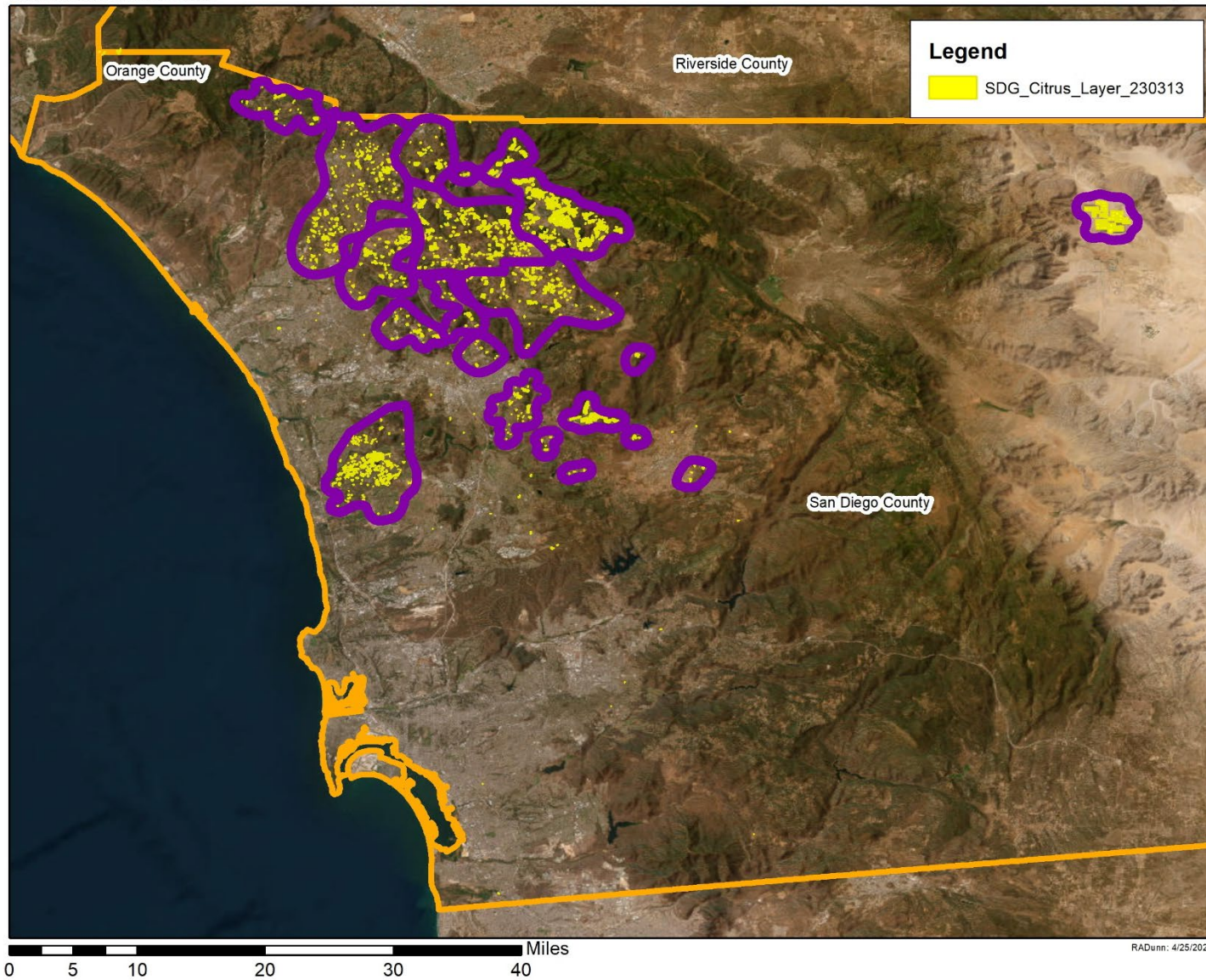
CRB Data Department

– Director is supporting Psyllid Management Area group activities and regional ACP / HLB Task Force groups in various counties with mapping support services. Revising the Statewide Commercial Citrus Layer as information is received. San Diego and Kern counties have been completed. Tulare County is in progress. Director's proposal for modification of the Area Wide buffer trapping schedule was approved by CPDPC and implementation begins in August. Director is collaborating with CDFA PDAS and CPDPD GIS staff on development of a NOMAD replacement system. Testing of the new iPhone trapping app is in progress.

– GIS Analyst Nancy Ying is conducting routine data scrubbing, quality control, and map production tasks.

– Staff continue to support the CPDPP commercial grove trapping / sampling program. Supplying trappers with individualized GIS Trapsite and Samplesite layers updated weekly for use on their NOMADs. We produce and distribute ACP / HLB detection overview maps, PDR 800M maps, Biocontrol Workgroup activity maps, CPDPP Trapping progress maps, CPDPP Sampling progress maps, Trapping catch per day maps, Sampling close-up maps, and ArcGIS Online detection / collection heat maps, as well as monthly summary data, ACP situation data, and statistical reports.
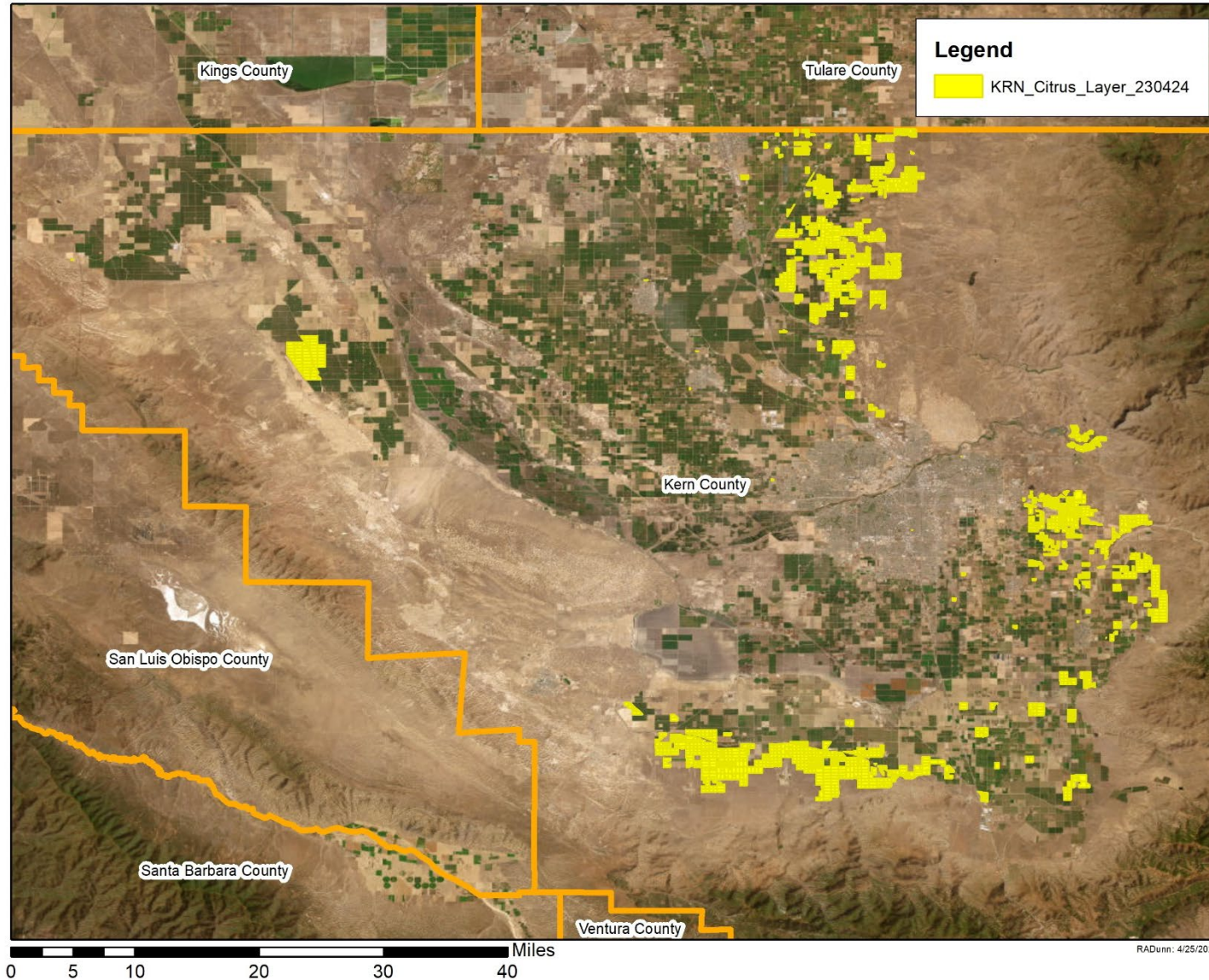
San Diego County Citrus Layer

Legend

SDG_Citrus_Layer_230313

- 2,495 blocks mapped
- 8,478 acres total (based on GIS)
- 276 Pesticide Use Permits

CITRUS PEST & DISEASE PREVENTION DIVISION
CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE

Orange County

Riverside County

San Diego County

Miles
0   5   10   20   30   40

RADunn: 4/25/2023

San Diego County Citrus Layer

Legend
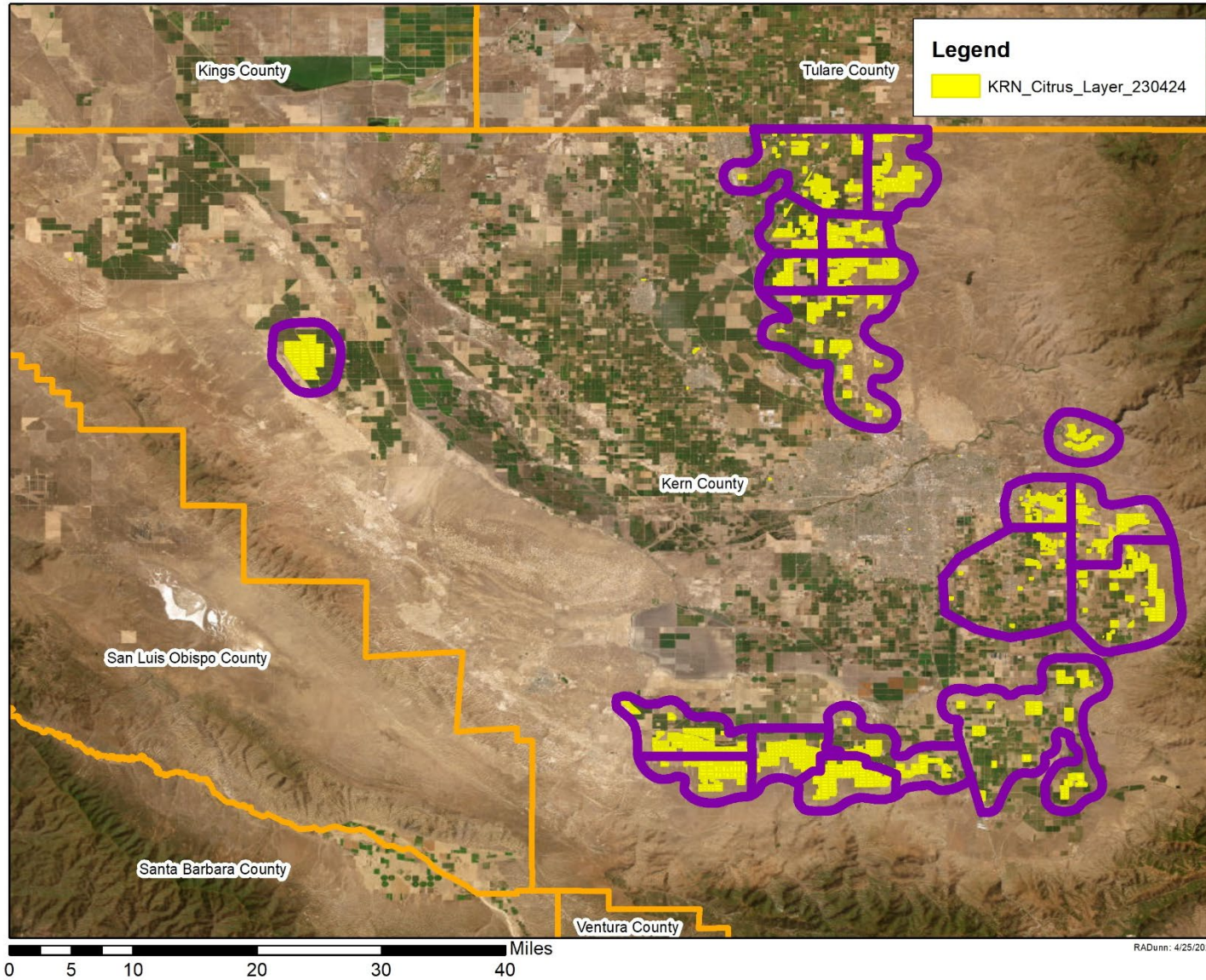
SDG_Citrus_Layer_230313

- 20 Psyllid Management Areas (PMAs)

Kern County Citrus Layer

- 2,593 blocks mapped
- 68,138 acres total (based on GIS)
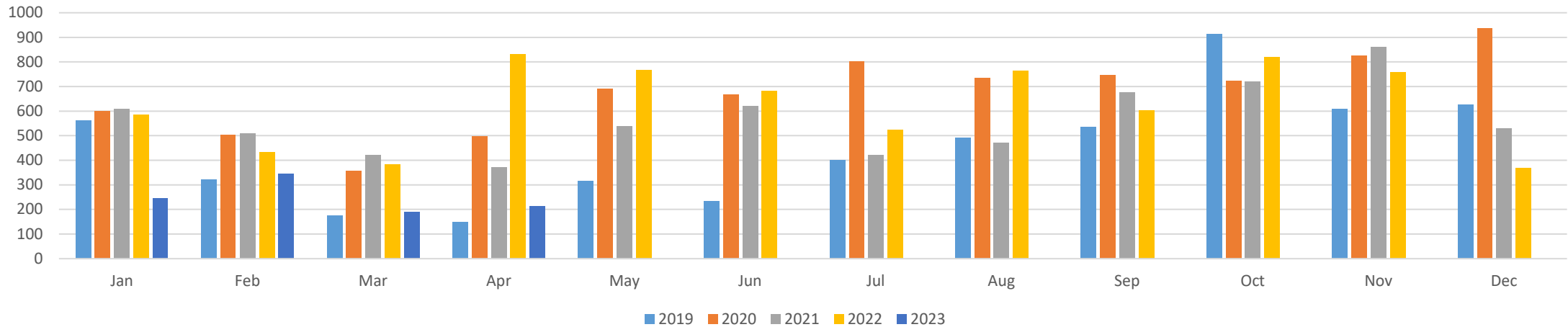- 109 Pesticide Use Permits

Kern County Citrus Layer
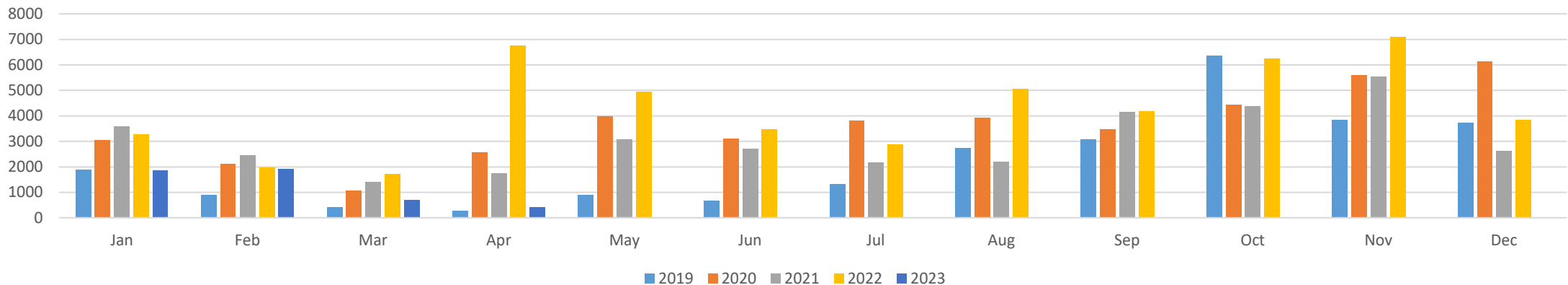
- 19 Psyllid Management Areas (PMAs)

CPDPD Commercial Grove Sampling Program
May 2023 update

Suspect ACP Collection Events

Suspect ACP Collected
for Testing

CPDPD Commercial Grove Sampling Program
March 2023 update

Suspect ACP Collection Events

Suspect ACP Collected for Testing

AW Buffer Traps in use