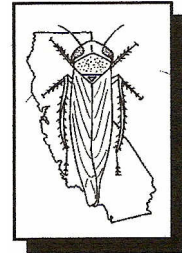


# Beet Curly Top Virus Control Program

## GROWER ALERT

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**Alert for December 2022**

### Program Update

- In December, Beet Curly Top Virus Control Program (BCTVCP) personnel conducted beetle leafhopper (BLH) fallow field and roadside surveys in Fresno, Kern, and Kings Counties. Overall, BLH counts remained very low or not present in all survey areas (0-1 BLH per sweep).
- Survey activities were limited this month due to muddy conditions exacerbated by continued rainfall. Continued rains throughout December have facilitated germination of vegetation growth.
- Hillside surveys and mapping activities are expected to resume within the next few weeks once muddy field conditions subside. Preliminary surveys of these areas show moderate host plant development, primarily filaree and peppergrass, with sporadic patches of Russian thistle along the base of the hills. Continued rains throughout December have facilitated germination of annual grasses throughout the survey areas.
- No control operations were performed in the month of December.
- Extensive die-off of summer and fall host vegetation, primarily *Bassia* and Russian thistle, is observed throughout all survey areas. Some small remnants of Russian thistle are persisting due to continued rainfall.
- Please visit the Program's webpage to view Program reports and alerts. [https://www.cdffa.ca.gov/plant/ipc/curlytopvirus/ctv\\_hp.htm](https://www.cdffa.ca.gov/plant/ipc/curlytopvirus/ctv_hp.htm)
- The BCTVCP has deployed a Beet Leafhopper Sighting Report that industry can use to report BLH or CTV incidence in the field. This report is available using the following web browser link: <https://arcg.is/O9LyK> or by downloading the ArcGIS Survey123 app from the Google Play Store or Apple App Store and using the QR code below. A user guide for the BLH Sighting Report is available on the BCTVCP webpage.



- For program inquiries or questions regarding this report, please contact Lauren Murphy at [lauren.murphy@cdfa.ca.gov](mailto:lauren.murphy@cdfa.ca.gov) or (559) 907-4460.

## **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
    - 94 negative samples
  - BLH Samples
    - 30 positive samples
    - 14 negative samples
  - 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
    - 22 negative samples
  - BLH Samples
    - 3 positive samples
    - 11 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
    - 2 negative samples
  - BLH 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**

- BLH population surveys in fallow fields and roadside vegetation throughout Fresno County are ongoing. Hillside surveys are anticipated to resume within the upcoming weeks.
  - Fallow fields and roadsides near Cantua Creek, Panoche Creek, Coalinga, Tumey Hills, Firebaugh, Oro Loma, and Mendota, containing primarily Russian thistle and filaree, had very low BLH activity with surveys averaging 0-1 BLH per sweep. Zero BLH were observed in most surveyed areas.

### **Kern County**

- BLH population surveys in fallow fields and roadside vegetation throughout Kern County are ongoing. Hillside surveys are anticipated to resume within the upcoming weeks.
  - In Kern County, field and roadside survey activities were extremely limited for the month of December due to continued rainfall and muddy conditions.

### **Kings County**

- BLH population surveys in fallow fields and roadside vegetation throughout Kings County are ongoing. Hillside surveys are anticipated to resume within the upcoming weeks.
  - Fallow fields and roadsides near Kettleman City and Stratford, containing primarily Russian thistle and mallow, had very low BLH activity with surveys averaging 0-1 BLH per sweep. Zero BLH were observed in most surveyed areas.

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