

COTTON PEST CONTROL PROGRAM – BIWEEKLY REPORT

55 YEARS OF SERVICE TO COTTON GROWERS

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Period Ending October 21, 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), was conducted by the California Department of Food and Agriculture from September 6 – October 19, 2022. The survey included a visual aspect as well as sampling a small number of bolls in each area. CSB update reports are posted on the website at the following location: https://www.cdfa.ca.gov/Plant/IPC/PinkBollworm/CSB_weekly-Reports.html.

Silverleaf 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).

Sacramento Valley:

The total mapped cotton acreage for Northern California in 2022 was 868 acres (up from 810 acres in 2021) with 143 acres in Colusa County (down from 481 acres in 2021), 7 acres in Yolo County (up from 0 acres in 2021), and 718 acres in Glenn County (up from 244 acres in 2021).

Trap placement for pink bollworm (PBW) monitoring was completed the week of August 22nd and trap removal occurred the week of September 26th. No PBW moths were detected in the Sacramento Valley in 2022.

San Joaquin Valley:

Cotton mapping for the San Joaquin Valley (SJV) was completed the week of June 13, 2022. Throughout the season there were updates to the originally mapped numbers, and they stand as follows:

The total mapped cotton acreage for the SJV in 2022 was 124,496 acres (up from 102,218 acres in 2021). The breakdown of cotton acreage was 33,337 acres in Fresno County (up from 24,579 acres in 2021), 9,591 acres in Kern County (up from 8,607 acres in 2021), 46,988 acres in Kings County (up from 42,552 acres in 2021), 29,113 acres in Merced County (up from 20,279 acres in 2021), 254 acres in Madera County (up from 249 acres in 2021), and 5,213 acres in Tulare County (down from 5,952 acres in 2021).

The surveying and mapping of Pima acreage began on Monday, June 22, 2022. The total Pima acreage for the SJV in 2022 was 114,657 acres with 9,126 acres in Kern County, 42,638 acres in Kings County, 3,565 acres in Tulare County, 27,804 acres in Merced County, 31,328 acres in Fresno County, and 196 acres in Madera County.

Program personnel completed the removal of all SJV PBW traps on Thursday, October 13, 2022. No PBW moths were detected in any of these counties in 2022.

Southern California:

Cotton mapping for Southern California was completed the week of June 6, 2022. The total mapped cotton acreage for the 2022 season in Southern California was 7,233 acres (down from 8,706 acres in 2021). There were 5,716 acres of cotton in Riverside County (down from 6,690 acres in 2021) and 1,517 acres of cotton in Imperial County (down from 2,016 acres in 2021).

PBW trap placement in Southern California was completed the week of June 6, 2022. Program personnel have placed and are currently servicing a total of 110 traps as seen in Table 2. Traps are being serviced on a weekly basis which will continue through October 27.

Table 2.

Southern California Trap Counts	
County	Traps in Operation
Imperial	20
Riverside	90
Total	110