

**California Department of Food and Agriculture**

**Integrated Pest Control Branch**

**Cotton Pest Control Program**

## **California Cotton Pest Control Board**



**Spring Meeting**

**May 18, 2023**

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California Department of Food and Agriculture  
**California Cotton Pest Control Board**

**BOARD MEETING AGENDA**  
**Thursday, May 18, 2023 at 9:30 a.m.**

California Department of Food and Agriculture  
 Integrated Pest Control Branch, Fresno Office  
 2895 N. Larkin, Suite A  
 Fresno, CA 93727

**Zoom Meeting Information:**

Meeting Link: <https://us02web.zoom.us/j/81528883123>

Meeting ID: 815 2888 3123

Passcode: ccpcb01!

All matters noticed on this agenda may be considered for action. Items listed on the agenda may be considered in any order at the discretion of the Board Chair. Any item not so noticed will not be considered or discussed. Each of the agenda items may include discussion and possible action by the Board. Time will be allowed for members of the public to make comments on each agenda item. All meeting agendas and notices are available on the California Department of Food and Agriculture website at: <https://www.cdfa.ca.gov/plant/meetings/>

Note: Public comment is possible on any item contained in this agenda. Audience members may address the Board following each agenda item. Each speaker from the audience is limited to three minutes. For information, please contact the Integrated Pest Control Branch, 2895 N. Larkin Suite A, Fresno, CA 93727. (559) 294-2031.

- |                                            |                        |
|--------------------------------------------|------------------------|
| <b>1. Call to Order/Introductions</b>      | Chairman Ted Sheely    |
| <b>2. Roll Call</b>                        | Kaitlyn Beames, CDFA   |
| <b>3. Review of Minutes</b>                | Chairman Ted Sheely    |
| <b>a. December 1, 2022 Meeting Minutes</b> |                        |
| <b>4. Board Vacancy</b>                    | Lauren Murphy, CDFA    |
| <b>5. District Reports</b>                 | Chairman Ted Sheely    |
| <b>6. Program Updates</b>                  | Emily Schoenborn, CDFA |
| <b>a. Pink Bollworm Trap Monitoring</b>    |                        |

- b. **Silverleaf Whitefly Survey**
  - c. **Cotton Seed Bug Survey**
  - d. **Navel Orangeworm Project** Lauren Murphy, CDFA
- 7. Fiscal Matters** Canh Nguyen, CDFA
- a. **2022/2023 Actual Budget Expenditures**
  - b. **2022/2023 Received and Projected Revenue**
  - c. **Fund Condition Statement**
  - d. **Interest Rate Options for BofW Account**
  - e. **Cotton Seed Bug Survey Funding**
  - f. **2023/2024 Proposed Budget**
  - g. **2023/2024 Fund Agreement**
- 8. Cotton Bale Assessment Rates** Chairman Ted Sheely
- 9. Cotton Regulations** Michelle Dennis
- 10. Public Comments on Matters Not on the Agenda**
- 11. Agenda Items for Future Meetings**
- 12. Adjourn**

#### AMERICAN WITH DISABILITIES ACT

Persons needing a disability-related accommodation or modification in order to attend or participate in any Board or Committee meeting or other Board activity may request assistance by contacting Kaitlyn Beames at (559) 294-2031. Providing your request at least five (5) business days before the meeting will help ensure availability of the requested accommodation.

California Department of Food & Agriculture  
 Integrated Pest Control Branch  
**CALIFORNIA COTTON PEST CONTROL BOARD**  
 2895 N. Larkin Ave. Suite A  
 Fresno, CA 93727  
 Conference Room  
**December 1, 2022**  
**DRAFT MINUTES**

**MEMBERS PRESENT**

Chad Crivelli\*  
 Gary Martin  
 Joey Mendonca  
 Ted Sheely  
 Bill Stone  
 Gregg Watte

**MEMBERS ABSENT**

Andrew Clark  
 Bob Hull

**CDFA PERSONNEL**

Kaitlyn Beames  
 Lauren Murphy  
 Canh Nguyen  
 Emily Schoenborn

\*Participated via zoom

**GUESTS**

Melissa Cregan, Fresno County Agricultural Commissioner's Office\*  
 Chris McLoughlin, California Cotton Ginners and Growers Association\*  
 Lynda Schrupf, Kings County Agricultural Commissioner's Office

**INTRODUCTIONS**

The California Cotton Pest Control Board (Board) Meeting was convened at 9:38 am by Board Chairman, Ted Sheely, and introductions were made.

**BAGLEY-KEENE OPEN MEETING ACT**

The meeting was held in compliance with the Bagley-Keene Open Meeting Act.

**REVIEW OF MINUTES**

The Board reviewed and approved the minutes from the California Cotton Pest Control Board (CCPCB) meeting that took place on May 5, 2022.

**MOTION:**

**Gary Martin moved that the Board approve the minutes from the May 5, 2022, Board meeting. The motion was seconded by Bill Stone and passed with a vote of five yeas. Mr. Crivelli joined the meeting late, after the first motion was already voted on, and therefore did not participate in this motion.**

**VOTES:****YES**

Gary Martin  
 Joey Mendonca  
 Ted Sheely  
 Bill Stone

**NO**

None

**ABSTENTION**

None

Greg Watte

**BOARD VACANCY – Lauren Murphy**

There are currently two Board vacancies. The first vacant position is for a cotton grower in Merced County. The second vacant position is for a public member. A vacancy announcement will be sent out, and resumes will be accepted through April 30, 2023.

**DISTRICT REPORTS**

The Board Members presented brief updates on the 2022 cotton growing season for the various districts.

**PROGRAM UPDATES**

**COTTON PEST CONTROL PROGRAM UPDATES – Emily Schoenborn**

Ms. Schoenborn presented the 2022 Cotton Pest Control (CPC) Program (Program) work plan summary and provided program updates on pink bollworm trap monitoring, silverleaf whitefly survey, and cotton seed bug survey.

Discussion followed.

**NAVAL ORANGEWORM PROJECT UPDATE – Lauren Murphy**

Ms. Murphy provided an update on the Navel Orangeworm (NOW) Project for the 2022 season.

**FISCAL MATTERS**

**2022/2023 ACTUAL BUDGET EXPENDITURES – Canh Nguyen**

The Program's total FY 2022/2023 actual expenditures as of November 2022 were \$439,728.

Discussion followed.

**2022/2023 RECEIVED AND PROJECTED REVENUES – Canh Nguyen**

The Received and Projected Revenue sheet by month for FY 2021/2022 was presented and reviewed. As of November 2022, the revenues received for FY 21/22 were \$619,870. Based on the California Cotton Pest Control Program mapped cotton acreage data for the 2022 cotton growing season, the projected revenues for FY 2022/2023 are \$802,710.

Discussion followed.

**MOTION:**

**Bill Stone moved that the Board accept and approve the Proposed FY 22/23 Fund Agreement authorizing six monthly transfers of \$164,219 from January 15, 2023, through June 15, 2023, as needed. The motion was seconded by Greg Watte and passed unanimously.**

**VOTES:**

**YES**

**NO**

**ABSTENTION**

Chad Crivelli	None	None
Gary Martin		
Joey Mendonca		
Ted Sheely		
Bill Stone		
Greg Watte		

**MOTION:**

**Gary Martin moved that the Board accept and approve the financial documents as presented: CCPCB Current Budget FY 22/23, Past Actual Expenditures, Fund Condition Statement, and Cotton Seed Bug Survey Budget. The motion was seconded by Joey Mendonca and passed unanimously.**

**VOTES:**

<b><u>YES</u></b>	<b><u>NO</u></b>	<b><u>ABSTENTION</u></b>
Chad Crivelli	None	None
Gary Martin		
Joey Mendonca		
Ted Sheely		
Bill Stone		
Greg Watte		

**COTTON BALE ASSESMENT RATES**

The Board briefly discussed the current cotton bale assessment rates and would like to revisit the assessment rates at the next meeting.

**PUBLIC COMMENTS ON MATTERS NOT ON THE AGENDA**

None

**AGENDA ITEMS FOR FUTURE MEETINGS**

- Interest rate options for Bank of the West account
- Research into what the Insurance line item is referring to on the CCPCP Budget
- Funding for cotton seed bug surveys
- Cotton bale assessment rates
- Funding for Arizona Cotton Research and Protection Council lease renewal

The Board agreed upon the following meeting dates for 2023:

- CCPCB Spring 2023 Meeting: Thursday May 18, 2023
- CCPCB Fall 2023 Meeting: Thursday December 7, 2023

**ADJOURN**

Mr. Sheely adjourned the meeting at 11:35 am.

Lauren Murphy  
Secretary to the Board

**California Cotton Pest Control Board**  
**May 18, 2023**

<b><u>MEMBER</u></b>	<b><u>DISTRICT</u></b>	
Andrew Clark	Fresno County	_____
Chad Crivelli	Merced County	_____
Bob Hull	Riverside County	_____
Gary Martin	Fresno County	_____
Joey Mendonca	Kern County	_____
Ted Sheely	Kings County	<u>Chairman</u> _____
Bill Stone	Kings County	_____
Greg Watte	Tulare County	_____
Vacant Position	Cotton Grower	_____
Vacant Position	Public Member	_____

**CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE ANNOUNCES  
VACANCY ON THE CALIFORNIA COTTON PEST CONTROL ADVISORY BOARD**

SACRAMENTO, May 18, 2023 - The California Department of Food and Agriculture's (CDFA) Integrated Pest Control Branch is announcing two vacancies on the California Cotton Pest Control Board.

The Food and Agricultural Code (FAC), Sections 6001-6006.6, authorizes the Secretary to establish the California Cotton Pest Control Board (CCPCB). The Board shall be advisory to the Secretary on matters which pertain to the control of cotton pests and carry out its authority specified in this article as provided in Section 6006. The FAC also authorizes the appointment of a ten-member board that shall consist of at least one cotton grower from each of the major cotton-growing counties in the state, and one member who is not a cotton grower and who represents the public.

There is no set term limit for members that serve on the California Cotton Pest Control Board. The Members receive no compensation but are entitled to payment of travel expenses incurred and necessary to attend Board Meetings in accordance with the rules of the Department of Personnel Administration. Members are considered public officials and must be willing to comply with necessary disclosure requirements.

One vacancy is for a Merced County Cotton Grower representative. The second vacancy is for a Public Member representative that is not a cotton grower. Individuals interested in being considered for a Board appointments should send a brief letter of interest and a completed Prospective Member Appointment Questionnaire with resume to the California Department of Food and Agriculture, Integrated Pest Control Branch, 2895 N. Larkin Ave, Suite A, Fresno, CA 93727, Attention: Lauren Murphy, by November 30, 2023.

For additional information, visit the branch's web page at:

[https://www.cdfa.ca.gov/plant/IPC/pinkbollworm/pbw\\_hp.htm](https://www.cdfa.ca.gov/plant/IPC/pinkbollworm/pbw_hp.htm); or contact:

Michelle Dennis, Branch Chief of the Integrated Pest Control Branch at (916) 262-1102, by fax (916) 262-2020, or e-mail [michelle.dennis@cdfa.ca.gov](mailto:michelle.dennis@cdfa.ca.gov).

**2023 COTTON PEST CONTROL PROGRAM  
WORK PLAN SUMMARY  
SAN JOAQUIN VALLEY**

**COTTON MAPPING**

- Begins in May for both the Shafter and Fresno offices
- Utilizes ArcGIS mapping software to identify current cotton field locations
- Shafter & Fresno Districts will start mapping in southern end of district areas

**PBW GENERAL DETECTION TRAPPING**

- Traps will start being placed in early May
- All cotton in the San Joaquin Valley (SJV) will be trapped at a ratio of one trap per 160 acres of cotton with a maximum of four traps per section as recommended by the National Cotton Council (NCC) Pink Bollworm (PBW) Technical Advisory Committee in the Minimum Standards for PBW Post Eradication
- All traps will be serviced on a biweekly basis
- Trapping will end on October 12<sup>th</sup>

**PLOWDOWN SURVEY**

- Cotton plowdown maps will be sent to all SJV County Agricultural Commissioner (CAC) Offices
- Review plowdown reports submitted by CAC Offices
- Evaluate effectiveness of Reduced Tillage permit system
- Determine feasibility of Reduced Tillage permits for 2024

**SILVERLEAF WHITEFLY SURVEY**

- 10 leaves will be sampled at 10% of the cotton fields in all counties
- Surveys will begin June 26<sup>th</sup> and continue through September 29<sup>th</sup>, with samples being collected and processed every two weeks.
- Leaf samples will be examined for the presence of silverleaf whitefly, aphids, mites, armyworm, honey dew, and sooty mold
- Reports will be made available to industry on a bi-weekly basis

**COTTON SEED BUG SURVEY**

- Visual inspection as well as sampling of a small number of bolls at 10% of the cotton acreage in each cotton growing county
- Visual inspection of 10% of okra acreage in each okra growing county
- Surveys will begin September 4<sup>th</sup> and continue until harvest
- Cotton boll samples will be inspected by the California Department of Food and Agriculture for the presence of Cotton Seed Bug
- Updates will be made available to industry on a weekly basis

**2023 COTTON PEST CONTROL PROGRAM  
WORK PLAN SUMMARY  
NORTHERN CALIFORNIA**

**COTTON MAPPING**

- Utilize County Agricultural Commissioner's/growers' cotton field locations
- Utilize ArcGIS mapping software to identify current cotton field locations

**PBW GENERAL DETECTION TRAPPING**

- Starts 2 weeks before the peak of 2<sup>nd</sup> field generation
- Trap at a ratio of 1 trap per field
- Trap until HU model indicates unlikely to complete another generation
- Trapping will end in early October

**COTTON SEED BUG SURVEY**

- Visual inspection as well as sampling of a small number of bolls at 10% of the cotton acreage in each cotton growing county
- Visual inspection of 10% of okra acreage in each okra growing county
- Surveys will begin September 4<sup>th</sup> and continue until harvest
- Cotton boll samples will be inspected by the California Department of Food and Agriculture for the presence of Cotton Seed Bug
- Updates will be made available to industry on a weekly basis

**2023 COTTON PEST CONTROL PROGRAM  
WORK PLAN SUMMARY  
SOUTHERN CALIFORNIA**

**MAPPING**

- Mapping began April 4th
- Mapping will be conducted by CPC Program personnel

**GENERAL DETECTION TRAPPING**

- General detection trapping will be conducted by CPC Program personnel
- Trap placement began April 4th
- All Bt cotton in Southern California will be trapped at a ratio of 1 trap per 80 acres
- All traps will be serviced on a weekly basis
- Trapping will end October 26<sup>th</sup>
- Boll Weevil (BW) traps will be “paired” with Pink Bollworm (PBW) trap sites in Imperial and Blythe/Palo Verde Valleys

**PLOWDOWN SURVEY**

- County Agricultural Departments to monitor fields for compliance with cotton plowdown regulations
- Evaluate effectiveness of Minimum Tillage permit system
- Determine feasibility of Minimum Tillage permits for 2024

**COTTON SEED BUG SURVEY**

- Visual inspection as well as sampling of a small number of bolls at 10% of the cotton acreage in each cotton growing county
- Visual inspection of 10% of okra acreage in each okra growing county
- Surveys will begin September 4<sup>th</sup> and continue until harvest
- Cotton boll samples will be inspected by the California Department of Food and Agriculture for the presence of Cotton Seed Bug
- Updates will be made available to industry on a weekly basis

## 2022 Navel Orangeworm Program Update

### Navel Orangeworm Area Wide Program – Multi-Phase Approach

#### Phase 1 – 2018-2022

Phase 1 was the Initial Phase of the Navel Orangeworm (NOW) Program (Program) with a focus on developing NOW sterile insect technique (SIT) moths, determining their viability during cold storage transfer, performing quality control (QC) on mating propensity and survivability of the sterile moths, developing a trap monitoring program, and collecting preliminary damage data from the orchards participating in the Program's project site.

#### Phase 2 – 2023

Phase 2 is the Data Phase of the NOW Program. The focus of this phase is controlling variables within the orchards participating in the Program's project site in order to increase the integrity of the field data being collected. During this phase a University of California Cooperative Extension (UCCE) coordinator will take over as a grower point of contact. They will be responsible for coordinating with growers and establishing orchards for the Phase 2 Program project site.

### Project Design

The 2023 Area Wide Project site has been restructured for Phase 2 of the Program to establish more standardized and consistent approaches to mating disruption, sanitation, pesticide usage, and other cultural practices for more comparable data between each orchard set (release site/control site).

Listed below is information related to each orchard within the Program's Phase 2 project site for 2023:

Zone #	Crop Type	Acres	Release/Non-release Site	Date Added to Area Wide Project
Zone 1	Pistachio	640	Release	February 2023
Zone 2	Pistachio	640	Non-release	February 2023
Zone 3	Almond	640	Release	February 2023
Zone 4	Almond	640	Release	February 2023
Zone 5	Pistachio	640	Non-release	March 2023
Zone 6	Pistachio	640	Release	March 2023
Zone 7	Almond	640	Non-release	April 2023
Zone 8	Almond	640	Non-release	April 2023

Each zone has a trap site ratio of approximately 1 trap site per 18 acres for a total of 36 trap sites for each 640-acre zone. Each trap site has one trap baited with pistachio meal bait and one trap baited with NOW pheromone/PPO lures. All traps are serviced on a weekly basis.

### Aerial Sterile Insect Technique (SIT) Release

Aerial SIT releases began March 12, with one magazine of approximately 750,000 sterile NOW moths released over Zones 1 and 3 once per day, seven days per week.

On April 13, a second magazine of approximately 750,000 sterile NOW moths began being released over Zone 6 once per day, seven days per week. During the period of April 18 to April 23, the second magazine was released daily over Zones 6 and 7. As of Monday, April 24, the second magazine began being released daily over Zones 4 and 6.

## BUDGET FY 2022/2023

### COTTON PEST CONTROL PROGRAM

BUDGET (FY 2022-23 through FY 2023-24)

OBJECT DESCRIPTION	APPROVED BUDGET 2022-2023	YEAR TO DATE* 2022-2023 (*as reported in Fi\$cal March 2023)	Available Balance	PROPOSED BUDGET 2023-2024	COMMENTS
Permanent Salaries	378,000	257,132	120,868	378,000	[1]
Temporary Salaries	230,000	109,181	120,819	230,000	[2]
Staff Benefits, incl. Unemployment, W.C.	265,000	141,955	123,045	250,000	[3]
Sal/Wage Chg/Recovery		-98,141	98,141		
Overtime/Other Special Pay			0		
<b>TOTAL PERSONNEL SERVICES</b>	<b>873,000</b>	<b>410,127</b>	<b>462,873</b>	<b>858,000</b>	
<b>OPERATING EXPENSE</b>					
General Expense	5,000	4,854	146	5,000	PA
Printing	500	0	500	500	PA
Communications	8,000	11,339	-3,339	10,000	PA
Postage	500	325	175	500	PA
Insurance	15,000	15,366	-366	20,000	[4]
Travel In-State	4,000	4,884	-884	4,000	[5]
Travel Out-State	0		0	0	
Training	0	1,225	-1,225	0	[6]
Facilities Operation	165,000	18,082	146,918	130,000	[7]
Utilities	110,000	28,114	81,886	100,000	[7]
Consult -Prof Serv	2,000	1,278	722	2,000	
Departmental Services					Budget OFC
Other					
Indir-Dept. IT	60,000	48,521	11,479	60,000	PA
Indir-Exec/Admin,	110,000	-18,918	128,918	110,000	PA
Indir-Division	70,000	16,573	53,427	70,000	PA
Pro Rata (Indirect State Admin Costs)			0		
Equipment	5,000		5,000	5,000	
Other Items of Expense:					
SIT Dispersal Contract/Research	60,000		60,000	60,000	[8,9]
AG Supplies, traps, lure, bamboc	5,000	17,383	-12,383	10,000	
Start Up Cost for PBW find	50,000		50,000	50,000	[13]
Cotton Seed Bug Survey	150,631		150,631	0	
Pesticide Purchase/ Lab Supplies:	2,000		2,000	2,000	
Vehicle Operations	80,000	57,331	22,669	80,000	[10]
Vehicle Purchase		37,893	-37,893	40,000	
Payment to Counties*	65,000	16,028	48,972	65,000	[11]
Special Items of Expense (PRF-Tax)	130,000	119,616	10,384	130,000	[12]
Unallocated OE&E					
Internal Cost Recovery					
<b>TOTAL OE&amp;E</b>	<b>\$1,097,631</b>	<b>\$379,895</b>	<b>\$717,736</b>	<b>\$954,000</b>	
<b>TOTAL PROGRAM</b>	<b>\$1,970,631</b>	<b>\$790,022</b>	<b>\$1,180,609</b>	<b>\$1,812,000</b>	
<b>AGRICULTURAL FUND</b>	<b>\$1,970,631</b>	<b>\$790,022</b>	<b>\$1,180,609</b>	<b>\$1,812,000</b>	
<b>Unclaimed Gas Tax Refund (224C)</b>					Budget OFC

**BUDGET COMMENTS**  
**And**  
**DETAIL SHEET**

**FY 2023/2024 Budget Proposal**

- [1] Based on FY 22/23 actuals + projections.
- [2] Based on FY 22/23 actuals + projections.
- [3] Based on FY 22/23 actuals + projections.
- [4] Vehicle Insurance Only.
- [5] Based on Past Actual.
- [6] Based on Past Actual.
- [7] Based on Past Actual. NOTE: PRF Utility Costs Reimbursed by USDA.
- [8] 50/50 split with Arizona; maintaining the PBW colony
- [9] Place holder; if future research is needed.
- [10] Based on Past Actual
- [11] CAC Plow Down Contracts  
 Based on the new county contracts at \$0.18/acre; plus \$5,000 flat rate per county for Imperial and Riverside Counties.  
 Plus, Contract for Imperial County to conduct S. California trap monitoring.
- [12] Property Taxes: Sterile Insect Rearing Facility, Phoenix, AZ  
 Based on Past Actuals
- [13] Proposed by Board for PBW find in CA  
 PA Past Actual

NOTE: Program has no control over IntraDepartmental Charges  
*and Indirect State Admin Costs (ProRata)*

APPROVED BUDGETS COMPARED TO ACTUAL SPENT FY 18/19 - 22/23

Cotton Pest Control Program

OBJECT DESCRIPTION	Approved 2018/2019	Actual 2018/2019	Approved 2019/2020	Actual 2019/2020	Approved 2020/2021	Actual 2020/2021	Approved 2021/2022	Actual 2021/2022*	Approved 2022/2023	Actual 2022/2023*
Permanent Salaries	394,301	328,545	375,000	393,925	378,000	354,159	378,000	237,384	378,000	257,132
Special Pay/Overtime		28,805		0		158		180		
Temporary Salaries	191,700	286,251	230,000	231,123	230,000	241,654	230,000	157,727	230,000	109,181
Staff Benefits	395,000	270,385	350,000	262,470	265,000	176,169	265,000	150,262	265,000	128,391
Sal/Wage Chg/Recovery		-27,260		-42,468		-196,020		-77,946		-98,141
Workers Comp; Unemployment		72,842		40,410		27,496		12,200		13,564
<b>TOTAL PERSONNEL SERVICES</b>	<b>\$981,001</b>	<b>\$959,569</b>	<b>\$955,000</b>	<b>\$885,460</b>	<b>\$873,000</b>	<b>\$603,617</b>	<b>\$873,000</b>	<b>\$479,807</b>	<b>\$873,000</b>	<b>\$410,127</b>
<b>OPERATING EXPENSE</b>										
General Expense	15,000	2,446	10,000	1,255	5,000	3,472	5,000	4,544	5,000	4,854
Printing	1,000	10	1,000	846	500	0	500	0	500	0
Communications	6,500	5,392	6,500	7,595	8,000	7,435	8,000	11,341	8,000	11,339
Postage	1,000	1,442	500	178	500	227	500	2,891	500	325
Insurance	11,000	13,922	13,000	12,213	14,000	8,954	14,000	15,195	15,000	15,366
Travel In-State	4,000	2,472	5,000	3,264	1,000	1,088	1,000	3,252	4,000	4,884
Travel Out-State	4,000	826	2,500	0	0	0	0	0	0	0
Training	3,000	300	1,000	365	0	550	0	0	0	1,225
Facilities Operation	135,000	112,594	135,000	136,949	165,000	109,977	165,000	128,004	165,000	18,082
Utilities	150,000	277,998	200,000	182,427	110,000	110,489	110,000	50,214	110,000	28,114
Consult -Prof _ IntraDepart	1,500	1	1,500	0	0	191	0	4,142	2,000	1,278
Consult - Prof - External (CASS)	35,000	3,873	0	0	0	0	0	0	0	0
Information Technology (Dir & Ind)	57,000	53,912	57,000	59,032	50,000	53,486	61,000	60,517	60,000	48,521
Intradepartmental Charges: (Direct & Indirect Charges)	210,000	134,191	200,000	110,344	185,000	116,451	185,000	211,738	180,000	-2,344
Indirect State Admin Costs (Pro Rata)	67,405	1,870	97,219	94,083		49,989				
Equipment	57,000	0	28,500	0	0	0	5,000	12,321	5,000	37,893
Field Expenses	15,000	1,793	15,000	8,222	4,000	13,869	5,000	0	5,000	17,383
Lab Supplies/Pesticide Purchase	5,000	696	3,000	43	2,000	1,982	2,000	0	2,000	0
Vehicle Operations	100,000	64,351	100,000	63,273	100,000	39,573	80,000	87,789	80,000	57,331
Other Items of Expense: (Moths, Research, Aerial, PBW start up)	61,000	1,144	61,000	16,336	61,000	1,989	60,000	0	60,000	0
PBW Start Up							50,000	0	50,000	0
Cotton Seed Bug Survey							150,631	0	150,631	0
Payment to Counties	30,000	54,233	55,000	53,700	90,000	40,704	80,000	28,457	65,000	16,028
Unallocated								0		0
Special Items of Expense (Tax)	115,000	119,147	115,000	122,345	120,000	123,955	130,000	127,186	130,000	119,616
<b>TOTAL OE&amp;E</b>	<b>\$1,084,405</b>	<b>\$852,613</b>	<b>\$1,107,719</b>	<b>\$872,471</b>	<b>\$916,000</b>	<b>\$684,379</b>	<b>\$1,112,631</b>	<b>\$747,591</b>	<b>\$1,097,631</b>	<b>\$379,895</b>
<b>TOTAL PROGRAM</b>	<b>\$2,065,406</b>	<b>\$1,812,182</b>	<b>\$2,062,719</b>	<b>\$1,757,932</b>	<b>\$1,789,000</b>	<b>\$1,287,996</b>	<b>\$1,985,631</b>	<b>\$1,227,397</b>	<b>\$1,970,631</b>	<b>\$790,022</b>
<b>TOTAL EXPENDITURE</b>	<b>\$2,065,406</b>	<b>\$1,812,182</b>	<b>\$2,062,719</b>	<b>\$1,757,932</b>	<b>\$1,789,000</b>	<b>\$1,287,996</b>	<b>\$1,985,631</b>	<b>\$1,227,397</b>	<b>\$1,970,631</b>	<b>\$790,022</b>
<b>AGRICULTURAL FUND (-Gas Tax)</b>	<b>\$2,041,561</b>	<b>\$1,784,920</b>	<b>\$2,062,719</b>	<b>\$1,697,290</b>	<b>\$1,789,000</b>	<b>\$1,233,245</b>	<b>\$1,985,631</b>	<b>\$1,227,397</b>	<b>\$1,970,631</b>	<b>\$790,022</b>
Schd Reimbursements										
Unclaimed Gas Tax Refund (224C)	\$23,845	\$27,262		\$60,642		\$54,751				

\* Actuals as of March 2023 reported in FiScal

## Cotton Seed Bug Survey Budget

<b>Item</b>		
	<i>Survey 10% of 179,000 acres</i>	
<b>Personnel</b>	<i>Budget</i>	2022 Year
Environmental Scientist (S&B)	\$3,365	\$3,365
Agricultural Technicians - Surveying	\$23,232	\$23,805
Agricultural Technicians - Lab	\$23,232	\$16,263
Sr. Env Scientist (Supervisory)(S&B)	\$2,079	\$2,079
Environmental Program Manager I	\$5,062	\$5,062
Associate Government Program	\$5,798	\$5,798
Staff Benefits	\$33,895	\$30,441
	\$96,662	\$86,813
<b>Trapping</b>		
Vehicle Fuel Cost	\$4,160	\$2,820
Vehicle Rental	\$6,920	\$0
Per Diem	2400	\$3,387
Supplies	1000	\$808
	\$14,480	\$7,016
Facilities	\$7,735	\$7,735
Indirect Charges	\$31,754	\$28,518
	\$150,631	\$130,082

**CALIFORNIA COTTON PEST CONTROL BOARD  
FUND AGREEMENT**

As authorized by Food and Agricultural Code Section 227, the California Cotton Pest Control Board (CCPCB) has chosen to designate the Dreyfus Money Market account within Bank of the West as its depository for CCPCB funds. The CCPCB also authorizes the Secretary of the California Department of Food and Agriculture (CDFA) to establish an account for the **California Cotton Pest Control** funds.

In order to comply with Section 227, the funds in the bank account shall be used exclusively to reimburse the California Cotton Pest Control Program (Program) for Program operation expenses incurred.

Financial Services Branch will notify Dreyfus Money Market account within Bank of the West to transfer funds from the **California Cotton Pest Control** Account #XXXXX-X6362 to the **CDFA** General Checking Account #XXXXXXXX1954 on the following dates:

<b>July 15, 2023</b>	<b>\$151,000.00</b>
<b>August 15, 2023</b>	<b>\$151,000.00</b>
<b>September 15, 2023</b>	<b>\$151,000.00</b>
<b>October 15, 2023</b>	<b>\$151,000.00</b>
<b>November 15, 2023</b>	<b>\$151,000.00</b>
<b>December 15, 2023</b>	<b>\$151,000.00</b>

Funds deposited into the Dreyfus Money Market account within Bank of the West will be audited at least every two (2) years by an auditor selected by the Program. The auditor shall provide the Program with a copy of the audit report within thirty (30) days of completion thereof.

Program expenses are those expenses incurred in implementing the **California Cotton Pest Control** budget, as shown in the above schedule, and are paid from funds collected as industry fees.

The **California Cotton Pest Control** account must maintain a balance sufficient to pay for expenses arising from unanticipated occurrences with the administration of the Program.

This agreement may only be changed by action of the Secretary or her designee.

The Program shall establish and maintain adequate reserves to fund the Program phase-out upon termination of CDFA's administration of the Program.

**CERTIFICATION**

The undersigned certifies as follows:

Pursuant to the authority duly delegated to me by the Secretary of the California Department of Food and Agriculture, in my official capacity as Director of Plant Health & Pest Prevention Services for the Department, I certify that the foregoing agreement is in full force and effect and has not been revoked or amended and does not exceed the objectives or powers of the California Cotton Pest Control Board.

In witness whereof, I have executed this Certification on \_\_\_\_\_.

CALIFORNIA DEPARTMENT OF FOOD  
AND AGRICULTURE

\_\_\_\_\_  
Mark A. McLoughlin, Director of Plant  
Health & Pest Prevention Services

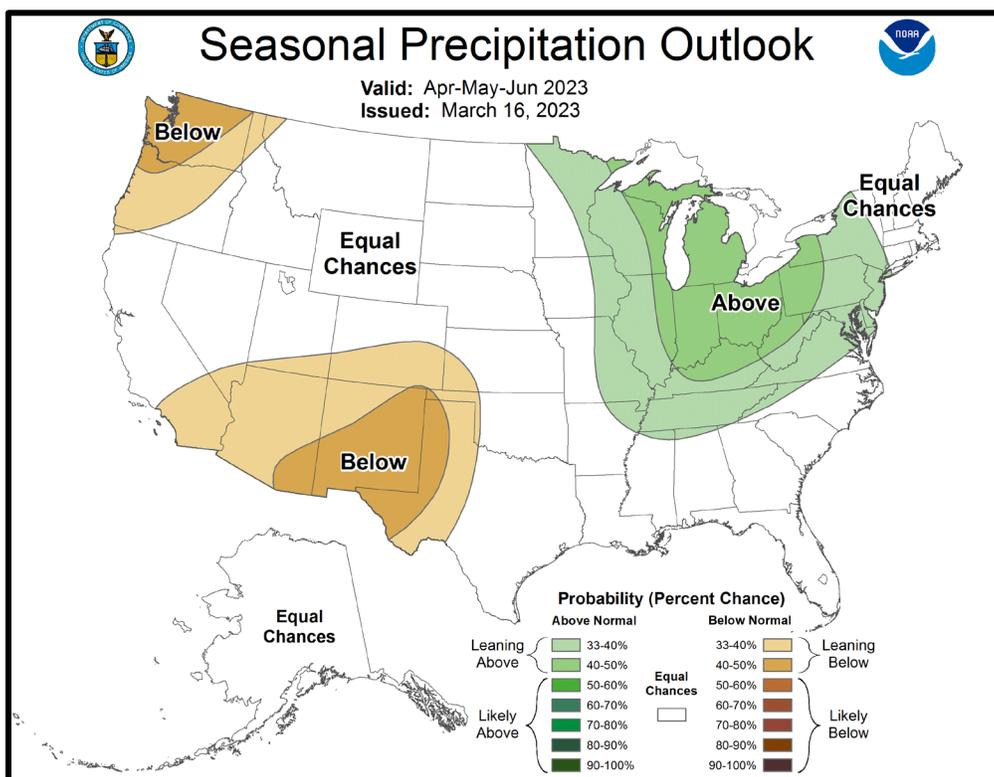
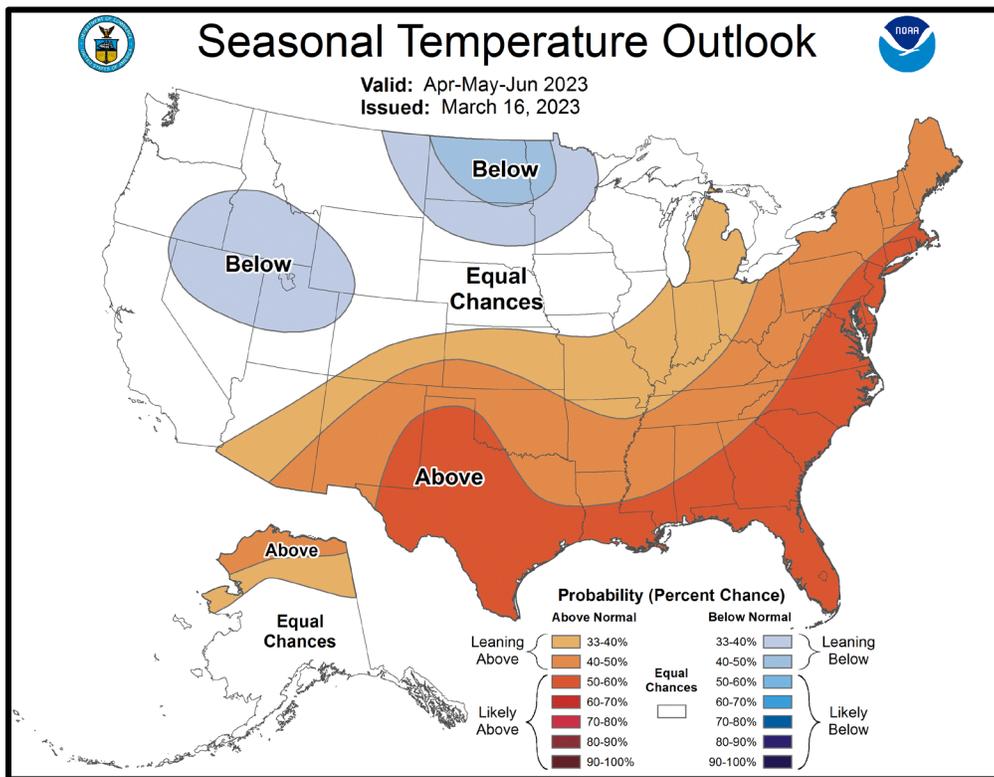
Pursuant to the authority duly delegated to me by the Secretary of the California Department of Food and Agriculture, in my official capacity as Director of Administrative Services for the Department, I certify that the foregoing agreement is in full force and effect and has not been revoked or amended and does not exceed the objectives or powers of the California Cotton Pest Control Board.

In witness whereof, I have executed this Certification on \_\_\_\_\_.

CALIFORNIA DEPARTMENT OF FOOD  
AND AGRICULTURE

\_\_\_\_\_  
Jody Lusby, Director of Administrative Services

## Three Month Weather Outlook (April 2023 – June 2023)





October 17, 2022  
Renewed

Permit No. QC 1084

**PERMIT FOR REDUCED TILLAGE SYSTEM  
FOR COTTON DESTRUCTION IN DISTRICTS 2, 3 and 4**

Under authority of Title 3, California Code of Regulations, Section 3154 (Secretary May Issue Special Permits), permission is granted to the Fresno, Kern, Kings, Madera, Merced and Tulare Agricultural Commissioners to authorize cotton growers in Districts 2, 3 and 4 to use the reduced tillage system for cotton, which would otherwise be prohibited by Section 3595(e)(2), Cotton Pests Host Free Districts, under the following conditions:

1. A native pink bollworm (PWB) cannot have been detected within the described boundary of a government section (township-range) during the previous crop year or during the current crop year. Except, that if a moth were detected after September 1 of the current crop year, reduced tillage would be allowed in the current crop year, but not in the next crop year.
2. The requirements in Section 3595(e)(1) for cotton destruction by shredding shall be complied with in full: "All cotton stalks and debris shall be shredded by a power driven shredding device in a manner which effectively reduces stalks to a particle size permitting burial and decomposition and assures that bolls remaining in the field are broken open and the parts scattered."
3. The authorized cotton grower shall notify the County Agricultural Commissioner a minimum of ten (10) days prior to beginning use of the reduced tillage system.
4. Following shredding as required above, the land on which any cotton plants were growing during the preceding season shall be tilled in a manner that dislodges the cotton plant roots from the soil which ensures that cotton plant re-growth will not occur (reduced tillage system).
5. Without prior notice and during reasonable hours, authorized state or county regulatory officials shall be allowed to inspect the condition of said cotton fields and the reduced tillage system operations.
6. Roots, plant stubs, shredding debris and trash remaining from harvesting or clean-up operations are not required to be mixed with surface soil.
7. All cotton plants in Districts 2 and 3 shall be destroyed in a manner described in Section 3595(e) or in this permit by December 20 of each year, and all cotton plants in District 4 shall be destroyed in a manner described in Section 3595(e) or in this permit by



December 31 of each year, unless a variance is issued by the California Department of Food and Agriculture.

8. Nothing contained herein shall in any way preclude the County Agricultural Commissioner or the California Department of Food and Agriculture from taking appropriate action under applicable provisions of the California Food and Agricultural Code, including Section 5784.

Unless earlier revoked, this permit is valid through October 31, 2023.

Sincerely,

*Dean Kelch*

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Dean Kelch, Ph.D.  
Environmental Program Manager  
Permits & Regulations  
Plant Health and Pest Prevention Services

cc: Fresno County  
Kern County  
Kings County  
Madera County  
Merced County  
Tulare County  
Michelle Dennis  
Josh Kress  
Canh Nguyen



October 17, 2022  
Renewed

Permit No. QC 938

**PERMIT FOR MINIMUM TILLAGE SYSTEM  
FOR COTTON DESTRUCTION IN DISTRICTS 5 and 7**

Under authority of Title 3, California Code of Regulations, Section 3154 (Secretary May Issue Special Permits), permission is granted to the Riverside, Imperial and San Bernardino Agricultural Commissioners to authorize cotton growers in District 5 and 7 to use the minimum tillage system for cotton, which would otherwise be prohibited by Section 3595(e)(2), Cotton Pests Host Free Districts, under the following conditions:

1. The requirements in Section 3595(e)(1) for cotton destruction by shredding shall be complied with in full: “All cotton stalks and debris shall be shredded by a power driven shredding device in a manner which effectively reduces stalks to a particle size permitting burial and decomposition and assures that bolls remaining in the field are broken open and the parts scattered.”
2. The authorized cotton grower shall notify the County Agricultural Commissioner a minimum of ten (10) days prior to beginning use of the minimum tillage system.
3. Following shredding as required above, the land on which any cotton plants were growing during the preceding season shall be tilled in a manner that dislodges the cotton plant roots from the soil in such a manner which ensures that cotton plant regrowth will not occur (minimum tillage system).
4. Without prior notice and during reasonable hours, authorized state or county regulatory officials shall be allowed to inspect the condition of said cotton fields and the minimum tillage system operations.
5. Roots, plant stubs, shredding debris and trash remaining from harvesting or clean-up operations are not required to be mixed with surface soil.
6. All cotton plants in District 5 and 7 shall be destroyed in a manner described in Section 3595(e) or in this permit by January 1 of each year, unless a variance is issued by the California Department of Food and Agriculture.
7. Nothing contained herein shall in any way preclude the County Agricultural Commissioner or the California Department of Food and Agriculture from taking



appropriate action under applicable provisions of the California Food and Agricultural Code, including Section 5784.

Unless earlier revoked, this permit is valid through October 31, 2023.

Sincerely,



---

Dean Kelch, Ph.D.  
Environmental Program Manager  
Permits & Regulations  
Plant Health and Pest Prevention Services

cc: Imperial County  
Riverside County  
San Bernardino County  
Michelle Dennis  
Josh Kress  
Canh Nguyen

<b>2022 CALIFORNIA COTTON ACREAGE</b>					<b>11/3/2022</b>
<b>California Cotton Acreage:</b>				<b>Total Acres:</b> <b>133,785</b>	<b>Total Traps:</b> <b>1,271</b>
Pima Acreage =				115,127	
Upland Acreage =				11,190	
Bt Acreage =				7,468	
<b>San Joaquin Valley</b>					
<b>Total Cotton Acreage =</b>				<b>125,449</b>	<b>1,177</b>
Upland Acreage =				10,329	
Pima Acreage =				115,120	
<b>County</b>	<b>Total Acres</b>	<b>Pima Acres</b>	<b>Upland Acres</b>	<b>Traps</b>	
Fresno	34,290	31,791	2,498	327	
Kern	9,591	9,126	466	102	
Kings	46,988	42,638	4,350	354	
Madera	254	196	57	6	
Merced	29,113	27,804	1,310	325	
Tulare	5,213	3,565	1,648	63	
San Joaquin	0	0	0	0	
<b>Sacramento Valley</b>					
<b>Cotton Acreage=</b>				<b>868</b>	<b>3</b>
<b>County</b>	<b>Total Acres</b>	<b>Pima Acres</b>	<b>Upland Acres</b>	<b>Traps</b>	
Colusa	143	0	143	2	
Glenn	718	0	718	0	
Sutter	0	0	0	0	
Tehama	0	0	0	0	
Yolo	7	7	0	1	
<b>Southern California</b>					
<b>Cotton Acreage=</b>				<b>7,468</b>	<b>91</b>
<b>County</b>	<b>Total Acres</b>	<b>Pima Acres</b>	<b>Conventional Cotton Acres</b>	<b>Bt Cotton Acres</b>	<b>Traps</b>
Imperial	1,752	0	0	1,752	17
Riverside	5,716	0	0	5,716	74
San Bernardino	0	0	0	0	0
Desert Highways Line	N/A	N/A	N/A	N/A	N/A
Acres listed are based on Cotton Pest Control Program field mapping techniques and are intended for use on CPC Program detection and control activities. Totals are not assumed to represent exact California cotton acreage planted.					

**CALIFORNIA DEPARTMENT OF FOOD AND AGRICULTURE**  
**COTTON PEST CONTROL PROGRAM – COTTON SEED BUG FINAL REPORT**  
55 YEARS OF SERVICE TO COTTON GROWERS

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State of California  
5100 Douglas Avenue  
Shafter, CA 93263  
Department of Food & Agriculture  
Plant Health and Pest Prevention Services  
Integrated Pest Control Branch

Phone: (661) 395-2914  
Fax: (661) 399-1601

**Statewide Cotton Seed Bug Survey:**

A statewide survey for the cotton pest *Oxycarenus hyalinipennis*, also known as the cotton seed bug (CSB), has been completed. Ten percent of cotton acreage and okra acreage was sampled in each county throughout the state. All field sites were sampled in pairs of two personnel with one personnel being an Environmental Scientist.

The survey of cotton fields included a visual inspection of the field site and a sampling of cotton bolls from plants on each side of the field site (north, south, east, and west). Visual inspection included walking the perimeter of the field site. Sampling of bolls included the sampling of cotton bolls from plants on each side of the field site (north, south, east, and west). For each cotton field sample site, five cotton bolls were removed from up to 20 cotton plants depending on the acreage of the sample site. The amount of total cotton plants sampled per a sample site by field acreage was as follows:

- 4 plants were sampled from sample sites that had less than 30 acres,
- 8 plants were sampled from sample sites that had between 31 and 50 acres,
- 12 plants were sampled from sample sites that had between 51 and 70 acres,
- 16 plants were sampled from sample sites that had between 71 and 90 acres, and
- 20 plants were sampled from sample sites that had 91 or greater acres of cotton.

This methodology was a slight change from the previous year sampling rate of 4 plants per each 20 acres due to the addition of okra sites and labor shortages during the ideal sampling period. The cotton bolls were bagged according to sample site orientation for a total of four bags per field site. The cotton bolls in the sample bags were sprayed with ethanol, then sample bags were double bagged, labelled, and sent to be processed.

The survey of okra field sites included the visual inspection of 10 percent of okra acreage in each okra growing county in California. Visual inspection included walking the perimeter of the field site and collecting any found specimen. All specimens were placed in vials with ethanol and sent to be identified.

The CSB survey began on September 6, 2022 and was completed on October 19, 2022. Throughout the survey period, 231 field surveys were completed. The following counties were surveyed from: Colusa, Contra Costa, Fresno, Glenn, Imperial, Kern, Kings, Los Angeles, Madera, Merced, Napa, Placer, Riverside, Sacramento, San Bernardino, San Diego, San Joaquin, Stanislaus, Santa Clara, Sutter, Tulare, and Yolo. As shown in **Table 1**, 193 cotton fields and 38 okra fields were surveyed throughout the State.

Table 1.

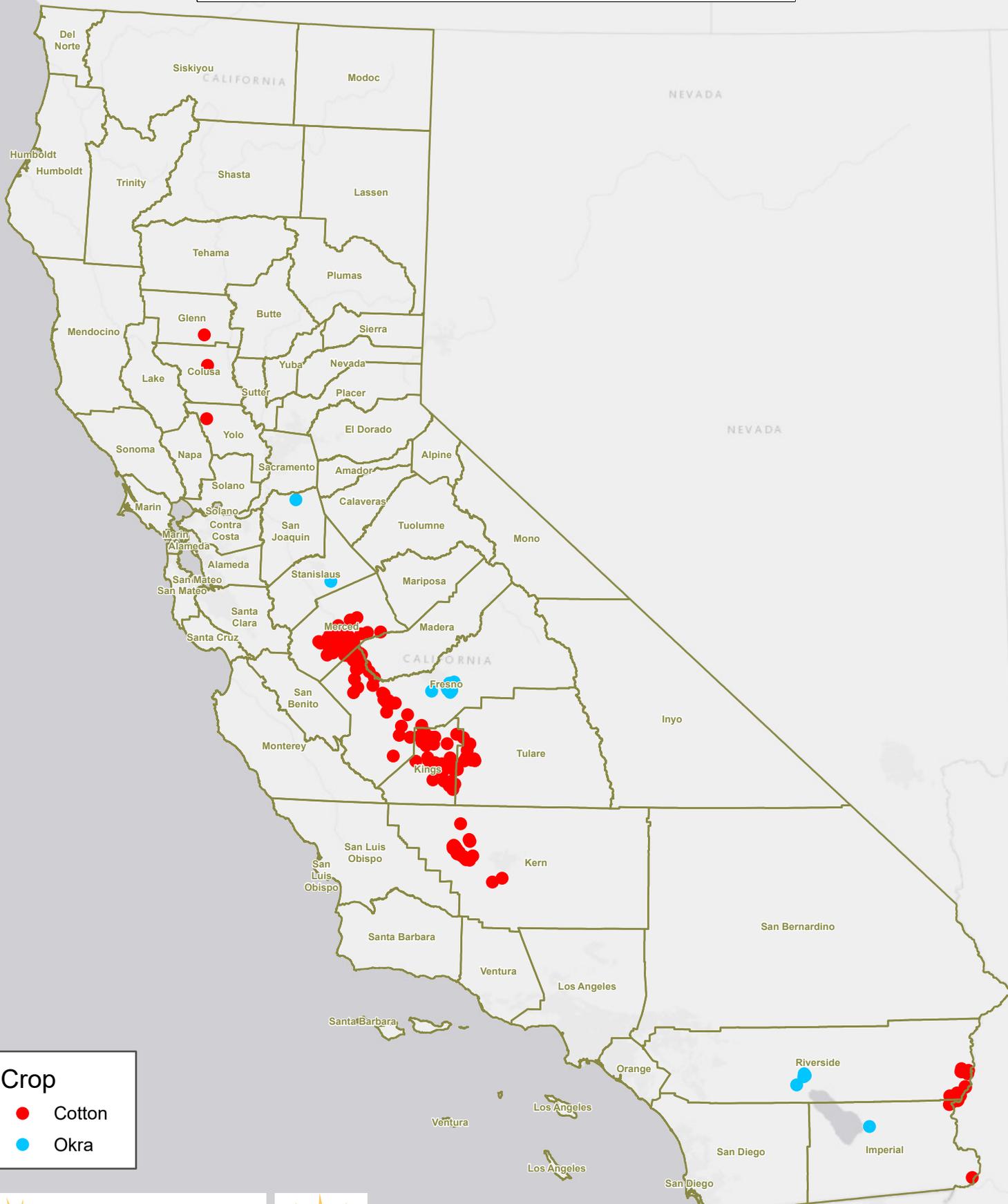
County	Cotton Fields Surveyed	Cotton Acreage Surveyed	Cotton Boll Samples Collected	Okra Fields Attempted for Survey*	Okra Acreage Surveyed*	Total Acreage (Cotton +Okra) Surveyed**
Colusa	1	73	16	2	0	73
Contra Costa	0	0	0	2	0	0
Fresno	51	3,579	604	13	24	3,603
Glenn	1	70	16	2	0	70
Imperial	5	293	52	5	43	336
Kern	22	974	200	2	0	974
Kings	28	4,700	460	0	0	4,700
Los Angeles	0	0	0	2	0	0
Madera	2	57	12	2	0	57
Merced	59	2,965	572	2	0	2,965
Napa	0	0	0	2	0	0
Placer	0	0	0	2	0	0
Riverside	11	580	120	12	130	710
Sacramento	0	0	0	2	0	0
San Bernardino	0	0	0	2	0	0
San Diego	0	0	0	2	0	0
San Joaquin	0	0	0	1	1	1
Santa Clara	0	0	0	2	0	0
Stanislaus	0	0	0	1	10	10
Sutter	0	0	0	2	0	0
Tulare	12	717	124	0	0	717
Yolo	1	7	4	2	0	7
<b>Total</b>	<b>193</b>	<b>14,015</b>	<b>2,180</b>	<b>62</b>	<b>208</b>	<b>14,223</b>

\*Ten percent of County Agricultural Commissioner's recorded okra was surveyed. Not all recorded okra field sites contained okra. In cases where a field site did not contain okra, then an attempt to survey another recorded okra field would occur. A maximum of 2 attempts were made for each field site. If these additional fields did not contain okra, then the survey for that field site was deemed complete.

\*\* Total Acreage Surveyed only includes acreage from okra field sites that contained okra.

All boll samples were inspected by the California Department of Food and Agriculture with negative results for CSB. Boll samples were processed by pulling out the cotton fibers in every sampled boll and carefully inspecting the entire boll sample. Any found specimen was removed and inspected using the United States Department of Agriculture (USDA) CSB identification guide to determine if the specimen was CSB. All non-target specimens were stored in vials of ethanol that were labelled with field site information. CSB was not identified in any samples.

# 2022 Cotton Seed Bug Survey



**Crop**

- Cotton
- Okra

