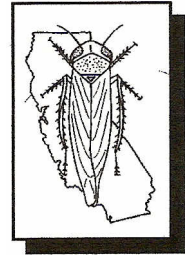


Beet Curly Top Virus Control Program

GROWER ALERT

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Alert for September 2022

Program Update

- In September, Beet Curly Top Virus Control Program (BCTVCP) personnel conducted beet leafhopper (BLH) fallow field and roadside surveying and mapping activities in Fresno, Kern, Kings, Madera, Merced, San Joaquin, and Stanislaus Counties. Overall, BLH counts remained low in most survey areas (0-3 BLH per sweep).
- Mapping activities and BLH population surveys were conducted in fallow fields and along roadsides in Fresno, Kern, Kings, Merced, San Joaquin, and Stanislaus Counties throughout September. These areas will continue to be surveyed and monitored closely for BLH population development. Fall control operations will be considered for areas with developing BLH populations.
- BLH nymph activity has been noted in some survey areas primarily on *Bassia*. Observed individuals were between 2nd and 3rd instar stages of development.
- Moderate BLH counts (6-7 BLH per sweep) were observed in a fallow field near Wheeler Ridge in Kern County. This area will continue to be monitored for BLH population development.
- BLH population surveys will be conducted in Madera, Merced, San Joaquin, and Stanislaus Counties and other northern areas throughout the month of October.
- On September 14, aerial and ground-rig control operations were performed on fallow acreage containing high BLH counts near Oro Loma (Oxford Ave and Courtney Ave). Aerial control operations were conducted over 260 acres and ground rig control operations were performed along the perimeters.
 - On September 19, a subsequent post-control efficacy check confirmed a reduction in observed BLH counts from 45 BLH per 10 sweeps (pre-control) to 0-3 BLH per 10 sweeps (post-control). This area will continue to be monitored for BLH population development.
- Brief rains in September have spurred host vegetation development on the western hillsides. BLH migration events may occur in the upcoming month(s) when vegetation and weather conditions permit. Observed host vegetation consists primarily of Russian thistle, *Bassia*, and pigweed.

- Reminder to 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. Growers or PCAs that have identified areas of concern can call the Program for assistance and follow up.
- Please visit the Program's newly updated webpage to view Program reports and alerts. 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 Beet 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
 - 2 positive samples
 - 90 negative samples
 - Awaiting results for 3 samples
 - BLH Samples
 - 30 positive samples
 - 11 negative samples
 - Awaiting results for 1 sample
 - Tomato Samples
 - 52 positive samples
 - 34 negative 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
 - 15 positive samples
 - 11 negative samples
 - BLH from Sticky Trap Samples
 - 36 positive samples
 - 57 negative samples
- **Madera County**
 - Tomato Samples
 - 8 positive samples
- **Merced County**
 - Host Plant Samples
 - 1 negative sample
 - Awaiting results for 1 sample
 - BLH Samples
 - Awaiting results for 1 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

- BLH population surveys in fallow fields and roadside vegetation throughout Fresno County are ongoing.
 - Aerial and ground-rig control operations were performed on fallow acreage near Oro Loma. A subsequent post-control efficacy check confirmed a reduction in observed BLH counts from 45 BLH per 10 sweeps (pre-control) to 0-3 BLH per 10 sweeps (post-control). This area will continue to be monitored for BLH population development.
 - Low BLH activity (0-2 BLH per sweep) observed in Tranquility, Mendota, Coalinga, Huron, Five Points, San Joaquin, Panoche Creek, and Cantua Creek.

Kern County

- BLH population surveys in fallow fields and roadside vegetation throughout Kern County are ongoing.
 - Moderate BLH counts (6-7 BLH per sweep) were observed in a fallow field near Wheeler Ridge. This area will continue to be monitored for BLH population development.
 - Fallow fields and roadsides near Shafter and Lost Hills, containing primarily pigweed and Russian thistle, had minimal BLH activity with surveys averaging 0-2 BLH per sweep.

Kings County

- BLH population surveys in fallow fields and roadside vegetation throughout Kings County are ongoing.
 - Fallow fields and roadsides near Kettleman City, Stratford, and Lemoore, containing primarily *Bassia*, Russian thistle, and saltbush, had minimal BLH activity with surveys averaging 0-2 BLH per sweep.

Merced County

- BLH population surveys in fallow fields and roadside vegetation throughout Merced County are ongoing.
 - Fallow fields and roadsides near Dos Palos, Los Baños, Gustine, Volta, Santa Nella, El Nido, and Merced containing primarily Russian thistle, had minimal BLH activity with surveys averaging 0-2 BLH per sweep.

San Joaquin County

- BLH population surveys in fallow fields and roadside vegetation throughout San Joaquin County are ongoing.

- Fallow fields and roadsides around Tracy, containing primarily *Bassia* and Russian thistle, had minimal BLH activity with surveys averaging 0-1 BLH per sweep.

Stanislaus County

- BLH population surveys in fallow fields and roadside vegetation throughout Stanislaus County are ongoing.
 - Fallow fields and roadsides in unincorporated northern and southern Stanislaus County, containing primarily *Bassia* and Russian thistle, had minimal BLH activity with surveys averaging 0-1 BLH per sweep.

To subscribe to the BCTV monthly report, updates, and alerts, please use the link below:

www.cdfa.ca.gov/subscriptions/