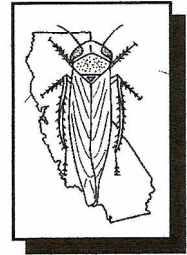


Beet Curly Top Virus Control Program

Monthly Report

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



March 2023

Program Update

- In March, Beet Curly Top Virus Control Program (Program) personnel conducted beetle leafhopper (BLH) and vegetation surveys in the foothills on the westside of the San Joaquin and Sacramento Valleys in Colusa, Fresno, Kern, Kings, Merced, Stanislaus, Sutter, and Yolo Counties.
- Rain and storm events throughout March limited the Program's ability to conduct surveys in the traditional BLH overwintering areas due to muddy, washed-out roads and sink holes. Therefore, surveys extended out into fallow fields and weedy roadsides within five miles of the foothills.
- BLH counts remained very low or not present in most survey areas (0-1) BLH per 10 sweeps). There was no nymph activity observed throughout March.
- Further development of annual grasses in the traditional BLH overwintering have created thick vegetation, limiting ideal conditions for BLH population development.
- In the Sacramento Valley counties, there is a small concentration of host plants along roadsides and in fallow fields that Program personnel will continue to monitor for BLH population development.
- On March 16, the Beet Curly Top Virus Control Board (BCTVCB) held an annual spring meeting to review the Program budget, provide updates on current operations, and to review objectives for the 2023 growing season.
- On March 24, The Program was invited to speak at the Beet Curly Top Virus Informational Meeting hosted by the University of California Agriculture and Natural Resources Cooperative Extension in Colusa County.
- Please visit the Program's webpage to view Program reports and alerts.
https://www.cdfa.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 Kendra Tapia at kendra.tapia@cdfa.ca.gov or (916) 823-1169.

2023 Beet Curly Top Virus Sample Results

January 2023 - BCTV Sample Results by County	
	<u>Fresno</u>
Positive BLH	1
Negative BLH	2
Positive Host Plant	0
Negative Host Plant	3

February 2023 - BCTV Sample Results by County					
	<u>Fresno</u>	<u>Kings</u>	<u>Kern</u>	<u>Merced</u>	<u>Glenn</u>
Positive BLH	6	1	-	-	0
Negative BLH	1	0	-	-	1
Positive Host Plant	1	0	0	0	0
Negative Host Plant	64	10	35	2	5

March 2023 - BCTV Sample Results by County							
	<u>Fresno</u>	<u>Kings</u>	<u>Kern</u>	<u>Merced</u>	<u>Yolo</u>	<u>Colusa</u>	<u>Sutter</u>
Positive BLH	-	-	-	-	0	0	-
Negative BLH	-	-	-	-	1	4	-
Awaiting Results BLH	-	-	-	-	0	0	-
Positive Host Plant	-	-	-	-	0	0	-
Negative Host Plant	22	5	25	4	2	5	-
Awaiting Results Host Plant	11	6	28	0	0	0	4

County Reports

Fresno County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.

- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Maps identifying locations of BLH counts are provided at the end of this report.

Fresno County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Coalinga-Mendota Ave and S. Stanislaus Ave	3/2/2023	0
Along Arroyo Seco Rd. near I-5	3/2/2023	0
Along Little Panoche Rd.	3/7/2023	0.05
Little Panoche Rd near I-5	3/7/2023	0.4
Tumey Hills	3/8/2023	0
Domegine	3/9/2023	0
Near Kettleman Hills s/o 41	3/9/2023	0
NE of Hwy 269, N of Huron	3/9/2023	0
Turk Rd. near Coalinga	3/16/2023	0

Kern County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Maps identifying locations of BLH counts are provided at the end of this report.

Kern County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Kitty Care	3/7/2023	0.08
McKittrick	3/7/2023	0
Gardner Field	3/8/2023	0
South Lake	3/8/2023	0.4
Hovey Hills	3/8/2023	0
McKittrick West	3/12/2023	0
McKittrick West	3/13/2023	0.1
Missouri Triangle	3/14/2023	0
Valley Acres Flats	3/20/2023	0
Midway West	3/20/2023	0

Kings County

- BLH population surveys were conducted in the overwintering foothills as well as in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1

BLH per sweep set.

- Maps identifying locations of BLH counts are provided at the end of this report.

Kings County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
E. I-5 and Utica Ave.	3/8/2023	0
Utica Ave and 23rd Ave	3/8/2023	0
South of Kettleman Hills and Utica Ave.	3/8/2023	0.2
Hwy 41 and Omaha	3/15/2023	0
Nevada and 27th	3/15/2023	0

Merced County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on March 7th and 8th.
- No BLH were observed during surveys in Merced County.
- Host vegetation surveyed included filaree and peppergrass.

Colusa County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Maps identifying locations of BLH counts are provided at the end of this report.

Colusa County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Walnut Dr. and Spring Valley Road	3/15/2023	1
Freshwater Rd. and Manor Rd.	3/15/2023	0.2
Sand Creek Rd. and Cortina School Rd.	3/17/2023	0.7

Yolo County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, however there was an area between Road 26 and Road 87 that observed a total of 5 BLH in one sweep set.
- Maps identifying locations of BLH counts are provided at the end of this report.

Yolo County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Rd. 26 and RD. 87	3/7/2023	2.5
Rd 29 and Rd 88	3/7/2023	0

Sutter County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on March 27th.
- No BLH were observed during surveys in Sutter County.
- Host vegetation surveyed included filaree and peppergrass.

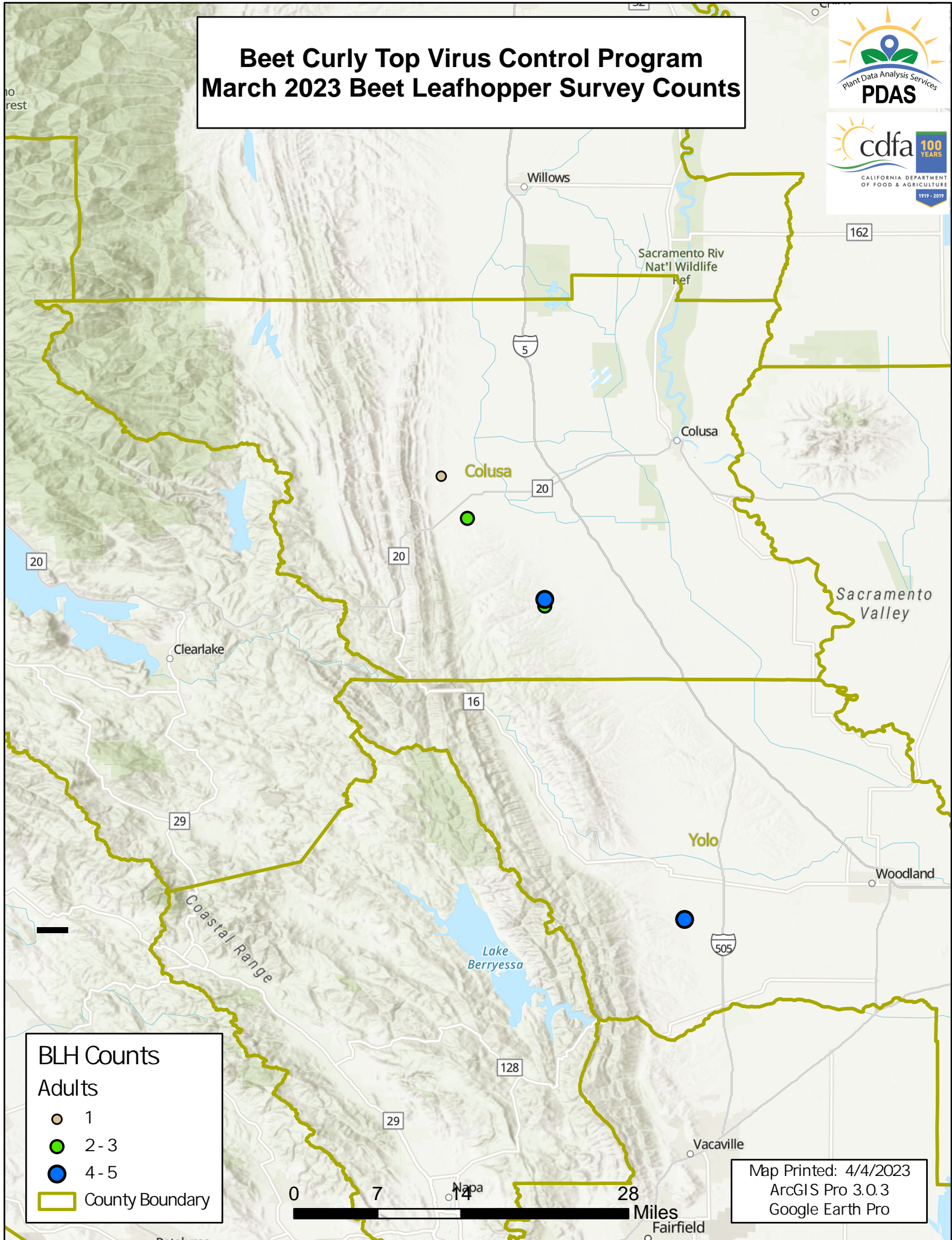
Stanislaus County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on March 22nd.
- No BLH were observed during surveys in Stanislaus County.
- Host vegetation surveyed included shepherds purse and non-host vegetation found in fallow fields included mustard, fiddleneck, and grass.

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

www.cdfa.ca.gov/subscriptions/

Beet Curly Top Virus Control Program March 2023 Beet Leafhopper Survey Counts



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