

PINK BOLLWORM PROGRAM – WEEKLY REPORT

40 YEARS OF SERVICE TO COTTON GROWERS



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Week Ending May 26, 2007

Pink Bollworm Activities

Southern California:

Native Pink Bollworm captures decreased 13% from last week. There were 19,532 native moths captured from 366 total traps, bringing the season total to 115,065 Native Pink Bollworm finds. There are also 102 Boll Weevil traps in operation that have detected zero (0) Boll Weevils. Agricultural Pest Control Supervisor, Jodi Brigman reported first bloom is occurring in both Imperial and Palo Verde Valley. This will trigger the area wide release of sterile moths over Southern California cotton. The first release is expected to begin June 1.

San Joaquin Valley:

Mapping crews have completed the “preliminary round” of mapping, with the exception of some areas around the Lemoore Naval Air Base. There are still a number of field maps that need to be digitized in Mapinfo. Cotton fields will be formatted, labeled and constructed into trap zones.

To date, there are 74,195 acres of cotton have been mapped in Kern County, 113,315 in Kings, 20,430 in Tulare, 135,970 in Fresno, 4,595 in Madera, and 24,895 acres of cotton mapped in Merced County. . All acreage totals to date are preliminary and adjustments will be made during the next eight to nine weeks. The final California cotton acreage report will most likely be published in mid-August. This early acreage calculation represents a 21% decrease of cotton in Kern County, 25% decrease in Kings County, 45% decrease in Tulare County, 24% decrease in Fresno County, 55% decrease in Madera County, and a 54% decrease in Merced County.

The 2007 Pink Bollworm heat unit (HU) model is running about 12 days ahead of 2006. Based on the 2007 HU model, General Detection Trapping (GDT) is set to begin on May 29th in Southern Kern County; and June 18th in all other areas of the San Joaquin Valley. Early Detection Traps will continue to be serviced until all GDT traps have been serviced once. Early Detection Traps, which are serviced on a two-week interval, caught 97% of the seasons total during the last two weeks. Warmer night-time temperatures and larger cotton plants are providing conditions favorable for both the survival and increased response to the lure. Total steriles recaptured to date equal 1,686 moths. A total of 12,050,718 sterile moths were received and released for the week, bringing the season release total to 39,986,144.

Sacramento Valley:

The latest HU projections indicate mapping and trapping will begin in mid August.