

# 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



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**April 2023**

### Program Update

- In April, 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 Fresno, Kern, Kings, Merced, San Joaquin, Yolo, Glenn, Solano, Stanislaus, Colusa, and Sutter counties.
- Annual grasses in the hillsides and tall grasses along the roadside in March limited the Program's ability to conduct surveys in the traditional BLH, overwintering areas due to fire hazards.
- BLH counts remained low or not present in most survey areas (0-2) BLH per sweep. Some hillside surveys showed an average of (0-4) BLH per sweep in isolated areas. There has been nymph activity observed, but overall hatch activity is minimal. High concentrations of annual grasses in spring control sites have created thick vegetation limiting the ideal conditions for BLH population development.
- Hillside surveys stopped on 4/30 due to the increased risk of fire and low BLH counts. Increased temperatures and high wind events have dried out most of the host plant vegetation in the hillside.
- In the Sacramento valley, surveys are focused on roadside vegetation. There is limited fallow field acreage currently. There has been limited BLH observed due to lack of vegetation present.
- Planting has begun in the central and northern districts. Commodity surveys will begin once plants reach 12 inches in height.
- No control operations were performed in the month of April.
- On April 20<sup>th</sup>, the Beet Curly Top Virus Control Board (BCTVCB) held a special board meeting to review the annual meeting minutes, research request for proposals, and items for future meetings.
- Please visit the Program's webpage to view Program reports and alerts.  
[https://www.cdfa.ca.gov/plant/ipc/curlytopvirus/ctv\\_hp.htm](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](mailto: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
Awaiting Results BLH	-	-	-	-	-
Positive Host Plant	1	0	0	0	0
Negative Host Plant	64	10	34	2	5
Awaiting Results Host Plant	-	-	1	-	-

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

**April 2023- BCTV Sample Results by County**

	Fresno	Kings	Kern	Glenn	Yolo	Solano	Merced	Colusa	Stanislaus
Positive BLH	6	2	-	-	-	-	-	-	-
Negative BLH	1	-	-	1	1	-	-	-	-
Awaiting Results BLH	5	1	1	-	2	-	-	1	-
							-		
Positive Host Plant	-	1	-	-	-	-	-	-	-
Negative Host Plant	17	3	1	4	4	6	6	-	-
Awaiting Results Host Plant	17	1	74	1	2	-	-	1	3

## 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.
- Host vegetation surveyed included filaree, plantago, and peppergrass.
- A map identifying the location of the BLH counts is provided at the end of the report.

<b>Fresno County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Domegine	4/4/2023	0.1
Tumey Hills	4/5/2023	0.1
North of Panoche Creek	4/6/2023	2.9
North Tip	4/6/2023	0.7
Kittycare	4/6/2023	0.2
North Chevron	4/11/2023	0.6
Chevron	4/11/2023	1.5
Jacalitos	4/12/2023	0.2
Jacalitos	4/13/2023	0.4
Fallow	4/13/2023	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.
- Host vegetation surveyed included filaree, plantago, and peppergrass.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kern County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Triple 5's	4/10/2023	0
Elkhorn	4/10/2023	0.3
Western Mineral	4/11/2023	1.4
Buena Vista Hills	4/11/2023	1.1
West Buena Vista Hills	4/11/2023	0.9

### 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.
- Host vegetation surveyed included filaree, plantago, mallow, and peppergrass.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kings County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Devil's Den	4/4/2023	0.4
Kettleman Hills s/o 41	4/4/2023	0.3
Kettleman Hills n/o 41	4/5/2023	0.9

### Merced County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on April 10<sup>th</sup> and April 11<sup>th</sup>.
- No BLH were observed during surveys in Merced County.
- Host vegetation surveyed included filaree, London rocket, and mallow.

### San Joaquin County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on April 26<sup>th</sup>.
- No BLH were observed during surveys in San Joaquin County.
- Host vegetation surveyed included shepherd's purse.

### 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.
- Host vegetation surveyed included mallow.
- A map identifying BLH counts is provided at the end of the report.

Colusa County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average #of BLH per 10 sweeps</u>
John school Rd. and Yolo Co. Rd	4/19/2023	0.5

### 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, averaging 0-1 BLH per sweep set.
- Host vegetation included filaree, peppergrass, and mallow.
- A map identifying BLH counts is provided at the end of the report.

Yolo County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Rd. 26 and Rd. 87	4/6/2023	0
Rd. 86A and Rd. 28	4/6/2023	0
Hwy 16 and Rd. 81	4/6/2023	0.4
Grant Ave and Taylor St.	4/20/2023	0.2

### Glenn County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on April 26<sup>th</sup>.
- Overall counts remained very low throughout survey areas. However, one area located between Co. Rd. 200 and Rd. 206 observed a total of 22 BLH in one sweep set.
- Host vegetation surveyed included filaree.
- A map identifying BLH counts is provided at the end of the report.

Glenn County BLH Surveys		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Co Rd. 200 and Rd. 206	4/4/2023	4.4
Rd. 28 and Rd. C	4/4/2023	0
Co Rd. 35 and Rd. D	4/4/2023	0
Rd. 49 and Rd. D	4/4/2023	0

### Solano County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on April 12<sup>th</sup> and April 13<sup>th</sup>.
- No BLH were observed during surveys in Solano County.
- Host vegetation surveyed included filaree, mallow, and London rocket.

### Sutter County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills on March 27<sup>th</sup>.
- 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 April 18<sup>th</sup>.
- No BLH were observed during surveys in Stanislaus County.
- Host vegetation surveyed included filaree and mallow.

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

[www.cdfa.ca.gov/subscriptions/](http://www.cdfa.ca.gov/subscriptions/)

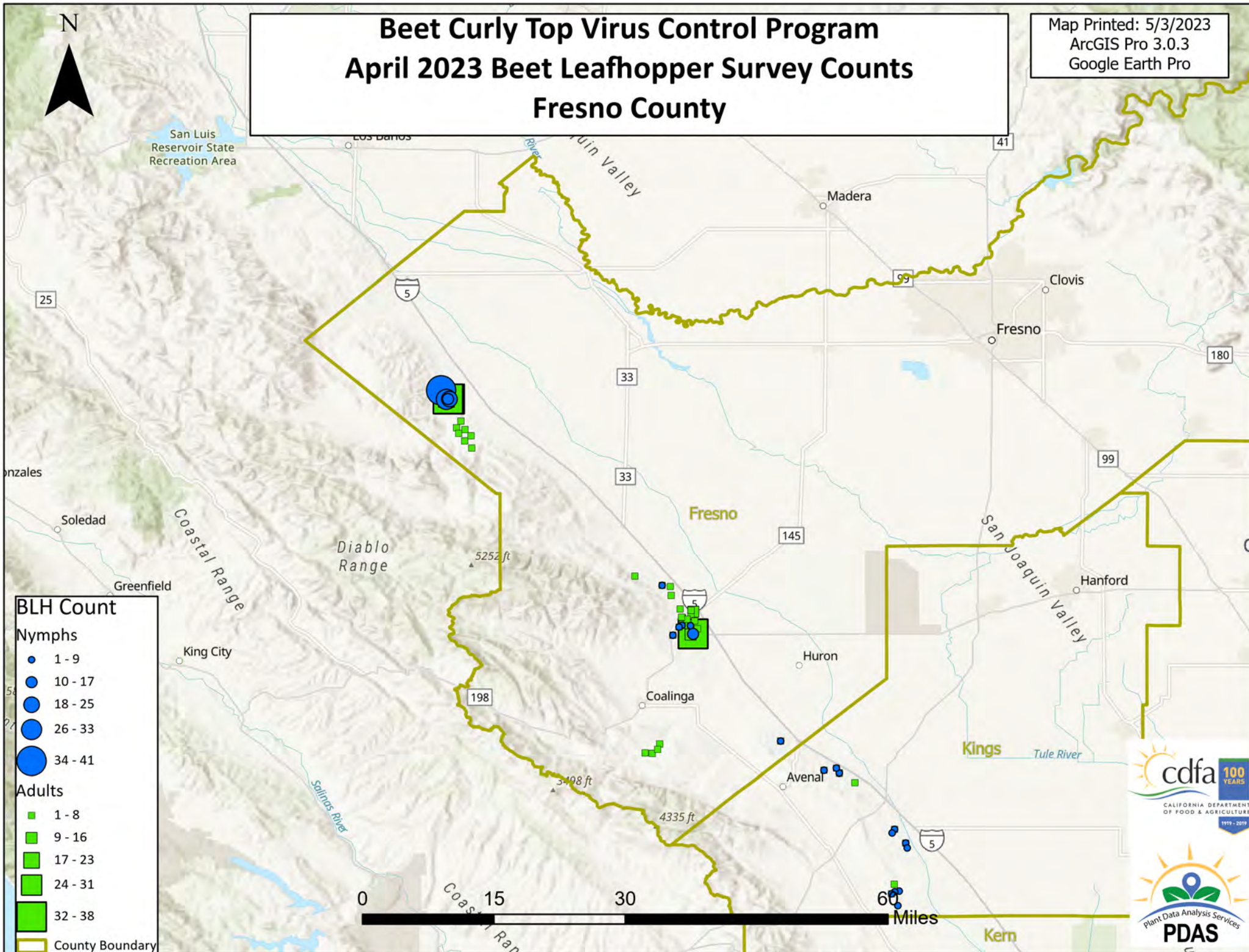


# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Fresno County

Map Printed: 5/3/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro



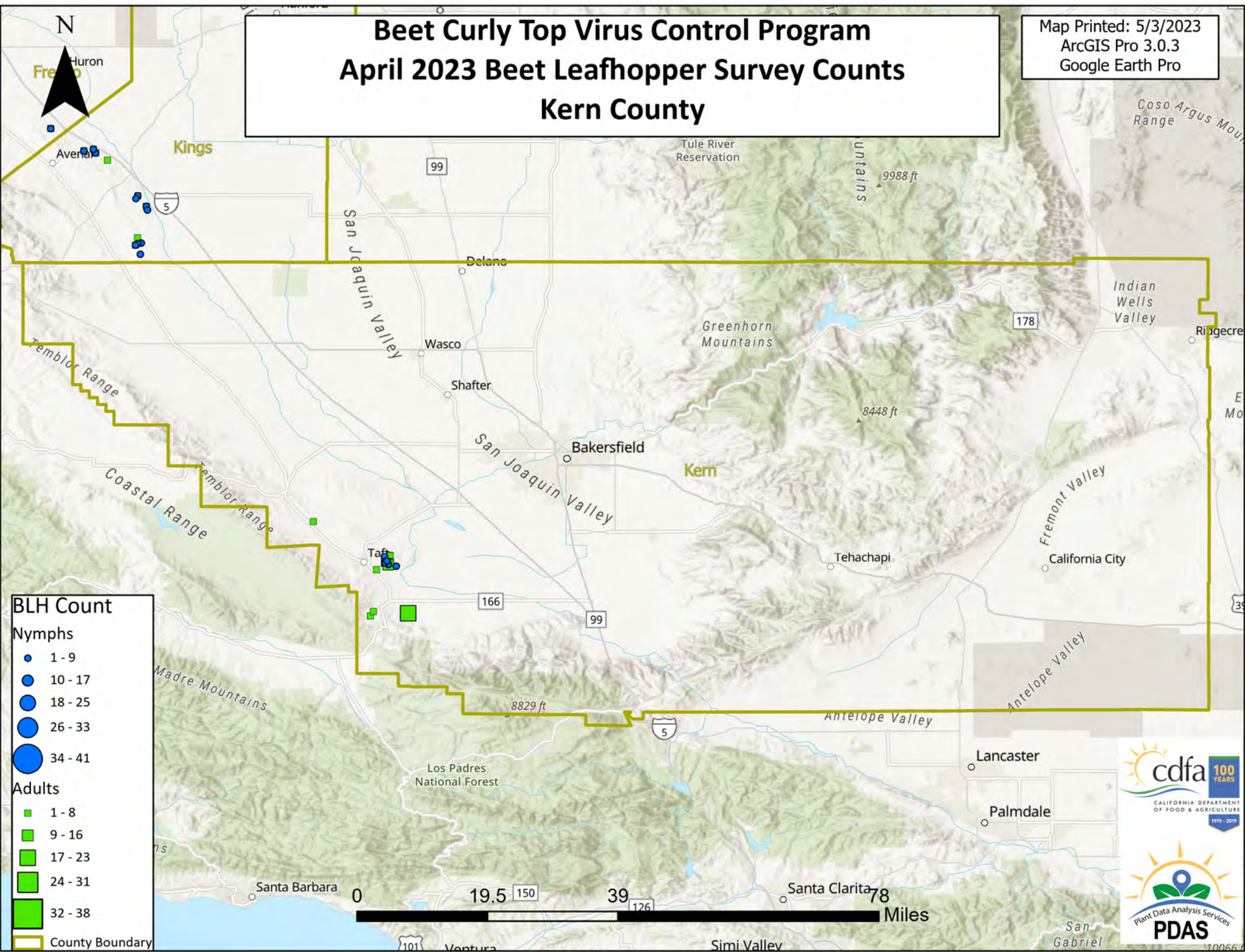


# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Kern County

Map Printed: 5/3/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro



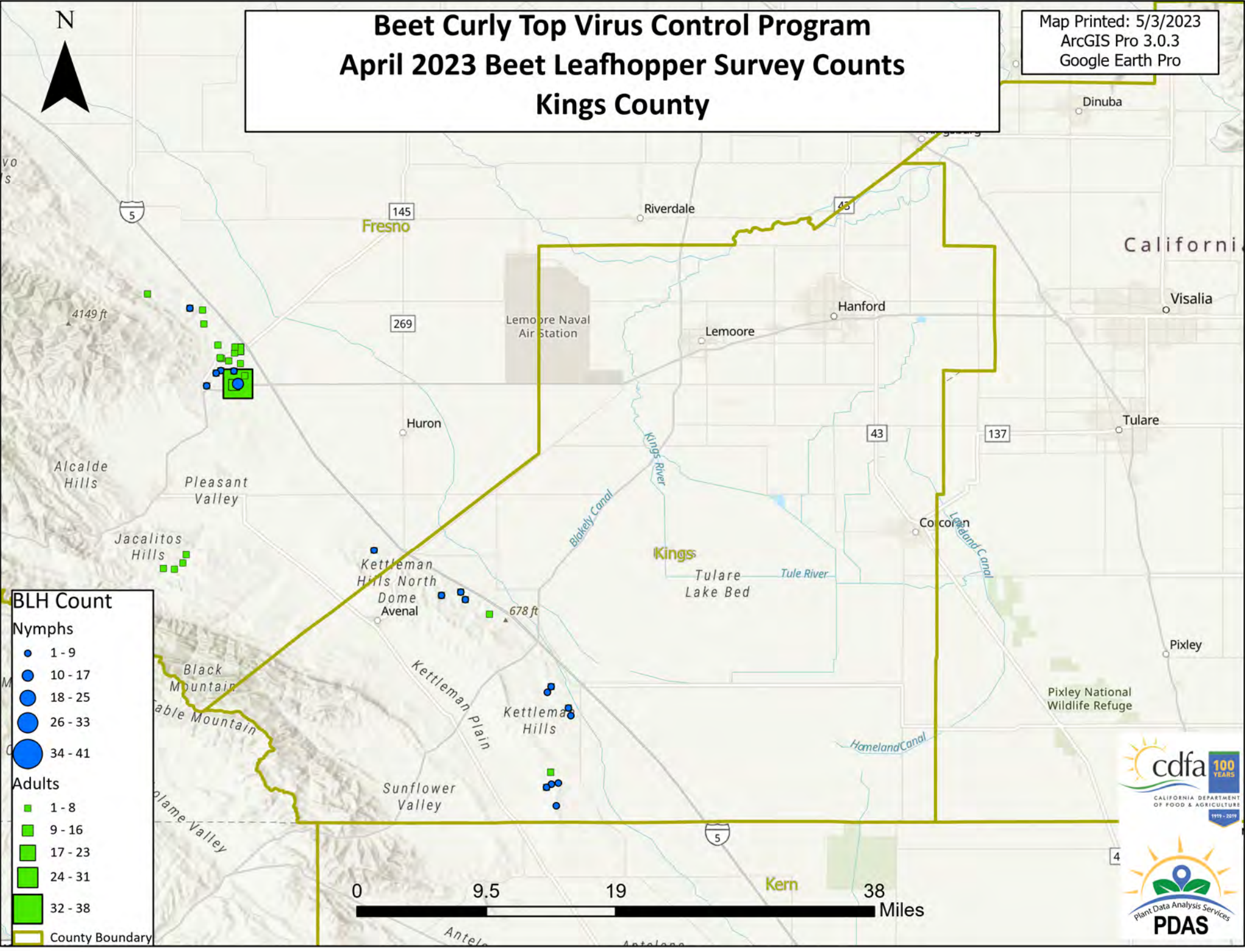


# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Kings County

Map Printed: 5/3/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro



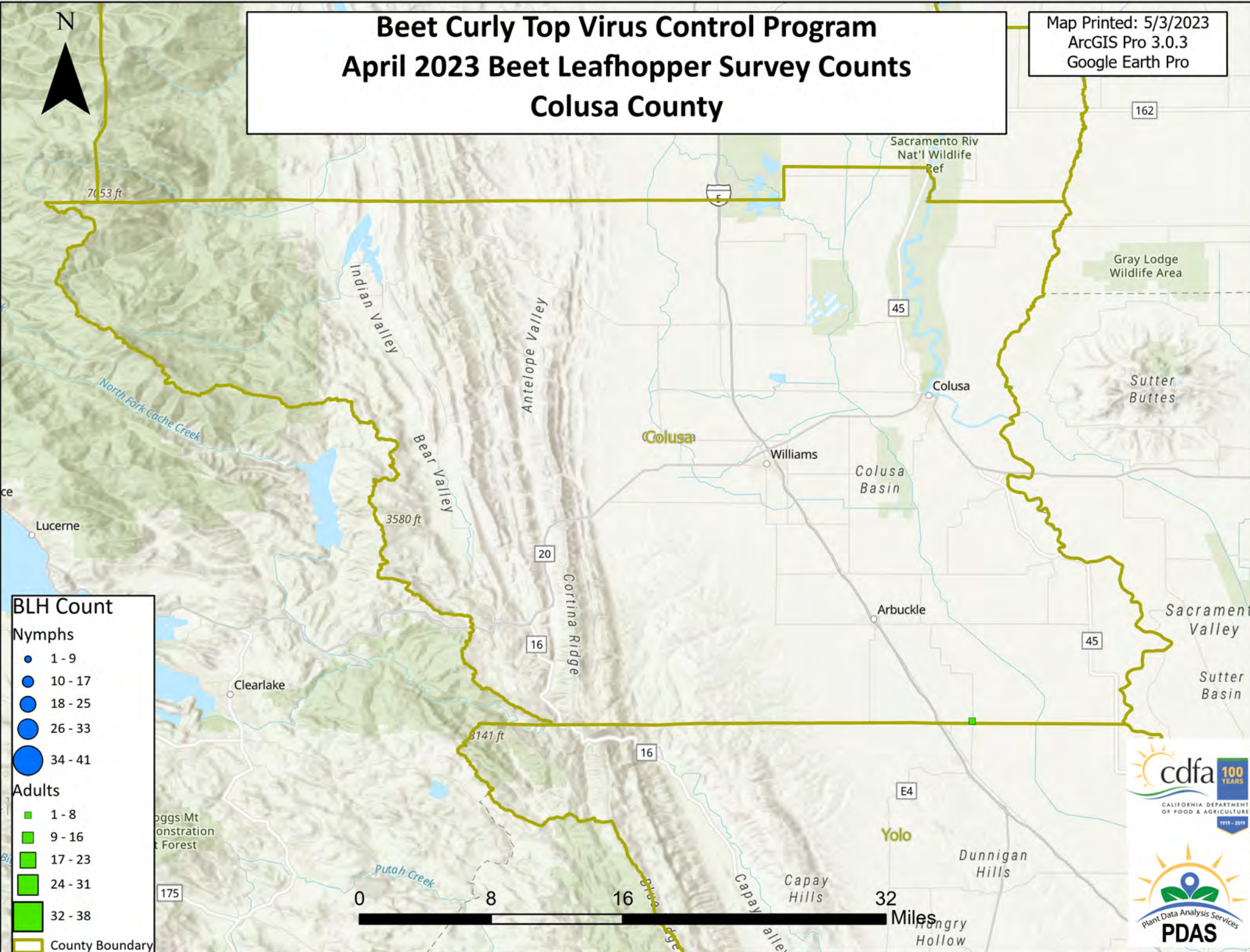


# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Colusa County

Map Printed: 5/3/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro



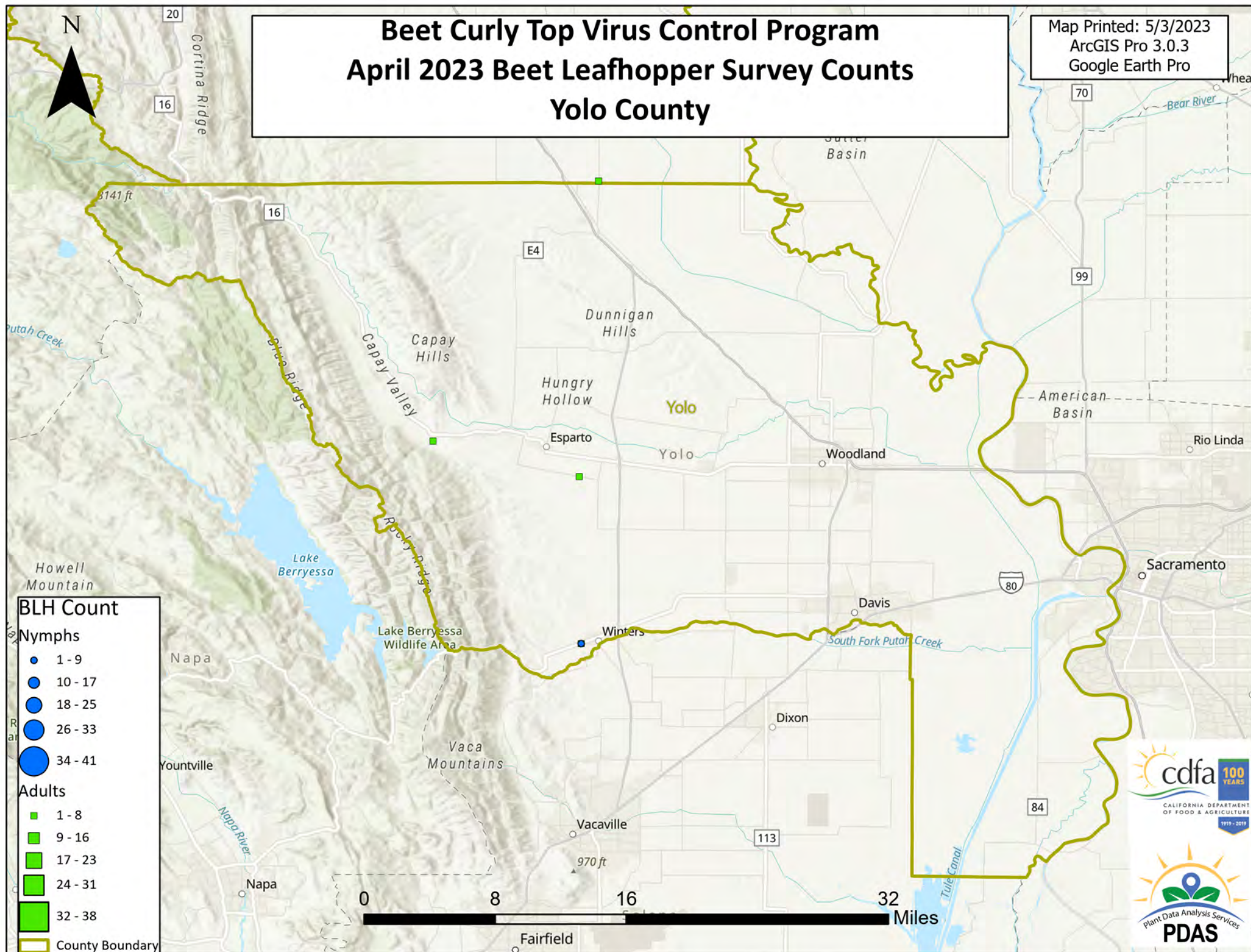


# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Yolo County

Map Printed: 5/3/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro





# Beet Curly Top Virus Control Program

## April 2023 Beet Leafhopper Survey Counts

### Glenn County

Map Printed: 5/8/2023  
ArcGIS Pro 3.0.3  
Google Earth Pro

