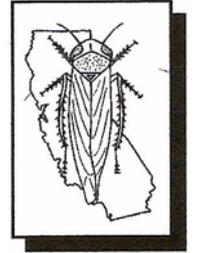


BEET CURLY TOP VIRUS

MONTHLY REPORT



CURLY TOP VIRUS CONTROL PROGRAM

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Report for August, 2015

Program-wide notice

- **New Pest Alert:** As of July 2015, APHIS confirmed the detection of three adult male Old World Bollworms (OWB) (*Helicoverpa armigera*) in Bradenton, Manatee County, Florida. These are the first detections of OWB in the continental United States. OWB is found in many countries in Africa, Europe, Asia, and the islands of the Western Pacific Region, and has recently become established in Brazil and Argentina. It is considered a severe economic pest in most places where it occurs. OWB feeds on many types of plants and can affect 180 species of wild and cultivated plants in more than 45 families. Some of the major hosts include:
 - tomatoes
 - beans and forage legumes
 - bell peppers
 - cotton
 - peas
 - okra
 - maize, wheat, and other small grains
 - artichokes
 - potatoes
- Further information can be found at <http://www.aphis.usda.gov/plant-health/owb>
- CDFA is providing this alert for your information. At this time, CDFA is not recommending any action. If there was sufficient community and financial support, CDFA could consider implementing a monitoring program. Because this pest affects many popular garden vegetables, it is likely to be moved by the general public as much as, or more so, than in trade. A monitoring program should therefore include urban as well as crop areas.

Fresno County

- Personnel continued to identify and monitor fallow fields for BLH populations as the Program prepares for the fall spray campaign. Mapping of fall host plants was completed. The host plants and BLH were very widespread. Adjustments to the mapped acreage will continue as fallow fields are disked or grazed.
- BLH population surveys and host plant surveys were conducted in Five Points and the Cantua Creek area. Russian thistle continued to develop in the areas mapped for fall treatment. BLH counts were minimal with an average of less than 1 adult BLH per sweep. Personnel observed high numbers of thrips and aphids while conducting BLH sweeps. A few areas that were mapped for fall treatment have been disked. A small portion of host plants persisted along the roadsides and dry

- ditch banks, with BLH counts that averaged 1 adult BLH per sweep.
- BLH and host plants were surveyed in the Three Rocks and Mendota areas. Fallow fields were mapped and fall host plants continued to develop. BLH counts were less than 1 adult BLH per sweep. Personnel observed high numbers of aphids during BLH sweeps.
- Surveys east of Highway 33 from Jensen Avenue to Manning Avenue were still being dry farmed, but will continue to be monitored for potential fall treatment. The area south of Manning Avenue to Mt. Whitney Avenue along the east side of Interstate 5 is typically treated in the fall. However, at this time, the area did not have any host plant development, but it will continue to be monitored.
- In Firebaugh, several fallow fields that were mapped for fall treatment have been disked and a few areas were fenced off for sheep. Two additional fields that were harvested began to show signs of Russian thistle development. Personnel will continue to monitor the fields for BLH. BLH counts were less than 1 adult BLH per sweep early in the month, but by the end of the month, BLH counts were 1 adult BLH per sweep.
- The Chevron and North Chevron properties were also surveyed for BLH and fall host plants. Russian thistle was very limited. Some small Russian thistle that began to develop showed signs of stress and die back by the end of the August. BLH counts were less than 1 adult BLH per sweep.
- Russian thistle began to develop in late spring around Interstate 5 and Highway 198. By the end of August it was showing signs of stress and die back. Other typical areas for Russian thistle development have been near Highway 33 and Palmer Avenue, El Dorado Avenue and Phelps Avenue, Jane Avenue and El Dorado Avenue. Personnel have not observed any Russian thistle development in those areas at this time.
- Mapping and monitoring of potential treatment sites will continue through September.
- Fall waivers were completed and distributed based upon the mapped areas considered for fall treatment.

Kern County

- Personnel continued to identify and monitor fallow fields for BLH populations as the Program prepares for the fall spray campaign.
- Mapping of fall host plants was completed. The host plants and BLH were very widespread. Adjustments to the mapped acreage will continue as fallow fields are disked or grazed. BLH counts within the mapped locations were less than 1 adult BLH per sweep.
- Mapping and monitoring of potential treatment sites will continue through September.
- Fall waivers were completed and distributed based upon the mapped areas considered for fall treatment.

Kings County

- Personnel continued to identify and monitor fallow fields for BLH populations as the Program prepares for the fall spray campaign.
- Mapping of fall host plants was completed. The host plants and BLH were very widespread. Adjustments to the mapped acreage will continue as fallow fields are disked or grazed. BLH counts within the mapped locations were less than 1 adult BLH per sweep.
- Areas south of Kettleman City and directly east of Interstate 5 and Utica Avenue have the most prevalent fall host plants. BLH counts were on average 1 adult BLH per sweep. An occasional BLH nymph was observed in isolated locations.
- A 300 acre fallow field with *Bassia* was mapped as a potential fall treatment site. The field is west of Highway 41 and south of Nevada Avenue. BLH counts were less than 1 adult per sweep.
- Mapping and monitoring of potential treatment sites will continue through September.
- Fall waivers were completed and distributed based upon the mapped areas considered for fall treatment.

Merced County

- Personnel will continue to identify and monitor fallow fields for BLH populations as the Program begins to prepare for the fall spray campaign.
- A fallow field in Chowchilla was surveyed for BLH. Sweep counts were 7 adult BLH and 3 nymphs per single sweep.
- A small fallow field north of Highway 152 and west of Highway 59 was mapped as a potential fall treatment site. The field has a lot of goosefoot, however, BLH counts were less than 1 adult BLH per sweep. Personnel will continue to monitor the field.
- Personnel continued to survey the County to learn specific BLH hot spots and host plant development sites.
- The two (2) host plant samples that were submitted for virus analysis in July were positive for curly top virus.

San Joaquin County

- Personnel will continue to identify and monitor fallow fields for BLH populations as the Program begins to prepare for the fall spray campaign.
- Personnel continued to survey the County to learn specific BLH hot spots and host plant development sites.
- A 67 acre fallow field with abundant Russian thistle was mapped as a potential fall treatment site. The field is west of Tracy and north of Highway 205, on Mountain House Parkway and West Grant Line Road.

Stanislaus County

- Personnel will continue to identify and monitor fallow fields for BLH populations as the Program begins to prepare for the fall spray campaign.
- Personnel continued to survey the County to learn specific BLH hot spots and host plant development sites.
- BLH survey counts were less than 1 adult BLH per sweep. There were no fallow fields observed.

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