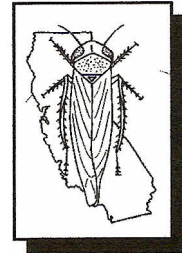


Beet Curly Top Virus Control Program

GROWER ALERT

California Department of Food and Agriculture
Plant Health and Pest Prevention Services
Integrated Pest Control Branch
2895 N. Larkin Ave, Suite A
Fresno, CA 93727
Phone: (559) 294-2031
Fax: (559) 294-2037



Alert for July 2022

Program Update

- In July, Beet Curly Top Virus Control Program (BCTVCP) personnel identified an increase in populations of beetle leafhopper (BLH) in select fallow fields in the San Joaquin Valley (SJV). Overall, BLH counts remained low in most survey areas.
- BLH population surveys were conducted in fallow fields and along roadsides in Fresno, Madera, Kings, and Kern Counties throughout July.
- Commodity damage surveys were also conducted in Fresno, Madera, Kings, and Kern counties throughout July.
- Increased late-season commodity damage was observed in northern counties that do not typically experience high curly top virus (CTV) incidence.
- Increased BLH activity was observed around the Firebaugh area.
- On July 11, 2022, high BLH counts (50-100 adults/nymphs per sweep) were observed in a fallow field off Nees Ave and Russel Ave outside of Firebaugh. Host plants were primarily goosefoot, Russian thistle, and *bassia*.
 - On July 13, 2022, ground-rig control operations were conducted on the eastern portion of the fallow field. The control area was limited due to the nearby presence of bee boxes.
 - On July 15, 2022, a subsequent kill check was performed and confirmed a reduction in the observed BLH population on the host plants that were in the control area. An average count of 1 BLH per 10 sweeps was observed.
- The Program will continue conducting BLH population surveys on the valley floor and mapping of fallow fields for future assessment and control operations. Some fallow fields display high densities of host plants along field borders and access roads. Die-off of late spring and early summer host plants, including goosefoot and *bassia*, is observed throughout the survey areas in the San Joaquin Valley.
- The Program would like to remind growers and PCA's that any fallow fields or weedy areas adjacent to susceptible crops should be inspected for BLH prior to disking or mowing. If a BLH infestation is present, please consider using an insecticide first. The Program can be available for BLH surveys and, if needed, control of fallow fields and/or roadsides where BLH counts reach the control threshold.
- Please visit the Program's webpage to view previously published reports.
https://www.cdfa.ca.gov/plant/ipc/curlytopvirus/ctv_hp.htm

- For program inquiries or questions regarding this report, please contact Christopher Dillon at christopher.dillon@cdfa.ca.gov or (916)-823-1169.

2022 Curly Top Virus Sample Results

- **Colusa County**
 - BLH Samples
 - 1 positive sample
 - Tomato Samples
 - 7 positive samples
 - 3 negative samples
- **Imperial County**
 - Host Plant Samples
 - 1 positive sample
 - BLH Samples
 - 3 positive samples
 - 1 negative sample
 - Sugar Beet Samples
 - 2 positive samples
 - 4 negative samples
- **Fresno County**
 - Host Plant Samples
 - 1 positive sample
 - 89 negative samples
 - Awaiting results for 4 samples
 - BLH Samples
 - 28 positive samples
 - 10 negative samples
 - Awaiting results for 3 samples
 - Tomato Samples
 - 47 positive samples
 - 34 negative samples
 - Awaiting results for 6 samples
- **Kern County**
 - Host Plant Samples
 - 1 positive sample
 - 24 negative samples
 - BLH Samples
 - 8 positive samples
 - 16 negative samples
 - Tomato Samples
 - 29 positive samples
 - 2 negative samples
 - Bell Pepper Samples
 - 1 positive sample
- **Kings County**
 - Host Plant Samples
 - 1 positive sample

- 21 negative samples
 - BLH Samples
 - 3 positive samples
 - 10 negative samples
 - Tomato Samples
 - 14 positive samples
 - 11 negative samples
 - BLH from Sticky Trap Samples
 - 36 positive samples
 - 57 negative samples
- **Madera County**
 - Tomato Samples
 - 5 positive samples
 - Awaiting results for 3 samples
- **Merced County**
 - Host Plant Samples
 - 1 negative sample
 - Tomato Samples
 - 19 positive samples
 - 5 negative samples
- **Monterey County**
 - Host Plant Samples
 - 6 negative samples
 - BLH Samples
 - 1 negative sample
- **San Joaquin County**
 - Tomato Samples
 - 9 positive samples
- **Stanislaus County**
 - Tomato Samples
 - 27 positive samples
 - 1 negative sample
- **Tulare County**
 - Tomato Samples
 - 3 positive samples
- **Yolo County**
 - Tomato Samples
 - 3 positive samples

County Reports

Fresno County

- Mapping of fallow fields containing summer/fall BLH host plants was ongoing throughout Fresno County. These mapped in areas will be closely monitored for developing BLH populations and potential fall control operations.
- Field surveys of fallow fields and roadside weeds throughout Fresno County are ongoing.
 - Moderate BLH activity (5-12 BLH per sweep) was noted in fallow fields north of Nees Ave outside of Firebaugh.
 - High BLH activity (10-25 BLH per sweep) was noted on roadside vegetation and fallow fields around Oro Loma. Nearby mowing and disking of roadside vegetation by Fresno County may spur the displacement of BLH to nearby fallow and tomato fields.
 - Low BLH activity (0-2 BLH per sweep) observed in Tranquility, San Joaquin, Three Rocks, Coalinga, Huron, Five Points, and Cantua Creek.

Kern County

- Mapping of fallow fields containing summer/fall BLH host plants was ongoing throughout Kern County. These mapped in areas will be closely monitored for developing BLH populations and potential fall control operations.
- Field surveys of fallow fields and roadside weeds throughout Kern County are ongoing.
 - Roadsides surveys were conducted throughout western Kern County. Host weeds included London rocket, Russian Thistle, and *bassia*. Overall BLH activity was low with surveys averaging 0-1 BLH per sweep.

Kings County

- Mapping of fallow fields containing summer/fall BLH host plants was ongoing throughout Kings County. These mapped in areas will be closely monitored for developing BLH populations and potential fall control operations.
- Field surveys of fallow fields and roadside weeds throughout Kings County are ongoing.
 - Fallow fields near Kettleman City and Strafford, containing primarily *bassia* and Russian Thistle, had minimal BLH activity with surveys averaging 0-1 BLH per sweep.

Madera County

- Field surveys of fallow fields and roadside weeds throughout Madera County are ongoing.
 - Fallow fields near Road 17 and Avenue 14, and Hemlock Road and Avenue 14 showed low BLH activity (0-1 BLH per sweep).

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