

# COTTON PEST CONTROL PROGRAM – BIWEEKLY REPORT

55 YEARS OF SERVICE TO COTTON GROWERS

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Period Ending August 19, 2022

## Program Updates:

### Statewide Cotton Seed Bug Survey

A statewide survey for the cotton pest *Oxycarenus hyalinipennis*, also known as the cotton seed bug (CSB), is being conducted by the California Department of Food and Agriculture during the period of September 1 – December 31, 2022. The survey will include a visual aspect as well as sampling a small number of bolls in each area.

### Silver Leaf Whitefly Survey

Silverleaf whitefly (SLWF) surveys began the week of June 27, 2022 with Cotton Pest Control (CPC) Program (Program) personnel collecting random samples from sites at ten percent of all cotton fields in each cotton growing county in the San Joaquin Valley (SJV). Table 1 presents the silver leaf whitefly count results from the first round of sampling which occurred from June 29<sup>th</sup> to August 2<sup>nd</sup>.

Table 1.

<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>		
<b>Kern</b>	8/3-8/10	16	143	16	1	0	160	11%
<b>Kings</b>	7/20-8/01	28	266	14	0	0	280	5%
<b>Tulare</b>	7/27-8/2	10	99	1	0	0	100	1%
<b>Fresno</b>	6/29-7/19	39	366	24	0	0	390	6%
<b>Madera</b>	7/8	1	10	0	0	0	10	0%
<b>Merced</b>	7/8-7/28	58	546	34	0	0	580	6%
<b>Totals</b>	6/29-8/2	152	1430	89	1	0	1520	6%

## Sacramento Valley:

The Program has received projected cotton acreages from Northern California counties. The total projected cotton acreage for Northern California is 2,001 acres (up from 811 acres in 2021) with 1,469 acres in Colusa County (up from 482 acres in 2022), 184 acres in Glenn County (up from 244 acres in 2021), and 348 acres in Sutter County (up from 85 acres in 2022).

Program personnel are scheduled to travel to the Sacramento Valley during the week of August 22 to confirm cotton acreages and place pink bollworm (PBW) traps.

## San Joaquin Valley:

Cotton mapping for the San Joaquin Valley was completed the week of June 13, 2022. There have been some updates to the originally mapped numbers, and they stand as follows:

The current total mapped acreage for the SJV is 121,563 acres (up from 102,218 acres in 2021). The breakdown of cotton acreage is 32,150 acres in Fresno County (up from 24,579 acres in 2021), 9,591 acres in Kern County (up from 8,607 acres in 2021), 45,662 acres in Kings County (up from 42,552 acres in 2021), 28,762 acres in Merced County (up from 20,279 acres in 2021), 254 acres in Madera County (up from 249 acres in 2021), and 5,144 acres in Tulare County (down from 5,952 acres in 2021).

Program personnel have placed and are currently servicing a total of 1,173 traps as seen in Table 2. Traps are being serviced on a biweekly basis, which will continue through mid-October.

Table 2.

San Joaquin Valley Trap Counts	
County	Traps in Operation
Kern	102
Kings	346
Tulare	63
Fresno	329
Merced	327
Madera	6
<b>Total</b>	<b>1,173</b>

Pima acreage will be reported once it has been confirmed by Program personnel.

There were no pink bollworm moths (PBW) detected in any of these counties last year. Therefore, there are currently no plans to release sterile moths in cotton fields in the SJV this year.

## Southern California:

Cotton mapping for Southern California was completed the week of June 6, 2022. The current total mapped cotton acreage for the 2022 season in Southern California is 7,453 acres (down from 8,706 acres in 2021). There are 5,716 acres of cotton in Riverside County (down from 6,690 acres in 2021) and 1,737 acres of cotton in Imperial County (down from 2,016 acres in 2021).

Trap placement in Southern California was completed the week of June 6, 2022. Program personnel have placed and are currently servicing a total of 119 traps as seen in Table 3. Traps are being serviced on a weekly basis which will continue through October.

Table 3.

Southern California Trap Counts	
County	Traps in Operation
Imperial	29
Riverside	90
<b>Total</b>	<b>119</b>