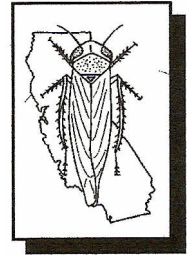


# Beet Curly Top Virus Control Program

## Monthly Report

California Department of Food and Agriculture  
Plant Health and Pest Prevention Services  
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January 2024

### Program Update

- In January, Beet Curly Top Virus Control Program (BCTVCP) 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, Yolo, Sutter, Glenn, Merced, Stanislaus, Butte, Sacramento, San Joaquin, Madera, and Colusa counties.
- Rain and storm events throughout January limited the Program's ability to conduct surveys in the traditional beetle leafhopper (BLH) overwintering areas due to muddy and washed-out access roads.
- Where surveys were possible, BLH counts remained very low or not present in all survey areas statewide (0-2 BLH per sweep). There have been some high levels of BLH activity observed in Fresno County, but it remains isolated (5-10 BLH per sweep range).
- The continuous rain events have led to significant growth of annual grasses in most BLH overwintering areas limiting the ideal conditions for population growth. Filaree is the primary host plant observed.
- 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.

## 2024 Beet Curly Top Virus Sample Results

January 2024- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	5	5	1	1	-	-	-	-	-	-	-	-	-	-
Negative BLH	20	10	1	-	-	-	3	3	-	-	-	1	-	-
Positive Host Plant	-	1	1	1	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	62	29	34	10	-	-	9	2	-	-	-	-	6	-

## 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 low throughout survey areas, averaging 0-3 BLH per sweep set. One area in Domegine had higher levels of BLH activity (10-50 BLH per sweep).
- Host vegetation surveyed included Mallow, Filaree, and Peppergrass.
- A map identifying the location of the BLH counts is provided at the end of the report.

Fresno County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Giffen Cantua Ranch	1/2/2024	0.1
Big C	1/9/2024	3.1
Coalinga	1/9/2024	2.7
North Chevron	1/9/2024	2.7
Giffen Cantua Ranch	1/9/2024	2.3
Coalinga	1/10/2024	0.2
Giffen Cantua Ranch	1/10/2024	1.5
Staircase	1/10/2024	0.6
Pepper Flats	1/10/2024	0.4
Domegine	1/16/2024	0.4
Coalinga Nose	1/18/2024	1.3

North Panoche Creek	1/29/2024	0.4
North Chevron	1/29/2024	4.1
Chevron	1/29/2024	3.9
Domegine	1/30/2024	30.0
Tumey Hills	1/31/2024	0.8

### 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 low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host plant vegetation surveyed included Filaree and *Plantago*.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kern County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Taft	1/8/2024	0.2
Antelope Plain	1/10/2024	0.1
Elk Hills	1/11/2024	0.3
Elk Hills	1/16/2024	0.5
Buena Vista Hills	1/16/2024	0.4
Elk Hills	1/25/2024	0.3
Elk Hills	1/29/2024	0.6
Elk Hills	1/30/2024	0.5
Elk Hills	1/31/2024	0.2

### 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 low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow and Filaree.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kings County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Kettleman City	1/2/2024	0.2
Kettleman City	1/4/2024	0.1
Kettleman City	1/8/2024	1.2
Kettleman City	1/9/2024	0.3
Kettleman Hills	1/10/2024	1.2
Kettleman Hills	1/29/2024	1.9
Kettleman Hills	1/30/2024	1.4
Kettleman Hills	1/31/2024	2.0

### Madera County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Madera County.

### Merced County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow and Filaree.
- A map identifying BLH counts is provided at the end of the report.

Merced County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Gustine	1/16/2024	0.5
Gustine	1/29/2024	0.8
S Pole Line Rd W	1/29/2024	0.6
Santa Nella	1/30/2024	0.7
Gustine	1/30/2024	0.6
Los Banos	1/31/2024	0.1

### San Joaquin 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 Russian Thistle and Filaree.

San Joaquin County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Mountain House	1/25/2024	0.2

### 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, Mustards, and Filaree.
- A map identifying BLH counts is provided at the end of the report.

Colusa County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
St Hwy 20	1/8/2024	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, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow, Filaree, and Mustards.
- A map identifying BLH counts is provided at the end of the report.

Yolo County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Winters	1/8/2024	0.3
Cottonwood	1/8/2024	0.1
Madison	1/8/2024	0.4

### Sutter County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Sutter County.

### Stanislaus County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow and Filaree.
- A map identifying BLH counts is provided at the end of the report.

Stanislaus County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Westley	1/23/2024	0.7
Westley	1/24/2024	0.1
Patterson	1/25/2024	0.6
Timba	1/25/2024	1.8

### Glenn County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Glenn County.

### Butte County

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

sweep set.

- Host vegetation surveyed included Filaree and Mustards.
- A map identifying BLH counts is provided at the end of the report.

Butte County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Riceton	1/2/2024	0.1

### Sacramento County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow and Mustards.
- A map identifying BLH counts is provided at the end of the report.

Sacramento County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Hood	1/3/2024	0.1

### Solano County

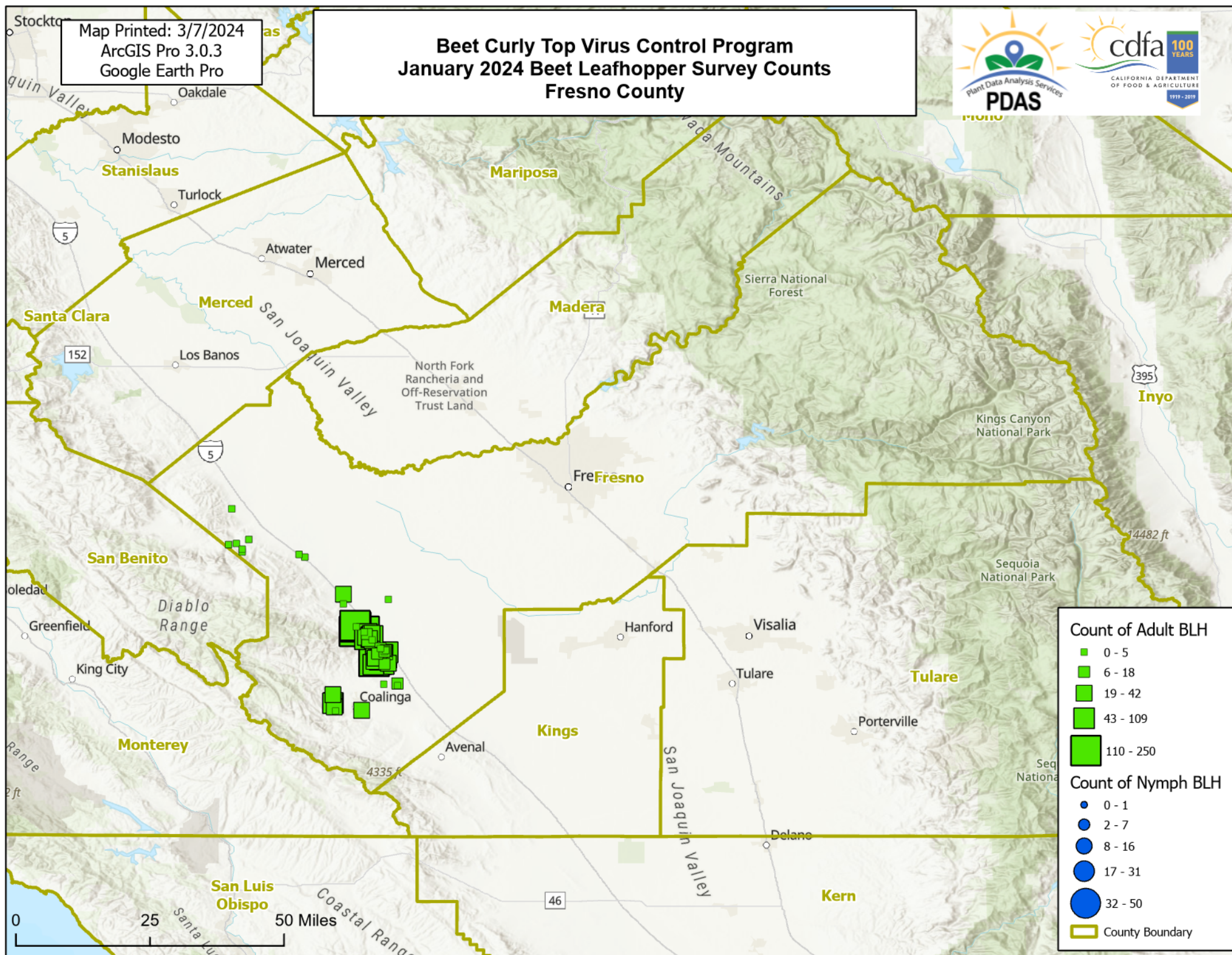
- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Solano County.

**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/)

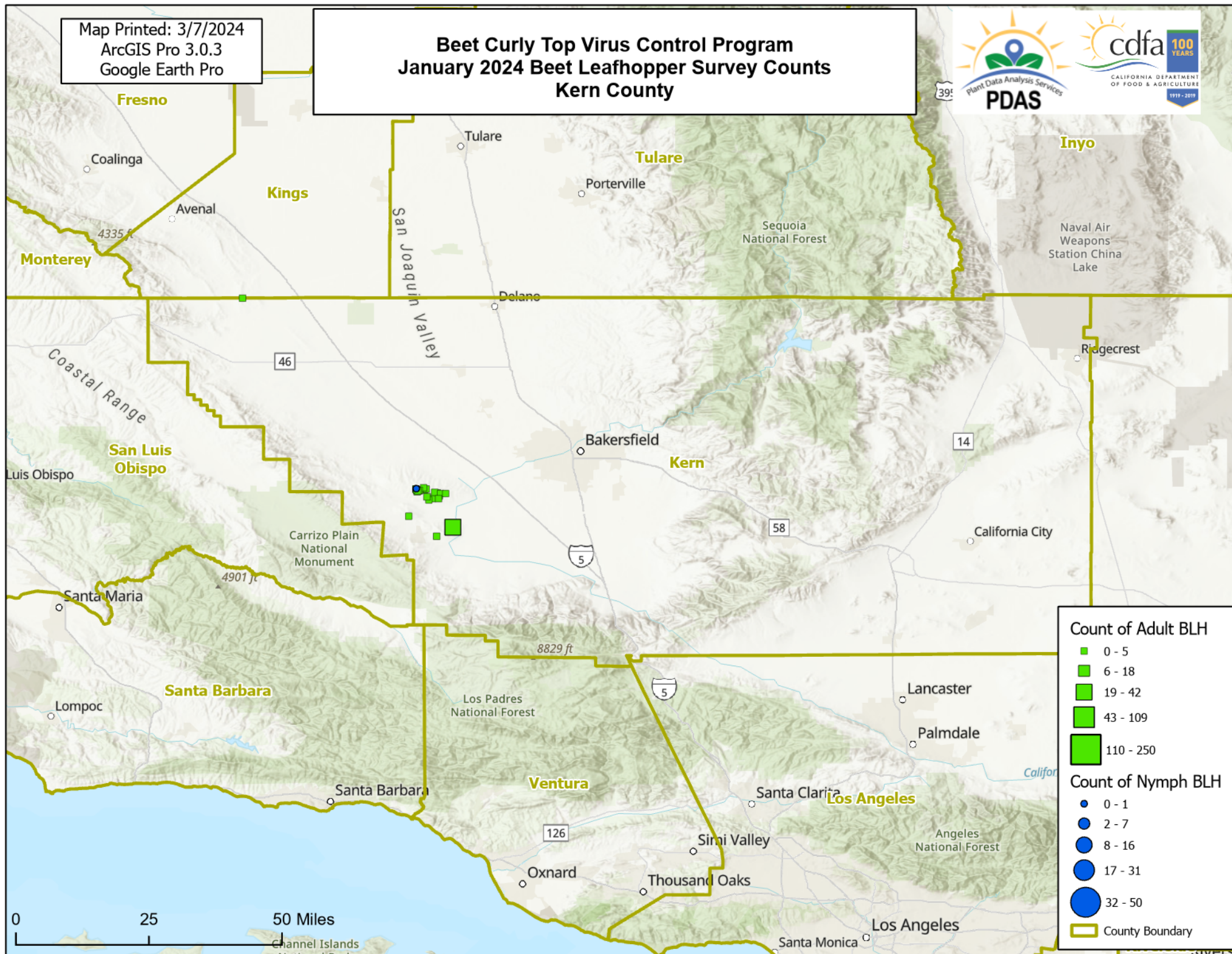
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ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Fresno County



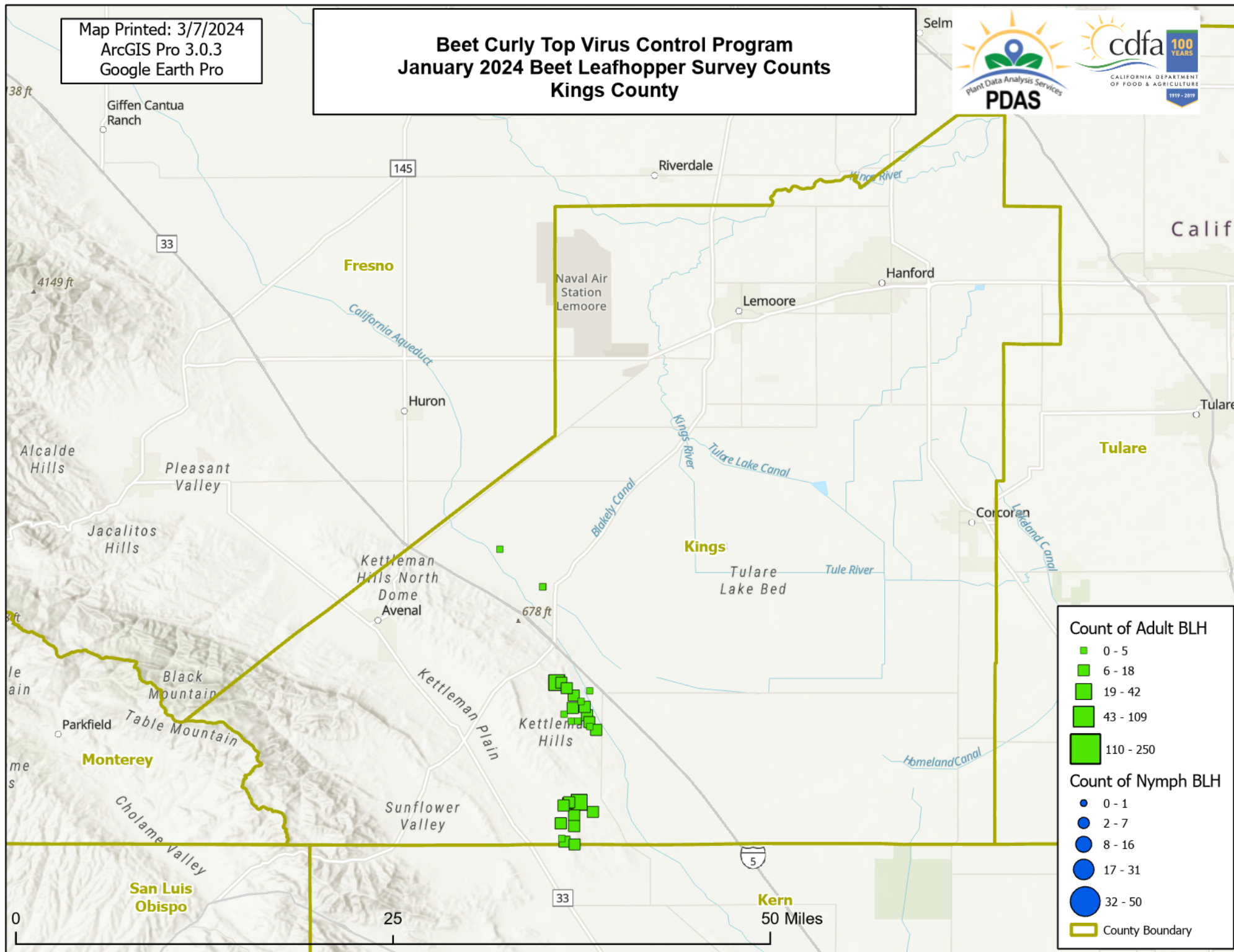
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Google Earth Pro

# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Kern County



Map Printed: 3/7/2024  
ArcGIS Pro 3.0.3  
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# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Kings County



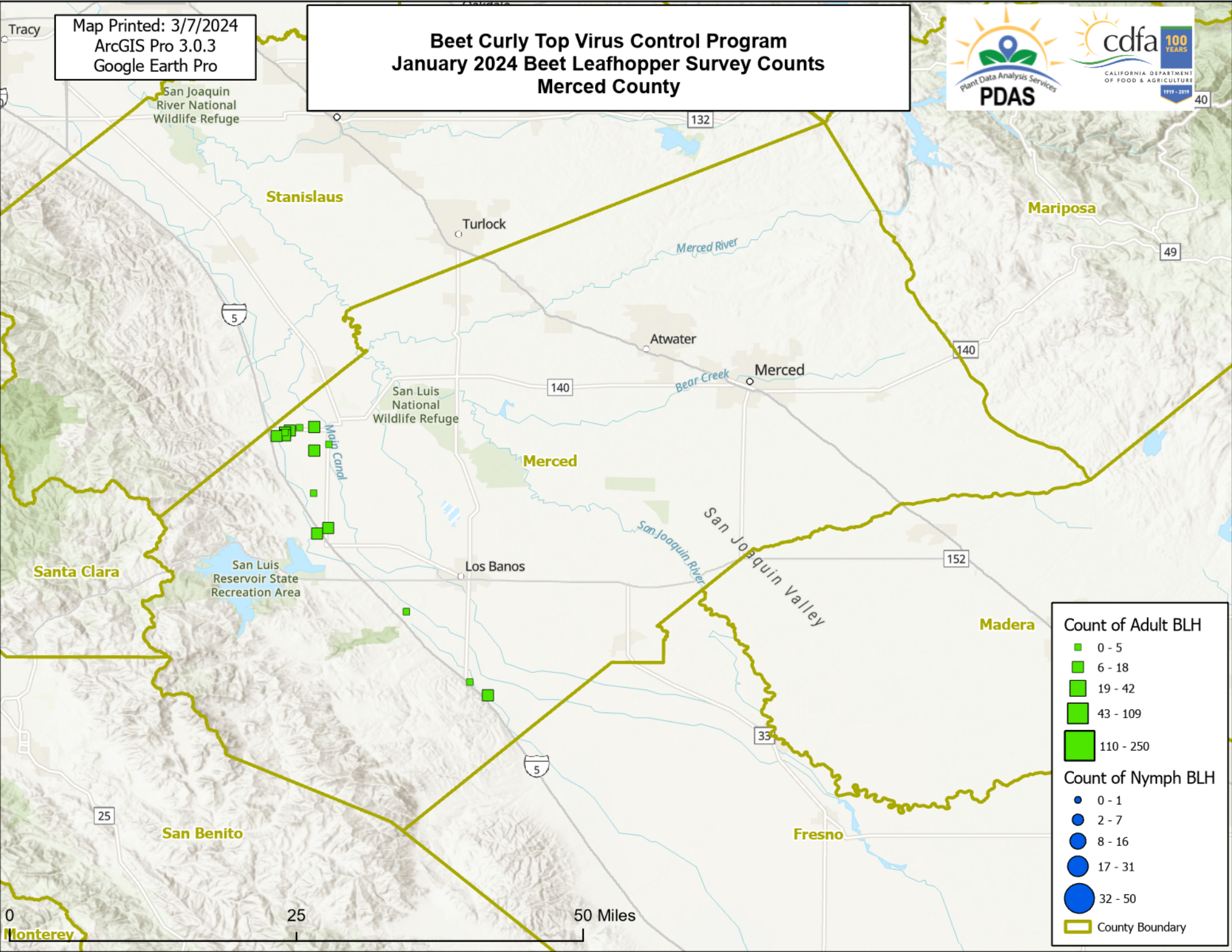
## Count of Adult BLH

- 0 - 5
- 6 - 18
- 19 - 42
- 43 - 109
- 110 - 250

## Count of Nymph BLH

- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary

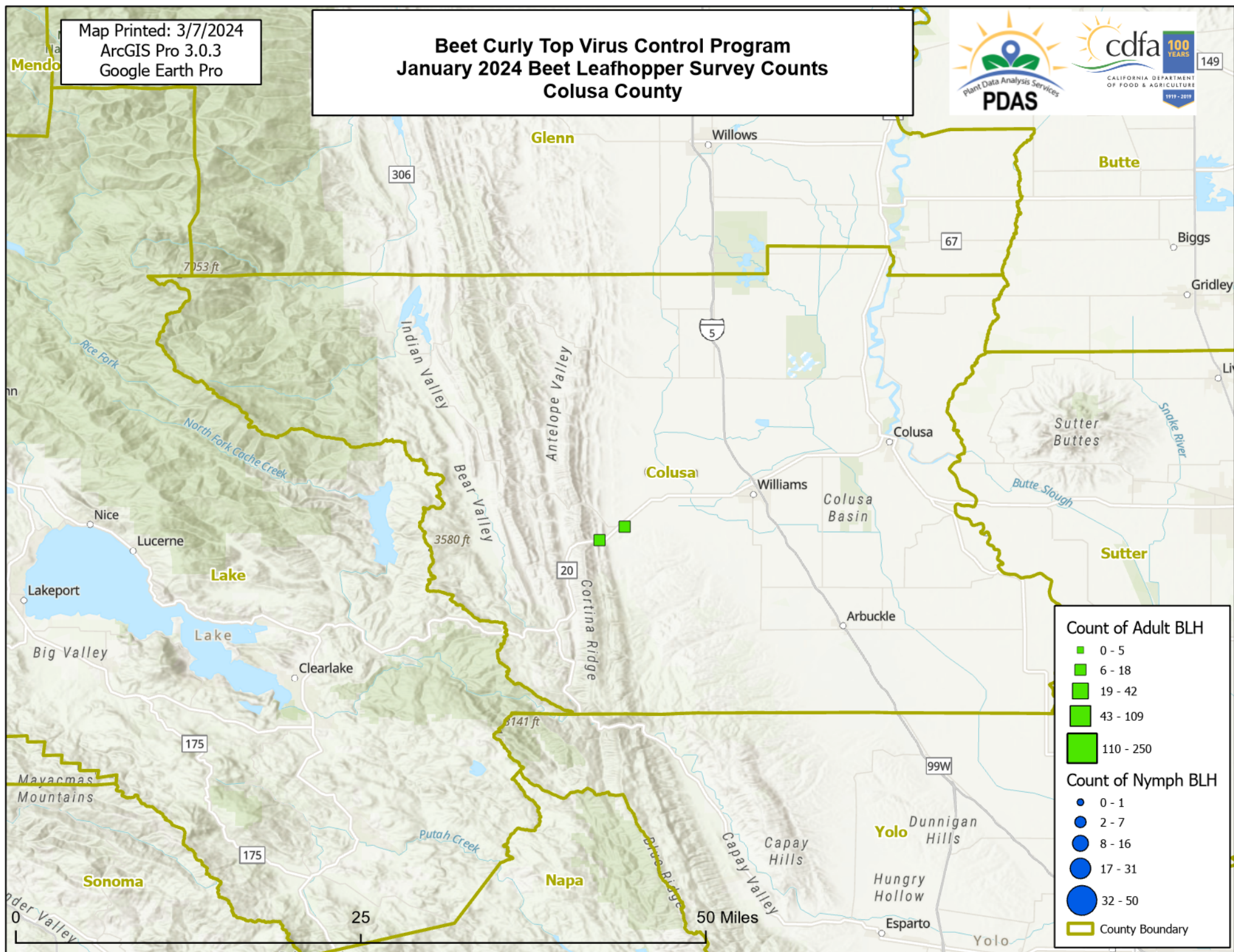


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# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Colusa County

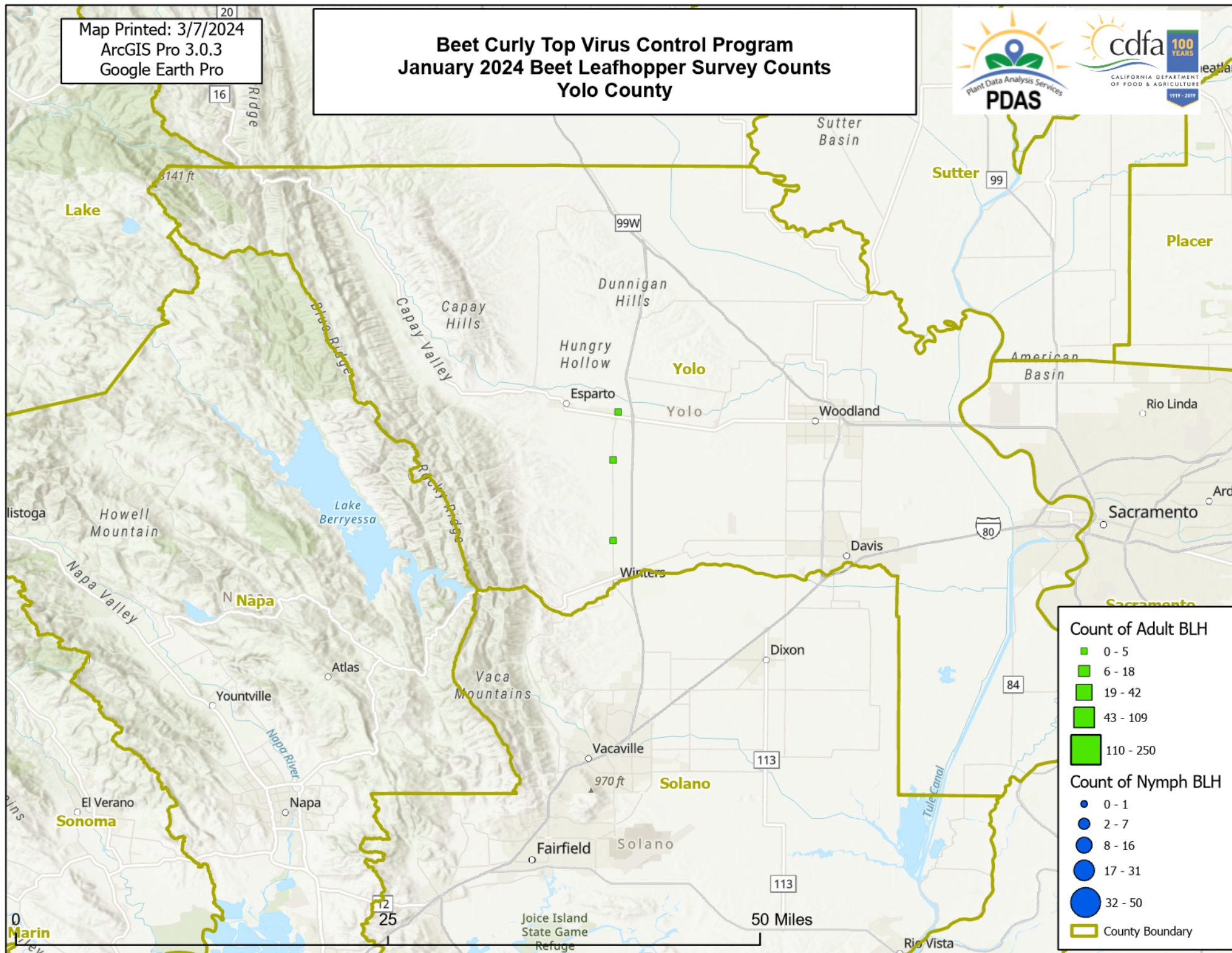


149

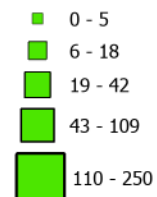


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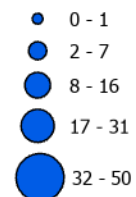
# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Yolo County



## Count of Adult BLH



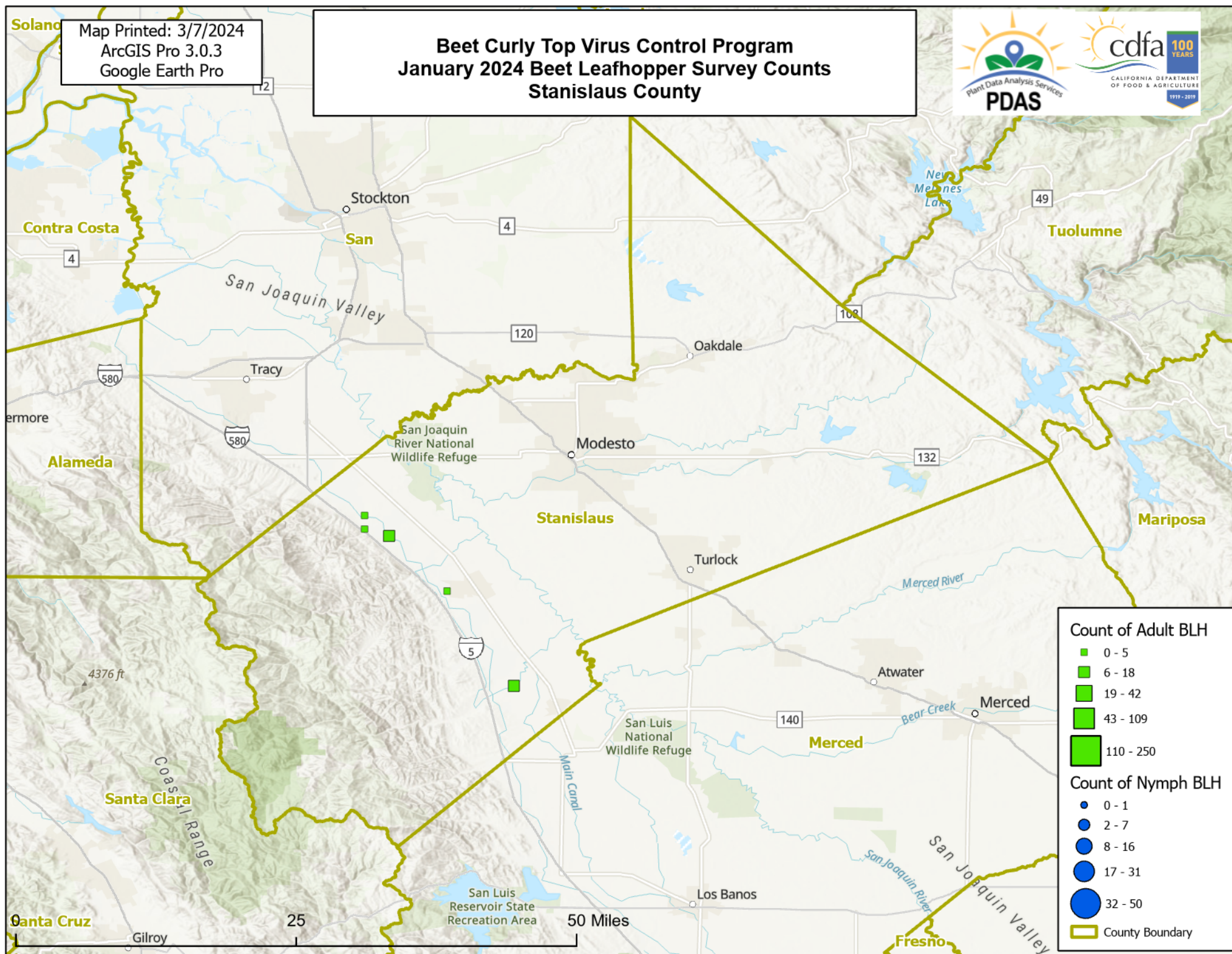
## Count of Nymph BLH



County Boundary

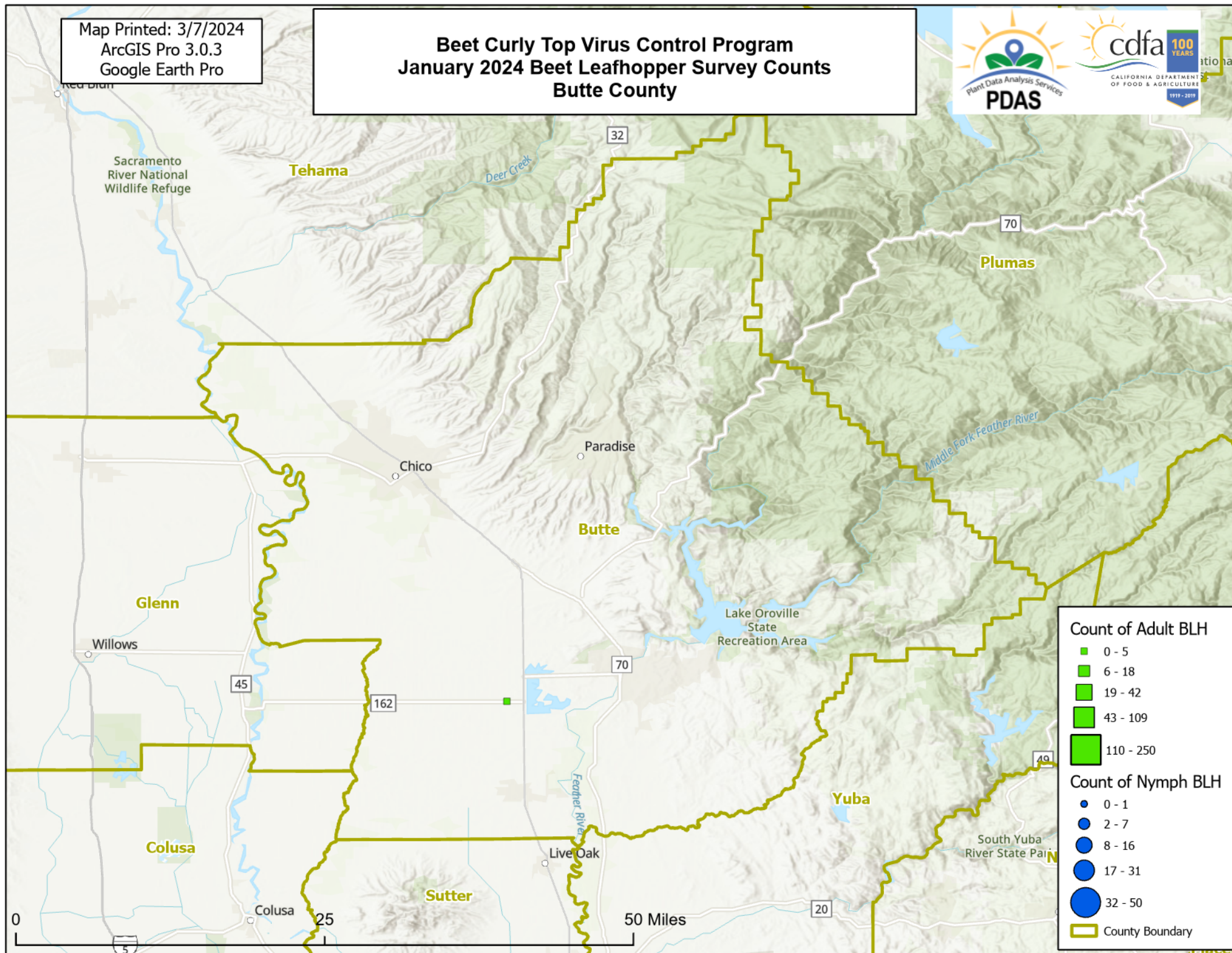
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ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Stanislaus County



Map Printed: 3/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Butte County



Map Printed: 3/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program January 2024 Beet Leafhopper Survey Counts Sacramento County

