

California Cotton Pest Control Board

Fall 2022 Meeting



California Department of Food and Agriculture
Fresno, CA
December 1, 2022

TABLE OF CONTENTS

December 1, 2022

	<u>Page #</u>
AGENDA	1-2
MINUTES	
CCPCB Spring Meeting May 5, 2022	3-6
BOARD MEMBERS	7
Board Vacancy	8
COTTON PEST CONTROL PROGRAM UPDATES	
Pink Bollworm Trap Monitoring Work Plan Summaries	9-11
California Cotton Acreage	12
Silverleaf Whitefly Survey Update	13-15
Cotton Seed Bug Survey Update	16
Navel Orangeworm Program Update	17-18
FISCAL MATTERS	
CCPCB Budget (FY22/23)	19-20
Past Actual Expenditures	21
Received & Projected Revenue	22
Fund Condition Statement	23
Cotton Seed Bug Survey Budget	24
Proposed CDFA Fund Agreement (FY22/23)	25-26
REFERENCES	
3 Month Weather Outlook	27
Tillage System Permits	28-31

California Department of Food and Agriculture
California Cotton Pest Control Board

BOARD MEETING AGENDA

Thursday, December 1, 2022 at 9:30 a.m.

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

Zoom Meeting Information:

Meeting Link: <https://us02web.zoom.us/j/86055362677>

Meeting ID: 860 5536 2677

Passcode: ccpcb_121

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.

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

- c. **Navel Orangeworm Project**
 - d. **Cotton Seed Bug Survey**
- Lauren Murphy, CDFA
Emily Schoenborn, CDFA
- 7. Fiscal Matters**
 - a. **2022/2023 Actual Budget Expenditures**
 - b. **2022/2023 Received and Projected Revenues**
 - c. **Fund Condition Statement**
 - d. **Cotton Seed Bug Survey Budget**
 - e. **2023/2024 Proposed Budget**
 - f. **2022/2023 Fund Agreement**
- Canh Nguyen, CDFA
- 8. Cotton Bale Assessment Rates**
- Chairman Ted Sheely
- 9. Arizona Cotton Research and Protection Council PBW Colony Facility**
- Chairman Ted Sheely
- 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
May 5, 2022
DRAFT MINUTES

MEMBERS PRESENT

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone
Gregg Watte

MEMBERS ABSENT

Andrew Clark
Chad Crivelli
Bob Hull

CDFA PERSONNEL

Kaitlyn Beames
Michelle Dennis*
Lauren Murphy
Canh Nguyen
Emily Schoenborn

*Participated via zoom

GUESTS

Lynda Schruppf, Kings County Agricultural Commissioner's Office

INTRODUCTIONS

The California Cotton Pest Control Board (Board) Meeting was convened at 9:40 am by Acting Board Chairman, Bill Stone, 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 Board meeting that took place on December 2, 2021.

MOTION:

Gary Martin moved that the Board approve the minutes from the December 2, 2021 Board meeting. The motion was seconded by Greg Watte and passed unanimously.

VOTES:**YES**

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone
Greg Watte

NO**ABSTENTION**

BOARD VACANCY

Lauren Murphy stated that in April 2022 Dan Munk, the Public Member, retired from the Board. She further stated that 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.

Discussion followed.

DISTRICT REPORTS

The Board Members presented brief updates for the various districts.

KINGS COUNTY

Bill Stone stated the cotton is looking good. However, they're in the Westlands Water District where water is limited and requires them to leave 10 percent of the farms fallow.

Linda Schrupp provided an update and said Kings County has 61,500 acres of commercial cotton permitted for the current season, down approximately 20 thousand acres from last year, each year been dropping significantly.

FRESNO COUNTY

Gary Martin stated that the cotton was looking good around his area. There was some early season rain which resulted in some cotton needing to be replanted. The cotton is growing now, and most of the seeds have sprouted.

KERN COUNTY

Joey Mendonca stated that the cotton looked good in his area. There was a lot of rain, and all cotton seeds came out and is off to a good start. However, cotton acreage is down from last year due to water issues.

TULARE COUNTY

Greg Watte stated that this year in his area Pima is up but expects to lose overall acreage due to the loss of water. The stands look good, but there is some *Fusarium*.

PROGRAM UPDATES

COTTON PEST CONTROL PROGRAM UPDATE

Emily Schoenborn presented the 2022 Cotton Pest Control (CPC) Program (Program) work plan summary and provided a Program update on pink bollworm trap monitoring and silverleaf whitefly survey.

Discussion followed.

NAVAL ORANGEWORM PROJECT UPDATE

Lauren Murphy provided an update on the Navel Orangeworm (NOW) Project. She stated that this year the project is continuing with the same acreage, zones, and aerial release schedule as the 2021 season.

Discussion followed.

COTTON SEED BUG UPDATE

Michelle Dennis presented an update on the cotton seed bug.

Discussion followed.

FISCAL MATTERS**2021/2022 ACTUAL BUDGET EXPENDITURES**

Canh Nguyen reviewed the Program budget. The Program's total FY 2021/2022 actual expenditures as of April 2022 were \$819,644.

Discussion followed.

2021/2022 RECEIVED AND PROJECTED REVENUES

Mr. Nguyen reviewed the Received and Projected Revenue sheet for FY 2021/2022. As of April 2022, the revenues received are \$430,808 with several season assessments still pending. Based on the California Cotton Ginners and Growers Association's 2022 cotton crop acreage survey data, projected revenues for FY 2022/2023 are \$795,600.

Discussion followed.

MOTION:

Gary Martin moved that the Board accept and approve the Proposed FY 22/23 Fund Agreement authorizing six monthly transfers of \$164,219 from July 15, 2022 through December 15, 2022, as needed. The motion was seconded by Bill Stone and passed unanimously.

VOTES:**YES**

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone
Greg Watte

NO

None

ABSTENTION

None

MOTION:

Joey Mendonca moved that the Board accept and approve the financial documents as presented: CCPCB Current Budget FY 21/22 and Proposed Budget FY 22/23, Past Actual Expenditures, Received and Projected Revenue FY 21/22, and Fund Condition Statement. The motion was seconded by Greg Watte and passed unanimously.

VOTES:**YES**

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone

NO

None

ABSTENTION

None

Greg Watte

MOTION:

Bill Stone moved that the Board accept and approve the Cotton Seed Bug Survey Budget for the 2022 cotton season. The motion was seconded by Gary Martin and passed unanimously.

VOTES:

YES

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone
Greg Watte

NO

None

ABSTENTION

None

COTTON BALE ASSESMENT RATES

The Board briefly discussed the Cotton Bale Assessment Rates.

PUBLIC COMMENTS ON MATTERS NOT ON THE AGENDA

None

AGENDA ITEMS FOR FUTURE MEETINGS

Ms. Murphy reminded the Board of the future meeting date that is set:

- Fall Board Meeting: Thursday, December 1, 2022.

MOTION:

Gary Martin moved that the Board request CDFA staff distribute updated assessment revenue information for FY 21/22 as soon as it's available. The motion was seconded by Joey Mendonca and passed unanimously.

VOTES:

YES

Gary Martin
Joey Mendonca
Ted Sheely
Bill Stone
Greg Watte

NO

None

ABSTENTION

None

ADJOURN

Mr. Sheely adjourned the meeting at 11:12 am.

Lauren Murphy
Secretary to the Board

California Cotton Pest Control Board

December 1, 2022

<u>MEMBER</u>	<u>DISTRICT</u>	
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	Merced County	_____
Vacant Position	Public Member	_____

CDFA ANNOUNCES VACANCY ON
THE CALIFORNIA COTTON PEST CONTROL ADVISORY BOARD

SACRAMENTO, December 1, 2022 - The California Department of Food and Agriculture's (CDFA) Integrated Pest Control Branch is announcing two vacancies on the California Cotton Pest Control Board. This Advisory Board makes recommendations to the CDFA Secretary on all matters pertaining to the Cotton Pest Control Program.

The term of office for a Board Member is unlimited. The Members receive no compensation, but are entitled to payment of necessary traveling expenses 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 one the Board appointments should send a brief resume by April 30, 2023 to

**California Department of Food and Agriculture
Integrated Pest Control Branch
2895 N. Larkin Ave, Suite A
Fresno, CA 93727
Attention: Lauren Murphy**

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

**2022 PINK BOLLWORM TRAP MONITORING
WORK PLAN SUMMARY
SAN JOAQUIN VALLEY**

MAPPING

- Began the week of May 2nd for both the Shafter and Fresno offices
- ArcGIS Collector was used to identify current cotton field locations
- Shafter & Fresno Districts began mapping in the southern ends of their respective district areas
- Mapping was completed June 13th

GENERAL DETECTION TRAPPING

- Trap placement began the week of May 2nd
- All cotton in the San Joaquin Valley (SJV) was 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 were serviced on a biweekly basis
- Trapping ended on October 13th
- No PBW moths were detected in 2022

PLOWDOWN SURVEY

- Cotton plowdown maps have been sent to all SJV County Agricultural Commissioner (CAC) Offices
- The Program will review plowdown reports submitted by CAC Offices
- Reduced Tillage System Permits were renewed October 17th and are valid through October 31st, 2023

**2022 PINK BOLLWORM TRAP MONITORING
WORK PLAN SUMMARY
NORTHERN CALIFORNIA**

MAPPING

- The Program utilized County Agricultural Commissioner's/growers' cotton field locations
- ArcGIS Collector was used to verify current cotton field locations

GENERAL DETECTION TRAPPING

- Trap placement occurred the week of August 22nd
- Trapped at a ratio of 1 trap per field
- Trapped until HU model indicated it was unlikely to complete another generation
- Trapping ended the week of September 26th

**2022 PINK BOLLWORM TRAP MONITORING
WORK PLAN SUMMARY
SOUTHERN CALIFORNIA**

MAPPING

- Began the week of June 6th
- Mapping was conducted by Program personnel

GENERAL DETECTION TRAPPING

- General detection trapping was conducted by Program personnel
- Trap placement began the week of June 6th
- All Bt cotton in Southern California was trapped at a ratio of 1 trap per 80 acres
- Trapping ended on October 27th
- Boll weevil (BW) lures were paired with pink bollworm (PBW) trap sites in Southern California

PLOWDOWN SURVEY

- Cotton plowdown maps have been sent to Imperial and Riverside CAC Offices
- CAC personnel will monitor fields for compliance with cotton plowdown regulations
- Reduced Tillage System Permits were renewed October 17, 2022 and are valid through October 31, 2023

2022 CALIFORNIA COTTON ACREAGE					11/3/2022
California Cotton Acreage:				Total Acres: 133,785	Total Traps: 1,271
Pima Acreage =				115,127	
Upland Acreage =				11,190	
Bt Acreage =				7,468	
San Joaquin Valley					
Total Cotton Acreage =				125,449	1,177
Upland Acreage =				10,329	
Pima Acreage =				115,120	
County	Total Acres	Pima Acres	Upland Acres	Traps	
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	
Sacramento Valley					
Cotton Acreage=				868	3
County	Total Acres	Pima Acres	Upland Acres	Traps	
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	
Southern California					
Cotton Acreage=				7,468	91
County	Total Acres	Pima Acres	Conventional Cotton Acres	Bt Cotton Acres	Traps
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.					

2022 SILVERLEAF WHITEFLY SURVEY

- Silverleaf whitefly (SLWF) surveys began on Monday, June 29, 2022 and continued through Monday, August 22, 2022.
- One round of SLWF sample collection and processing was completed during the 2022 cotton growing season.
- Program personnel collected samples from designated sites at ten percent of all cotton fields in each county in the San Joaquin Valley. The Program had a total of 152 SLWF sampling sites:
 - Fresno County: 39 sites
 - Kern County: 16 sites
 - Kings County: 28 sites
 - Madera County: 1 site
 - Merced County: 58 sites
 - Tulare County: 10 sites
- In 2022, Program personnel collected and processed a total of 1,520 leaves.
- Below are the results from the 2022 season's SLWF survey:

SLWF - Leaf Counts - 2022 Survey

6/29/22 - 8/10/22

<u>County</u>	<u>Sample Period</u>	<u>Sample Sites</u>	<u>No. Leaves in Each Range of Nymphs Per Leaf</u>				<u># Leaves</u>	<u>% Leaves w/ SLWF nymphs</u>
			<u>0</u>	<u>1 - 5</u>	<u>6 - 49</u>	<u>50+</u>		
Kern	8/03-8/10	16	143	16	1	0	160	11%
Kings	7/20-8/01	28	266	14	0	0	280	5%
Tulare	7/27-8/02	10	99	1	0	0	100	1%
Fresno	6/29-7/19	39	366	24	0	0	390	6%
Madera	7/08	1	10	0	0	0	10	0%
Merced	7/08-7/28	58	546	34	0	0	580	6%
Totals	6/29-8/02	152	1430	89	1	0	1520	6%

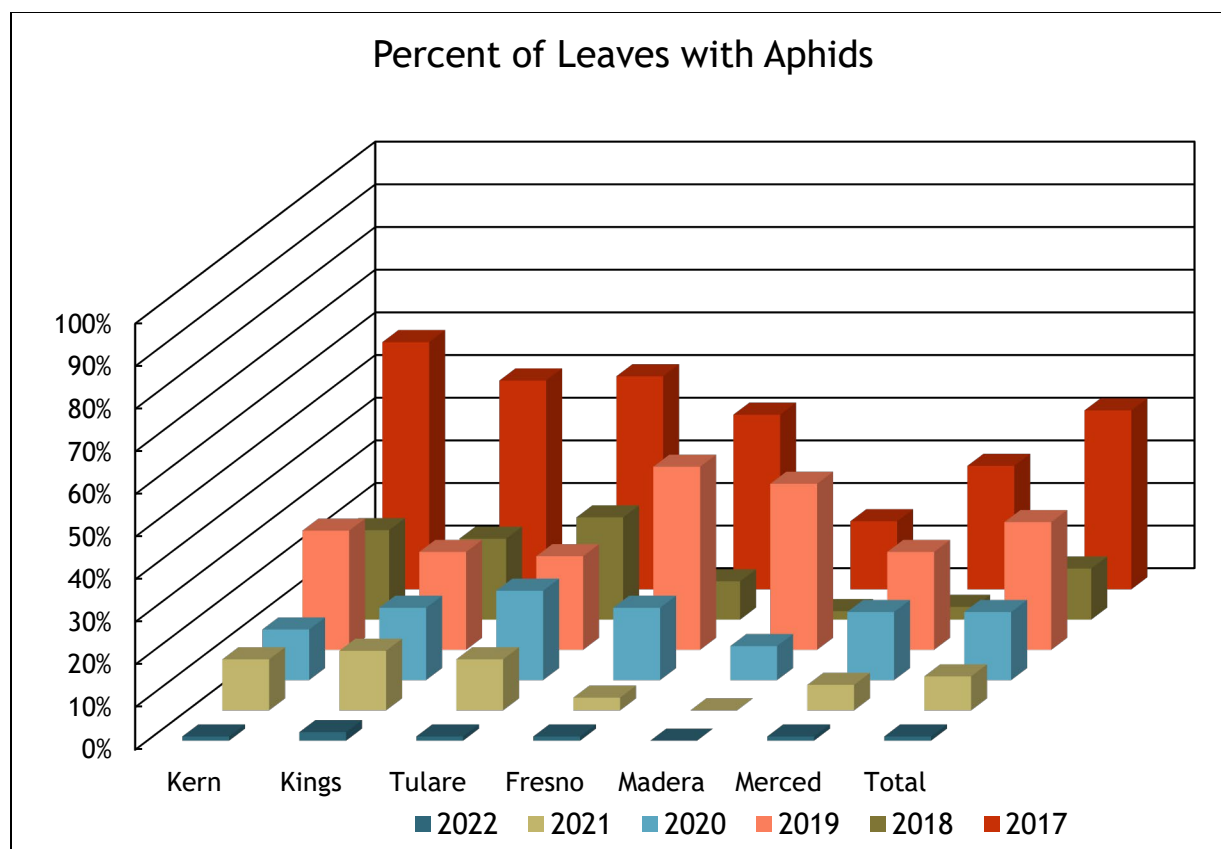
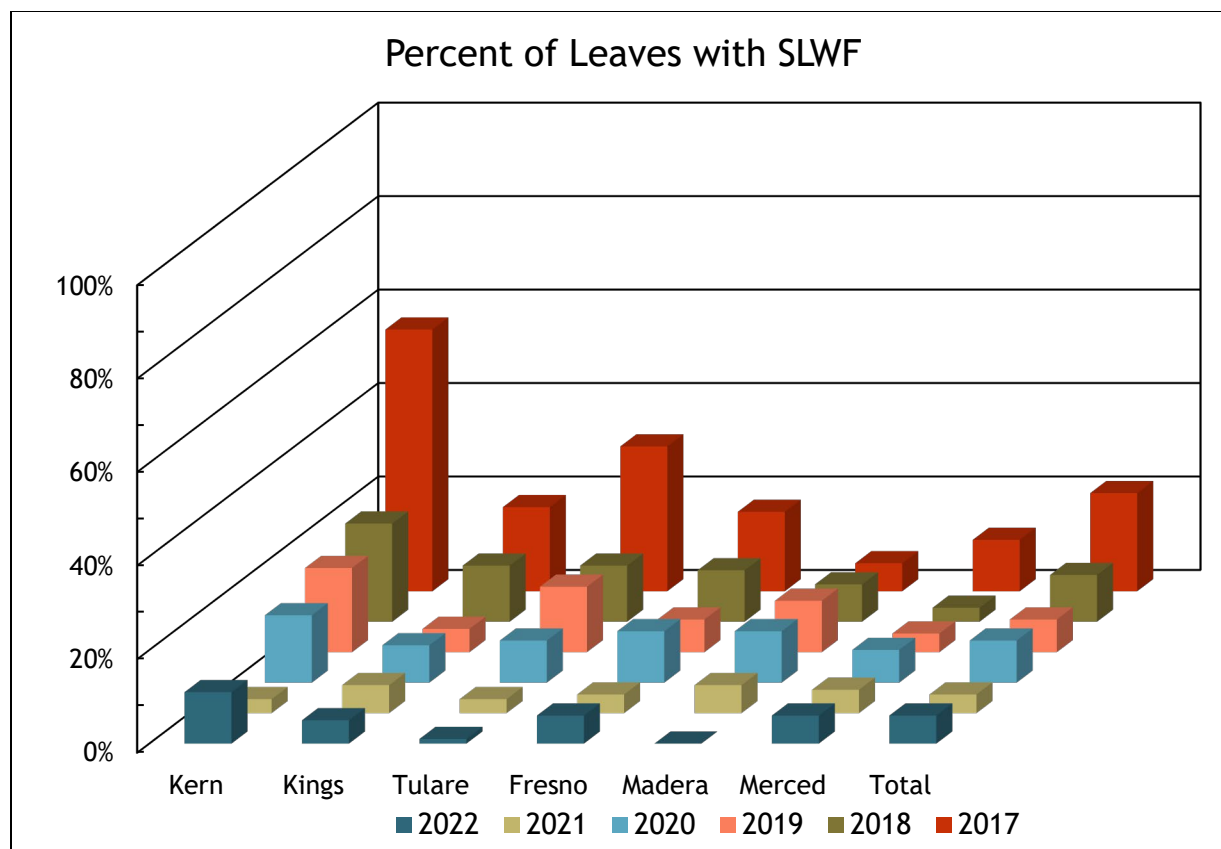
APHID - Leaf Counts - 2022 Survey

6/29/22 - 8/10/22

<u>County</u>	<u>Sample Period</u>	<u>Sample Sites</u>	<u>No. Leaves in Each Range of Aphids Per Leaf</u>				<u># Leaves</u>	<u>% Leaves w/ Aphids</u>
			<u>0</u>	<u>1 - 5</u>	<u>6 - 49</u>	<u>50+</u>		
Kern	8/03-8/10	16	158	1	1	0	160	1%
Kings	7/20-8/01	28	274	6	0	0	280	2%
Tulare	7/27-8/02	10	99	1	0	0	100	1%
Fresno	6/29-7/19	39	387	3	0	0	390	1%
Madera	7/08	1	10	0	0	0	10	0%
Merced	7/08-7/28	58	575	5	0	0	580	1%
Totals	6/29-8/02	152	1503	16	1	0	1520	1%

- Below is a comparison of results from the 2021 SLWF survey and the 2022 SLWF survey:

	2021	2022	2021	2022
<u>County</u>	<u>% Leaves w/ SLWF Nymphs</u>	<u>% Leaves w/ SLWF Nymphs</u>	<u>% Leaves w/ Aphids</u>	<u>% Leaves w/ Aphids</u>
Kern	3%	11%	12%	1%
Kings	6%	5%	14%	2%
Tulare	3%	1%	12%	1%
Fresno	4%	6%	3%	1%
Madera	6%	0%	0%	0%
Merced	5%	6%	6%	1%
Total	4%	6%	8%	1%



2022 COTTON SEED BUG SURVEY

- The 2022 statewide survey for the cotton pest *Oxycarenus hyalinipennis*, also known as cotton seed bug (CSB) began Tuesday, September 6, 2022.
- The survey included visual inspection as well as sampling of a small number of bolls at 10% of the cotton acreage in each cotton growing county and visual inspection of 10% of okra acreage in each okra growing county in California.
- Program personnel completed 231 field surveys throughout the following counties: Colusa, Contra Costa, Fresno, Glenn, Imperial, Kern, Los Angeles, Madera, Merced, Napa, Placer, Riverside, Sacramento, San Bernardino, San Diego, San Joaquin, Santa Clara, Stanislaus, Sutter, Tulare, and Yolo.
- Program personnel completed field surveys on Wednesday, October 19, 2022. Sample processing is ongoing.

2022 Navel Orangeworm Program Update

Project Site

Zone #	Crop Type	Acres	Aerial SIT Release/Non-Release	Date Added to Area Wide Project
Zone 1	Pistachio	640	Release	May 5, 2020
Zone 2	Pistachio	640	Non-Release	May 5, 2020
Zone 3	Almond	640	Release	May 5, 2020
Zone 4	Almond	640	Non-Release	May 5, 2020
Zone 5	Pistachio	640	Release	May 17, 2021
Zone 6	Pistachio	160	Non-Release	May 17, 2021
Zone 7	Almond	640	Release	May 17, 2021
Zone 8	Almond	160	Non-Release	May 17, 2021

Each 640-acre zone has 36 trap sites spread evenly throughout the section; each 160-acre zone has 9 trap sites spread evenly throughout the quarter-section. All trap sites include two wing traps: one trap baited with NOW pheromone/PPO lures and one trap baited with pistachio meal. All traps are serviced on a weekly basis.

Aerial Sterile Insect Technique (SIT) Release

Aerial SIT releases began March 15, 2022, with one magazine of approximately 750,000 sterile NOW moths released over Zones 1 and 3 once per day, seven days per week.

Beginning May 28, 2022, a second magazine of approximately 750,000 sterile NOW moths was released over Zones 5 and 7 once per day, five days per week, with regular releases being diverted two days per week to separate sites for research purposes.

CDFA conducted ground releases in lieu of aerial releases when release aircrafts were unavailable.

The final aerial SIT releases of the 2022 season were conducted on October 15, 2022.

Quality Control tests were performed on every shipment of NOW SIT moths used for aerial or ground releases during the 2022 season.

Post Season Damage Data

In 2022, CDFA was tasked with collecting damage data for the almond sites participating in the NOW Project.

CDFA personnel collected samples during the harvest of nonpareil varieties. Post-shake, 300 nuts were collected from the ground around each trap site within Zones 3, 4, 7, and 8.

For each sample, CDFA personnel counted out 250 nuts and removed the hulls by hand. The in-shell nuts were processed through a nutcracker machine and all kernel meat was separated out and weighed. Kernel meat showing any signs of NOW damage was separated out and weighed.

In October, CDFA was asked to collect the 2022 pistachio grade sheets from all pistachio growers participating in the 2022 NOW Project. Grade sheets were collected for all zones and submitted to the CDFA Plant Data Analysis Services.

Zone	Crop	Release vs Non-Release	% NOW Damage*
1	Pistachios	Release	0.5%
2	Pistachios	Non-Release	1.0%
3	Almonds	Release	1.0%
4	Almonds	Non-Release	5.4%
5	Pistachios	Release	0.1%
6	Pistachios	Non-Release	0.3%
7	Almonds	Release	2.6%
8	Almonds	Non-Release	12.1%
*Pistachio damage was reported as 'Insect Damage'			

Committee Meetings

The NOW Action Committee held a meeting on Tuesday, November 29, 2022.

Future Technical Advisory Committee meeting dates are pending.

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 Fiscal Nov. 2022)	Available Balance	PROPOSED BUDGET 2023-2024	COMMENTS
Permanent Salaries	378,000	126,317	251,683	378,000	[1]
Temporary Salaries	230,000	80,361	149,639	230,000	[2]
Staff Benefits, incl. Unemployment, W.C.	265,000	64,382	200,618	265,000	[3]
Sal/Wage Chg/Recovery		-51,367	51,367		
Overtime/Other Special Pay			0		
TOTAL PERSONNEL SERVICES	873,000	219,694	653,306	873,000	
OPERATING EXPENSE					
General Expense	5,000	2,803	2,197	5,000	PA
Printing	500	0	500	500	PA
Communications	8,000	6,518	1,482	8,000	PA
Postage	500	324	176	500	PA
Insurance	15,000	17,934	-2,934	20,000	[4]
Travel In-State	4,000	925	3,075	4,000	[5]
Travel Out-State	0		0	0	
Training	0		0	0	[6]
Facilities Operation	165,000	27,723	137,277	150,000	[7]
Utilities	110,000	14,959	95,041	100,000	[7]
Consult -Prof Serv	2,000	-111,276	113,276	2,000	
Departmental Services					Budget OFC
Other					
Indir-Dept. IT	60,000	-5,531	65,531	60,000	PA
Indir-Exec/Admin	110,000	70,086	39,914	110,000	PA
Indir-Division	70,000	28,375	41,625	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, bambo	5,000	2,473	2,527	5,000	
Start Up Cost for PBW financ	50,000		50,000	50,000	[13]
Cotton Seed Bug Survey	150,631		150,631	150,631	
Pesticide Purchase/ Lab Supplies	2,000		2,000	2,000	
Vehicle Operations	80,000	50,979	29,021	80,000	[10]
Vehicle Purchase				40,000	
Payment to Counties	65,000	16,028	48,972	65,000	[11]
Special Items of Expense (PRF-Tax	130,000	97,715	32,285	130,000	[12]
Unallocated OE&E					
Internal Cost Recovery					
TOTAL OE&E	\$1,097,631	\$220,034	\$877,597	\$1,117,631	
TOTAL PROGRAM	\$1,970,631	\$439,728	\$1,530,903	\$1,990,631	
AGRICULTURAL FUND	\$1,970,631	\$439,728	\$1,530,903	\$1,990,631	
Unclaimed Gas Tax Refund (224C)					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	126,317
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	80,361
Staff Benefits	395,000	270,385	350,000	262,470	265,000	176,169	265,000	150,262	265,000	60,219
Sal/Wage Chg/Recovery		-27,260		-42,468		-196,020		-77,946		-51,367
Workers Comp; Unemployment		72,842		40,410		27,496		12,200		4,164
TOTAL PERSONNEL SERVICES	\$981,001	\$959,569	\$955,000	\$885,460	\$873,000	\$603,617	\$873,000	\$479,807	\$873,000	\$219,694
OPERATING EXPENSE										
General Expense	15,000	2,446	10,000	1,255	5,000	3,472	5,000	4,544	5,000	2,803
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	6,518
Postage	1,000	1,442	500	178	500	227	500	2,891	500	324
Insurance	11,000	13,922	13,000	12,213	14,000	8,954	14,000	15,195	15,000	17,934
Travel In-State	4,000	2,472	5,000	3,264	1,000	1,088	1,000	3,252	4,000	925
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	0
Facilities Operation	135,000	112,594	135,000	136,949	165,000	109,977	165,000	128,004	165,000	27,723
Utilities	150,000	277,998	200,000	182,427	110,000	110,489	110,000	50,214	110,000	14,959
Consult -Prof - IntraDepart	1,500	1	1,500	0	0	191	0	4,142	2,000	-111,276
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	-5,531
Intradepartmental Charges:										
(Direct & Indirect Charges)	210,000	134,191	200,000	110,344	185,000	116,451	185,000	211,738	180,000	98,460
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	0
Field Expenses	15,000	1,793	15,000	8,222	4,000	13,869	5,000	0	5,000	2,473
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	50,979
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	97,715
TOTAL OE&E	\$1,084,405	\$852,613	\$1,107,719	\$872,471	\$916,000	\$684,379	\$1,112,631	\$747,591	\$1,097,631	\$220,034
TOTAL PROGRAM	\$2,065,406	\$1,812,182	\$2,062,719	\$1,757,932	\$1,789,000	\$1,287,996	\$1,985,631	\$1,227,397	\$1,970,631	\$439,728
TOTAL EXPENDITURE	\$2,065,406	\$1,812,182	\$2,062,719	\$1,757,932	\$1,789,000	\$1,287,996	\$1,985,631	\$1,227,397	\$1,970,631	\$439,728
AGRICULTURAL FUND (-Gas Tax)	\$2,041,561	\$1,784,920	\$2,062,719	\$1,697,290	\$1,789,000	\$1,233,245	\$1,985,631	\$1,227,397	\$1,970,631	\$439,728
Schd Reimbursements										
Unclaimed Gas Tax Refund (224C)	\$23,845	\$27,262		\$60,642		\$54,751				

* Actuals as of 11/23/2022 reported in Fi\$cal

Received and Projected Revenues

2021 PRODUCTION ESTIMATES*
2022 ASSESSMENT PROJECTION**

November 2022

2021 Crop Year *		Production			Assessments
<u>FY 2021/2022</u>	<u>Acreage</u>	<u>Bales/Acre</u>	<u>Total Bales</u>	<u>Rate/Bale</u>	<u>Total</u>
Sac. Valley	811	*	*0	\$0.50	\$0
SJV & So. CA.	110,925	2.79	*309,935	\$2.00	\$619,870.00
Total	111,736		*309,935		\$619,870.00

2022 Crop Year**		Production Estimates			Assessments
<u>FY2022/2023</u>	<u>Acreage</u>	<u>Bales/Acre</u>	<u>Total Bales</u>	<u>Rate/Bale</u>	<u>Total</u>
Projection	133,785	3.00	401,355	\$2.00	\$802,710

*2021 Season assessments as of November 2022

**2022 Projection based on Cotton Pest Control Program mapped cotton acreage data for the 2022 cotton growing season

**Department of Food and Agriculture
Fund Condition Statement
California Cotton Pest Control Board
As of November 18, 2022**

Bank of the West (B of W) Funds					
	<i>Actual</i> 2021/2022	<i>Projected</i> 2022/2023	<i>Projected</i> 2023/2024	<i>Projected</i> 2024/2025	<i>Projected</i> 2025/2026
B of W BEGINNING BALANCE	8,388,775	9,010,554	8,307,464	7,604,373	6,901,283
Revenues deposited into B of W	619,870	795,000	795,000	795,000	795,000
Funds transferred to CDFA Account	0	(1,500,000)	(1,500,000)	(1,500,000)	(1,500,000)
Penalties	0	0	0	0	0
Bank Charges	0	0	0	0	0
Interest	1,909	1,909	1,909	1,909	1,909
TOTAL B of W RESERVE	9,010,554	8,307,464	7,604,373	6,901,283	6,198,192
CDFA Fund Condition					
	<i>Actual</i> 2021/2022	<i>Projected</i> 2022/2023	<i>Projected</i> 2023/2024	<i>Projected</i> 2024/2025	<i>Projected</i> 2025/2026
CDFA BEGINNING BALANCE	1,329,956	(220,908)	(348,946)	(457,813)	(559,279)
Prior Year Adjustments	(217,025)				
Adjusted Balance	1,112,931	(220,908)	(348,946)	(457,813)	(559,279)
REVENUE:					
Fees and assessments	0	0	0	0	0
Transfer from B of W	0	1,500,000	1,500,000	1,500,000	1,500,000
Penalties	0	0	0	0	0
Interest Income from Loan	0	0	0	0	0
Sale of Fixed Assets	0	0	0	0	0
SMIF Interest /a	11,610	0	0	0	0
TOTAL REVENUE	11,610	1,500,000	1,500,000	1,500,000	1,500,000
TOTAL RESOURCES	1,124,541	1,279,092	1,151,054	1,042,187	940,721
EXPENDITURES:					
Paid in current year	1,227,397	1,500,000	1,500,000	1,500,000	1,500,000
Pro Rata	86,401	96,389	77,217	77,217	77,217
Pension Payment (Senate Bill 84)	31,650	31,650	31,650	24,249	0
Revenue transfer					
TOTAL EXPENDITURES	1,345,448	1,628,039	1,608,867	1,601,466	1,577,217
CDFA RESERVE	(220,908)	(348,946)	(457,813)	(559,279)	(636,496)
Combined Reserves					
	<i>Actual</i> 2021/2022	<i>Projected</i> 2022/2023	<i>Projected</i> 2023/2024	<i>Projected</i> 2024/2025	<i>Projected</i> 2025/2026
TOTAL B of W RESERVE	9,010,554	8,307,464	7,604,373	6,901,283	6,198,192
CDFA RESERVE	-220,908	-348,946	-457,813	-559,279	-636,496
TOTAL PROGRAM RESERVE	8,789,647	7,958,517	7,146,560	6,342,004	5,561,696

/a Based on the SMIF rate at 9/30/2022 of 1.220%

Cotton Seed Bug Survey Budget

Item		
<i>Survey 10% of 179,000 acres</i>		
Personnel	Budget	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
Trapping		
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 # [REDACTED] to the **CDFA** General Checking Account # [REDACTED] on the following dates:

January 15, 2023	\$164,219.00
February 15, 2023	\$164,219.00
March 15, 2023	\$164,219.00
April 15, 2023	\$164,219.00
May 15, 2023	\$164,219.00
June 15, 2023	\$164,219.00

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 _____, 2022.

CALIFORNIA DEPARTMENT OF FOOD
AND AGRICULTURE

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

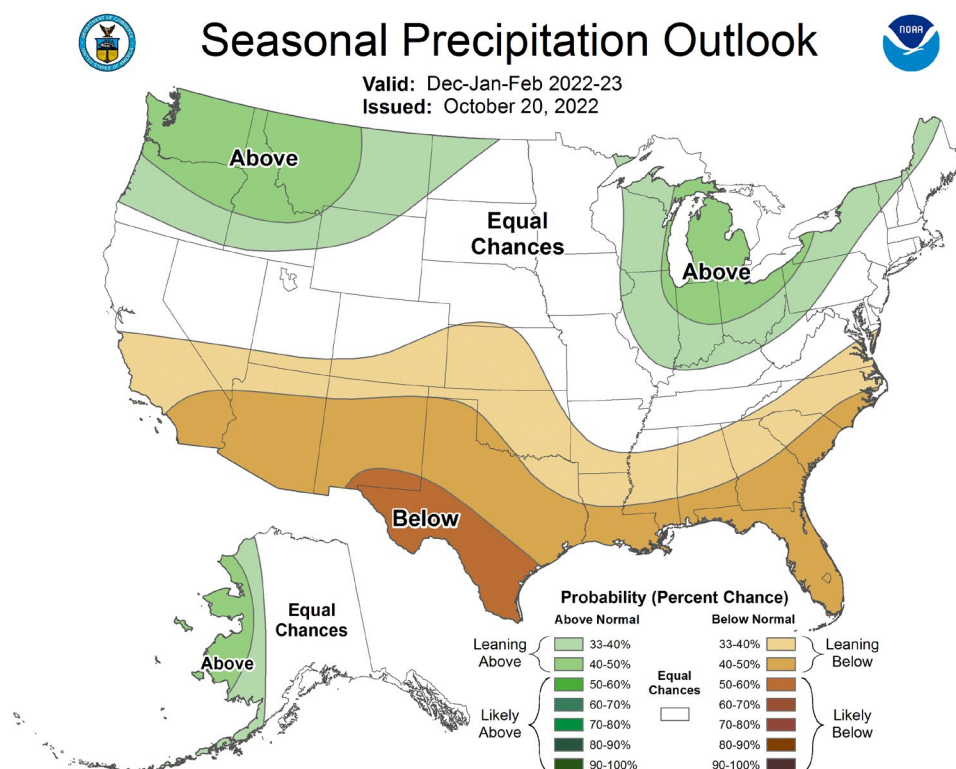
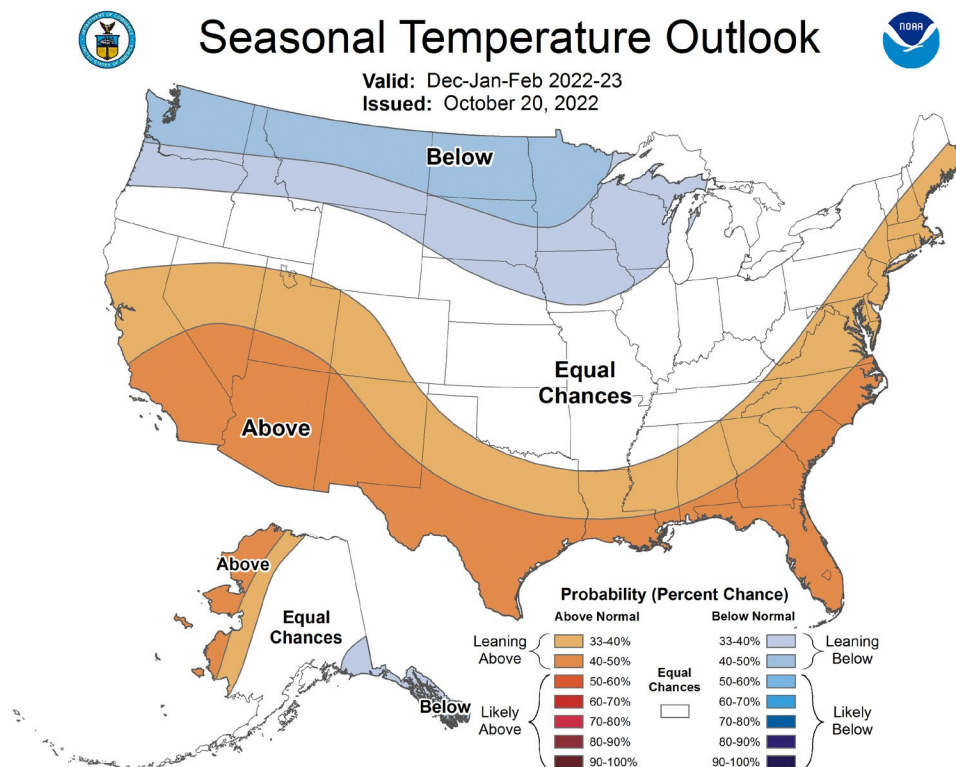
Pursuant to the authority duly delegated to me by the Secretary of the California Department of Food and Agriculture, in my official capacity as Director of Administrative Services for the Department, I certify that the foregoing agreement is in full force and effect and has not been revoked or amended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

In witness whereof, I have executed this Certification on _____, 2022.

CALIFORNIA DEPARTMENT OF FOOD
AND AGRICULTURE

Jody Lusby, Director of Administrative Services

Three Month Weather Outlook (December 2022 – February 2023)



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

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, 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