

# 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



---

---

April 2024

### Program Update

- In April, 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.
- BLH counts remained very low or not present in all survey areas statewide (0-3 BLH per sweep). There has been increased BLH activity observed in Fresno, Kings, and Kern County along roadside vegetation (3-5 BLH nymph per set range).
- Hillside survey activities ended on 4/12/24 due to low BLH averages, host plant die off, and fire hazards presented by annual grasses. The Program will continue to conduct BLH population surveys on the valley floor and roadsides. Mapping of fallow fields and roadside vegetation continues for future assessment and control operations.
- Host plant vegetation throughout the state continues to thrive with London Rocket, Russian Thistle, Mallow, Filaree, Goosefoot, Lamb's Quarter, and Shepherd's Purse present.
- Tomato 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.
- The Program would like to remind 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. The Program can be available for BLH surveys and, if needed, control of fallow fields and/or roadsides where BLH counts reach the control thresholds.
- 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	-

February 2024- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	6	-	10	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	40	23	43	-	-	-	-	-	5	-	-	-	1	3
Positive Host Plant	3	-	1	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	140	46	159	11	2	18	2	5	55	4	11	-	24	9

March 2024- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	9	3	3	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	62	4	9	-	-	-	-	-	-	-	-	-	-	2
Positive Host Plant	8	7	6	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	288	53	158	21	34	5	17	-	26	-	15	13	70	36

April 2024- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	5	3	1	-	-	2	-	-	-	-	-	-	-	-
Negative BLH	4	1	2	-	-	1	-	4	-	5	-	1	-	-
Positive Host Plant	2	-	2	-	-	-	-	-	-	1	-	-	-	-
Negative Host Plant	146	25	47	34	20	4	8	11	2	11	9	2	26	10

## 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 0-2 BLH per sweep set.
- Host vegetation surveyed included Mallow, London Rocket, Shepherd's Purse, Filaree, *Plantago*, Mustards, Russian Thistle, Pig Weed, Bassia, 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>
Big C	4/2/2024	2.5
Domegine	4/2/2024	1.1
Arbios	4/2/2024	0.4
Benito	4/2/2024	0.2
W Nees Ave	4/2/2024	0.6
Cantua Creek	4/3/2024	0.2
Levis	4/3/2024	0.2
Coalinga	4/3/2024	0.3
Huron	4/4/2024	1.2
Coalinga	4/8/2024	0.4
Levis	4/8/2024	0.9
San Joaquin	4/9/2024	0.2
Five Points	4/9/2024	0.8
Calflax	4/9/2024	0.8
Zapato	4/10/2024	0.9
Five Points	4/10/2024	2.3
Cantua	4/10/2024	0.2
Three Rocks	4/11/2024	3.7
Staircase	4/11/2024	0.7
Three Rocks	4/16/2024	0.5
Five Points	4/17/2024	0.6
Levis	4/17/2024	0.9
San Joaquin	4/18/2024	0.3
Helm	4/18/2024	0.5
Tranquillity	4/18/2024	0.8
Three Rocks	4/22/2024	0.7
Wood Ranch	4/22/2024	0.7
San Joaquin	4/23/2024	0.3
Coalinga	4/23/2024	1.5
Wood Ranch	4/24/2024	0.4
Mendota	4/25/2024	0.3
Benito	4/25/2024	0.3
Cantua Creek	4/25/2024	1.1
Coalinga	4/25/2024	0.8
Five Points	4/29/2024	1.0
Tranquillity	4/30/2024	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, Peppergrass, Goosefoot, London Rocket, Lamb's Quarter, Mustards, Bassia, Mallow, 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>
San Emidio	4/2/2024	1.2
San Emidio	4/3/2024	0.2
Triple 5's	4/3/2024	0.3
South Lake	4/4/2024	0.2
Shooting Range	4/4/2024	0.4
Elkhorn	4/8/2024	1.2
Tupman	4/8/2024	0.1
Buttonwillow	4/8/2024	0.2
Kitty Care	4/9/2024	1.9
Taft Hwy	4/9/2024	0.2
Union Rd	4/9/2024	0.1
Coles Levee Rd	4/9/2024	0.6
Bear Mountain Blvd	4/9/2024	0.5
Buttonwillow	4/10/2024	0.3
Millux	4/11/2024	0.2
San Emidio	4/15/2024	0.2
Spicer City	4/17/2024	0.9
Lokern	4/17/2024	0.4
Spicer City	4/18/2024	0.4
Bowerbank	4/22/2024	0.6
Mettler	4/23/2024	0.4
Buttonwillow	4/24/2024	0.6
Mettler	4/25/2024	0.2
Spicer City	4/25/2024	0.1
Buttonwillow	4/29/2024	0.6
Mettler	4/30/2024	0.3
Spicer City	4/30/2024	0.3
North Belridge	4/30/2024	0.3
Lost Hills	4/30/2024	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 0-2 BLH per sweep set. One area along Utica Ave had higher levels of BLH activity (10-50 BLH per sweep).
- Host vegetation surveyed included Mallow, Goosefoot, Mustards, *Plantago*, London Rocket, Russian Thistle, 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 Hills n/o 41	4/3/2024	2.2
Kettleman City	4/4/2024	0.6
Kettleman Hills n/o 41	4/8/2024	3.9
Kettleman Hills s/o 41	4/9/2024	3.4
Kettleman City	4/10/2024	0.6
Kettleman City	4/16/2024	0.7
Kettleman City	4/17/2024	0.8
Omaha Ave	4/17/2024	0.8
Nevada Ave	4/17/2024	0.8
Stratford	4/18/2024	0.4
Utica Ave	4/25/2024	13.0
25th Ave	4/25/2024	9.8
Avenal	4/29/2024	0.6
25th Ave	4/29/2024	0.5
Pyramid Hills Rd	4/30/2024	1.1
Devils Den Rd	4/30/2024	0.9
Kettleman City	4/30/2024	0.6
Avenal Cutoff Rd	4/30/2024	0.8
Utica Ave	4/30/2024	0.4

Madera 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, London Rocket, Russian Thistle, and Filaree.
- A map identifying BLH counts is provided at the end of the report.

<b>Madera County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Ave 7	4/16/2024	0.2
La Vina	4/29/2024	0.4
Borden	4/30/2024	0.6
Rd 6	4/30/2024	0.4

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, Shepherd's Purse, Russian Thistle, and Filaree.
- A map identifying BLH counts is provided at the end of the report.

<b>Merced County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
McSwain	4/3/2024	0.2
Hwy 165	4/18/2024	1.4
S Pole Line Rd W	4/18/2024	0.4

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

San Joaquin County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Tracy	4/16/2024	1.1

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>
Hershey	4/2/2024	0.5
Miller's Landing	4/2/2024	0.8
Sycamore	4/29/2024	1.8
Cortena	4/29/2024	0.2
2 Mile Rd	4/29/2024	0.4



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

<b>Yolo County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Madison	4/18/2024	0.2
Davis	4/18/2024	0.2

### Sutter 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.

<b>Sutter County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Cranmore Rd	4/25/2024	1.4

Stanislaus 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, Russian Thistle, Mustards, 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>
Crows Landing	4/9/2024	0.4
Crows Landing	4/22/2024	0.2
Stomar	4/22/2024	1.0
Newman	4/22/2024	0.8
Westley	4/22/2024	1.0
Vernalis	4/22/2024	3.4
N Gates Rd	4/22/2024	0.2
Crows Landing	4/23/2024	0.7
Westley	4/24/2024	1.5
Grayson	4/24/2024	0.6
Vernalis	4/24/2024	0.9
California Ave	4/24/2024	0.2

### Glenn 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.

<b>Glenn County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Norman	4/9/2024	0.2
Afton	4/9/2024	0.6
Butte City	4/9/2024	1.2
Codora	4/23/2024	1.2
Bayliss	4/23/2024	0.6
County Rd 206	4/23/2024	0.2

### Butte 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.

<b>Butte County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Durham	4/10/2024	1.4
Dayton	4/10/2024	0.2
Nelson	4/10/2024	0.6
Gridley	4/11/2024	0.4

Sacramento 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, Bindweed, and Filaree.
- 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>
Sloughhouse	4/2/2024	0.3

Solano County

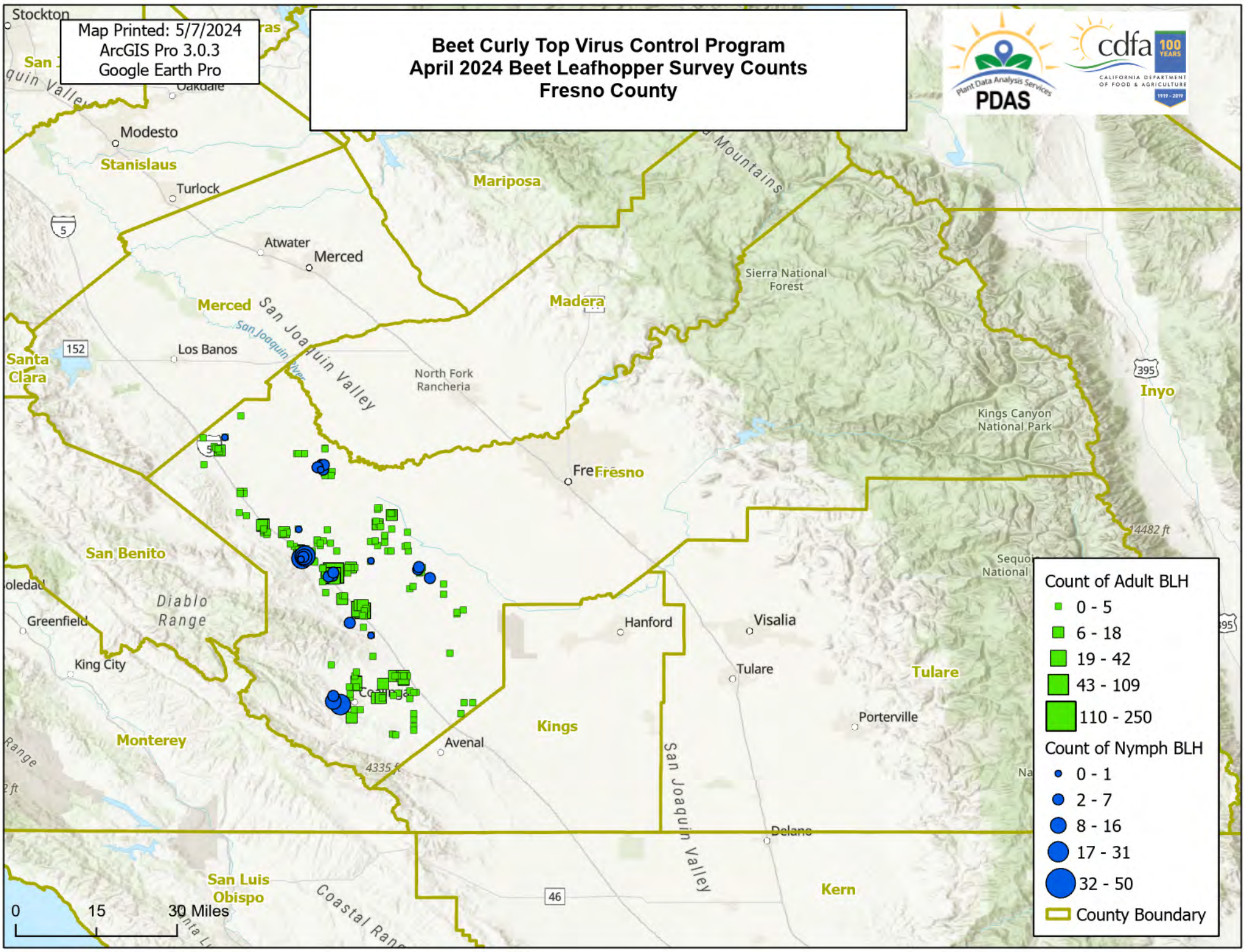
- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow, Mustards, Lamb’s Quarter, Bindweed, and Filaree.
- A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

Solano County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Dixon	4/9/2024	1.0
Teller Ave	4/23/2024	0.1

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/)

Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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



**Count of Adult BLH**

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

**Count of Nymph BLH**

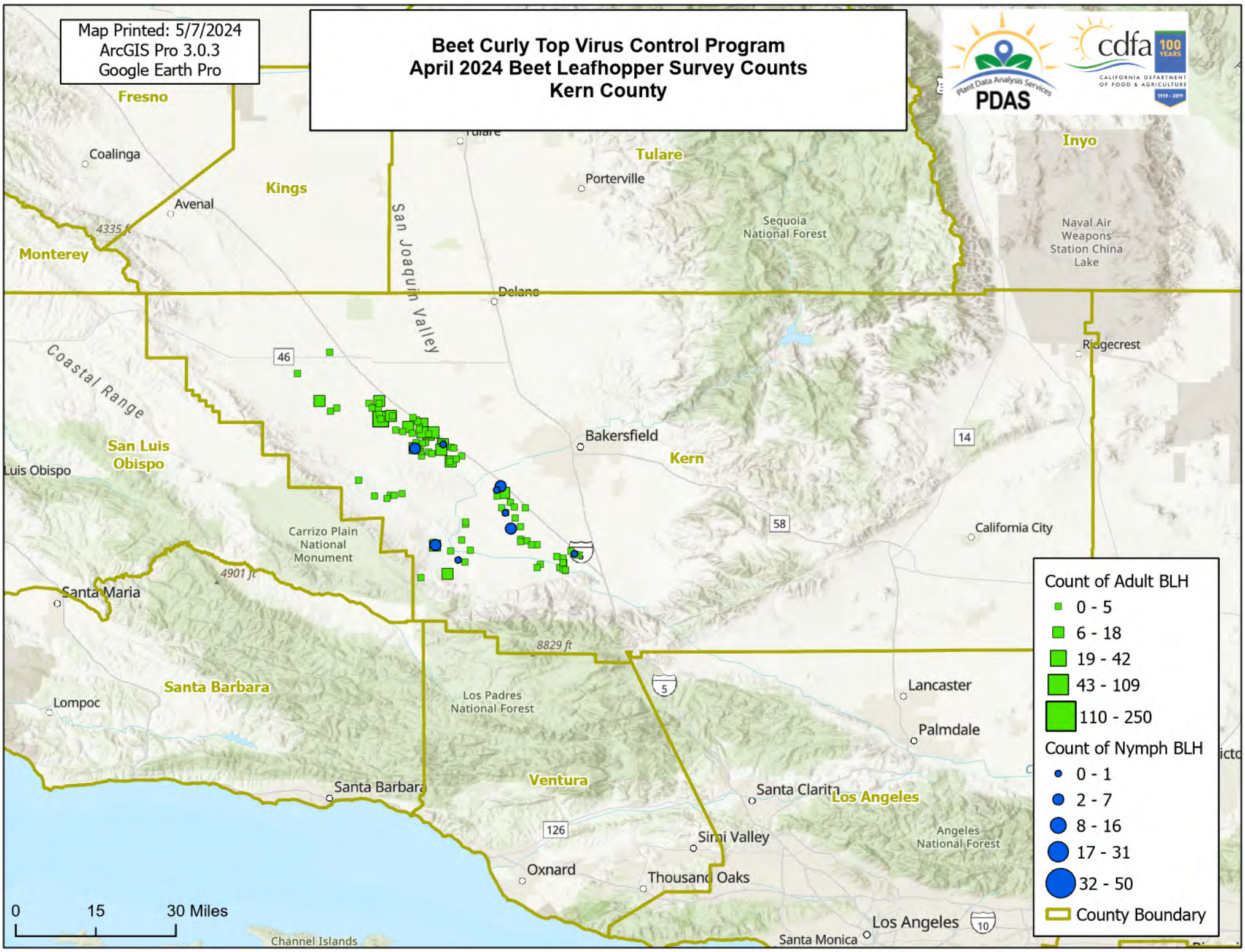
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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

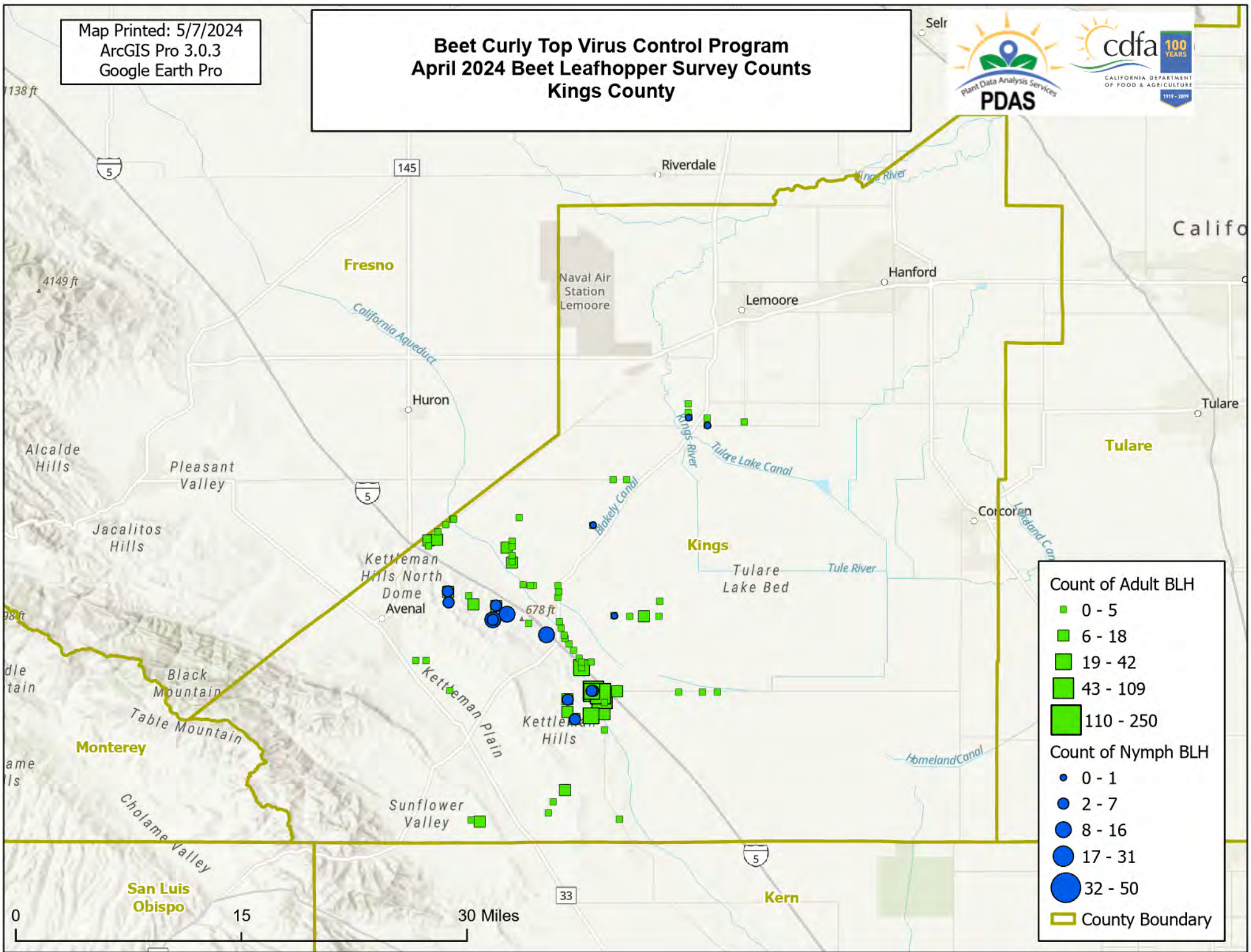
County Boundary

0 15 30 Miles



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 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**

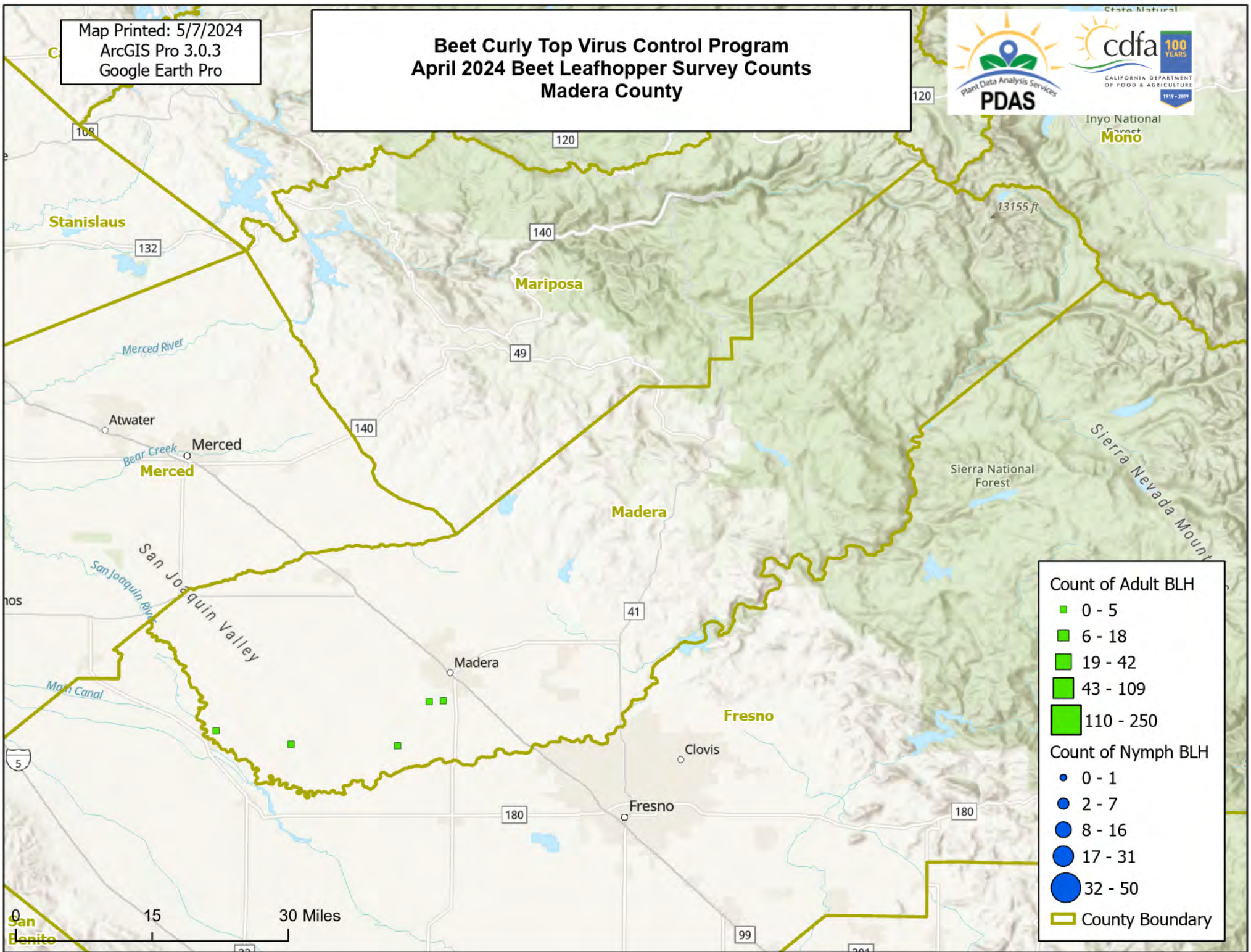
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Madera County



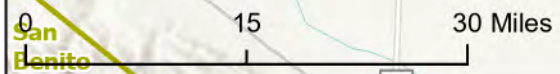
**Count of Adult BLH**

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

**Count of Nymph BLH**

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

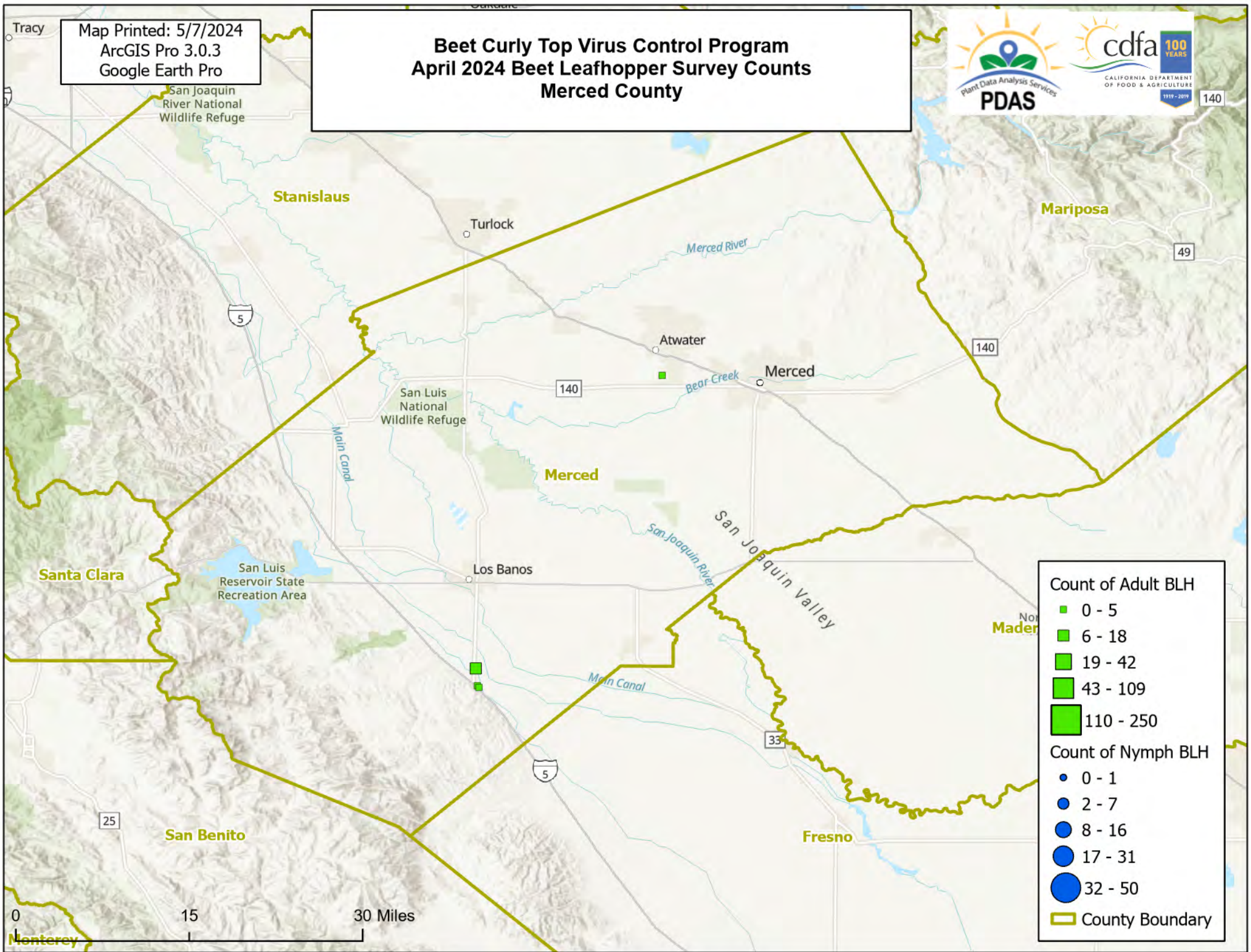
County Boundary





Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Merced County

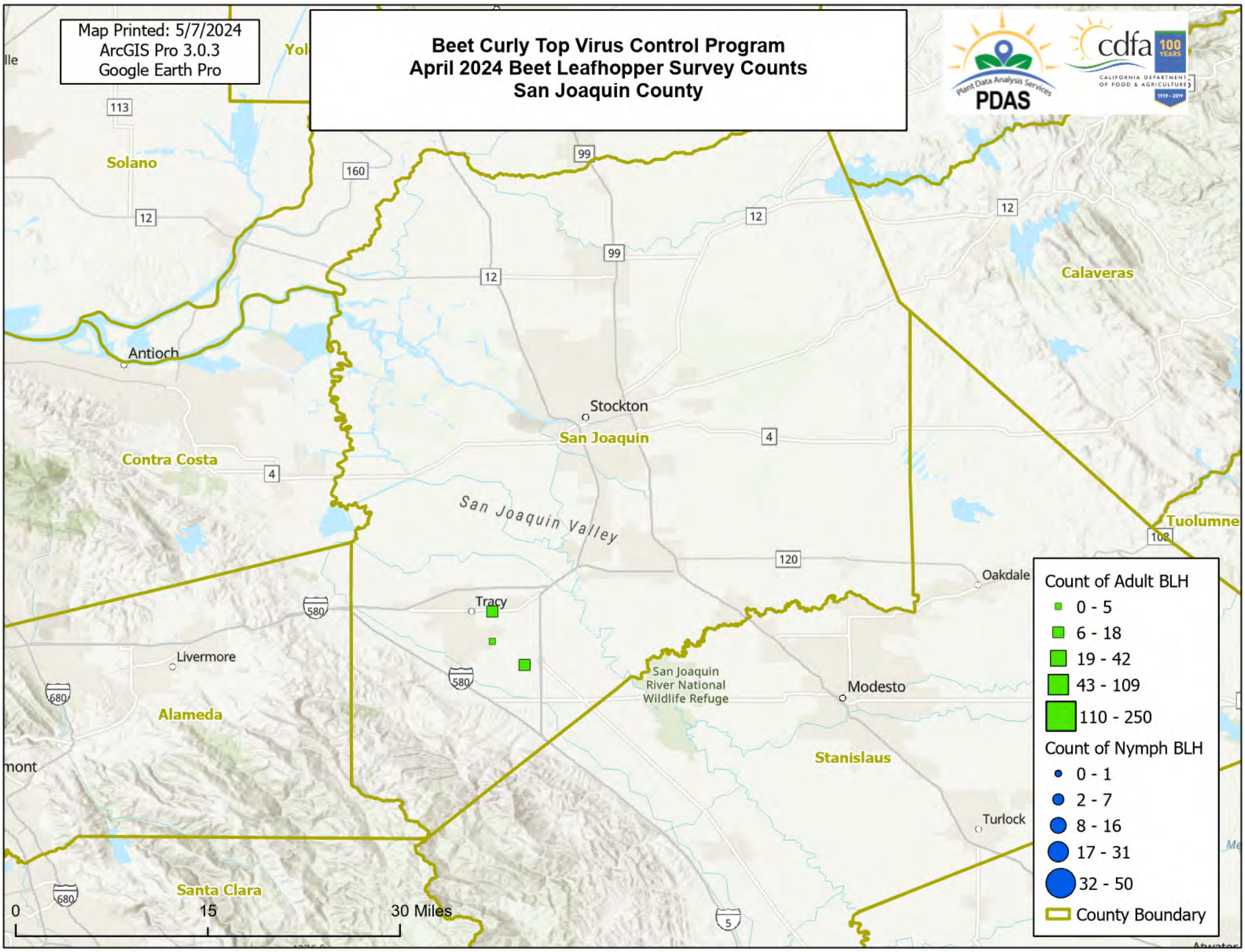


0 15 30 Miles



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts San Joaquin County



**Count of Adult BLH**

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

**Count of Nymph BLH**

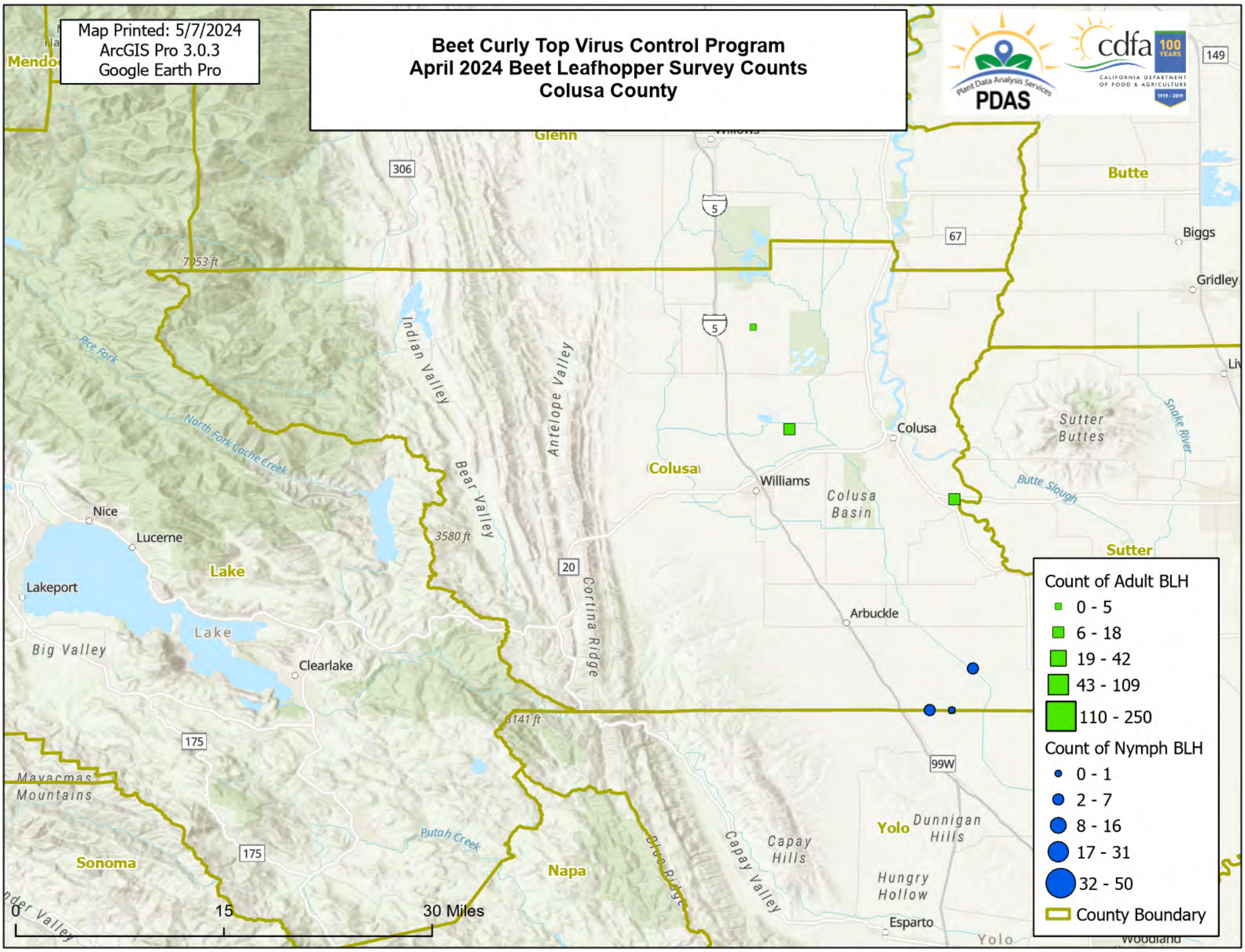
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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

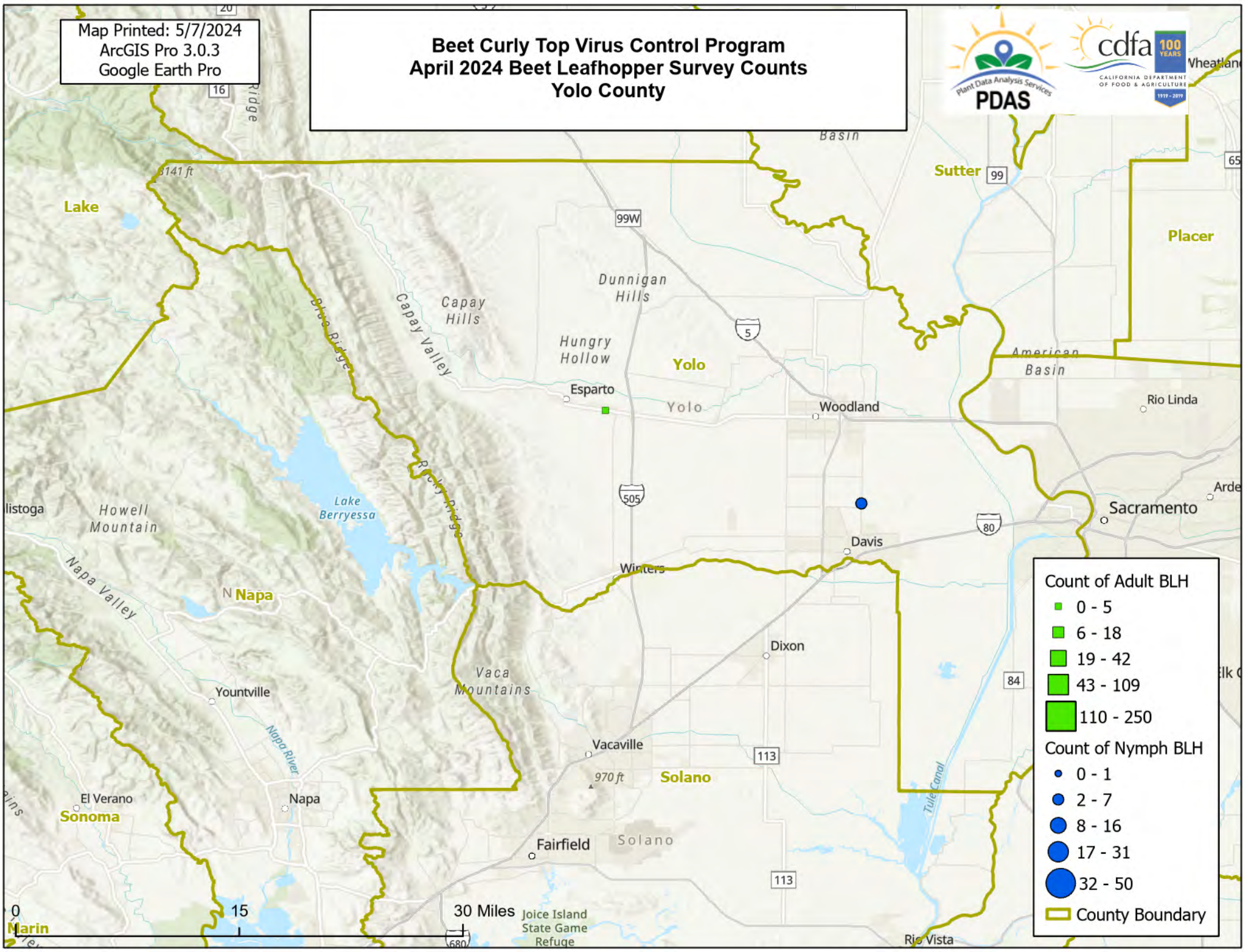
**County Boundary**

0 15 30 Miles



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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

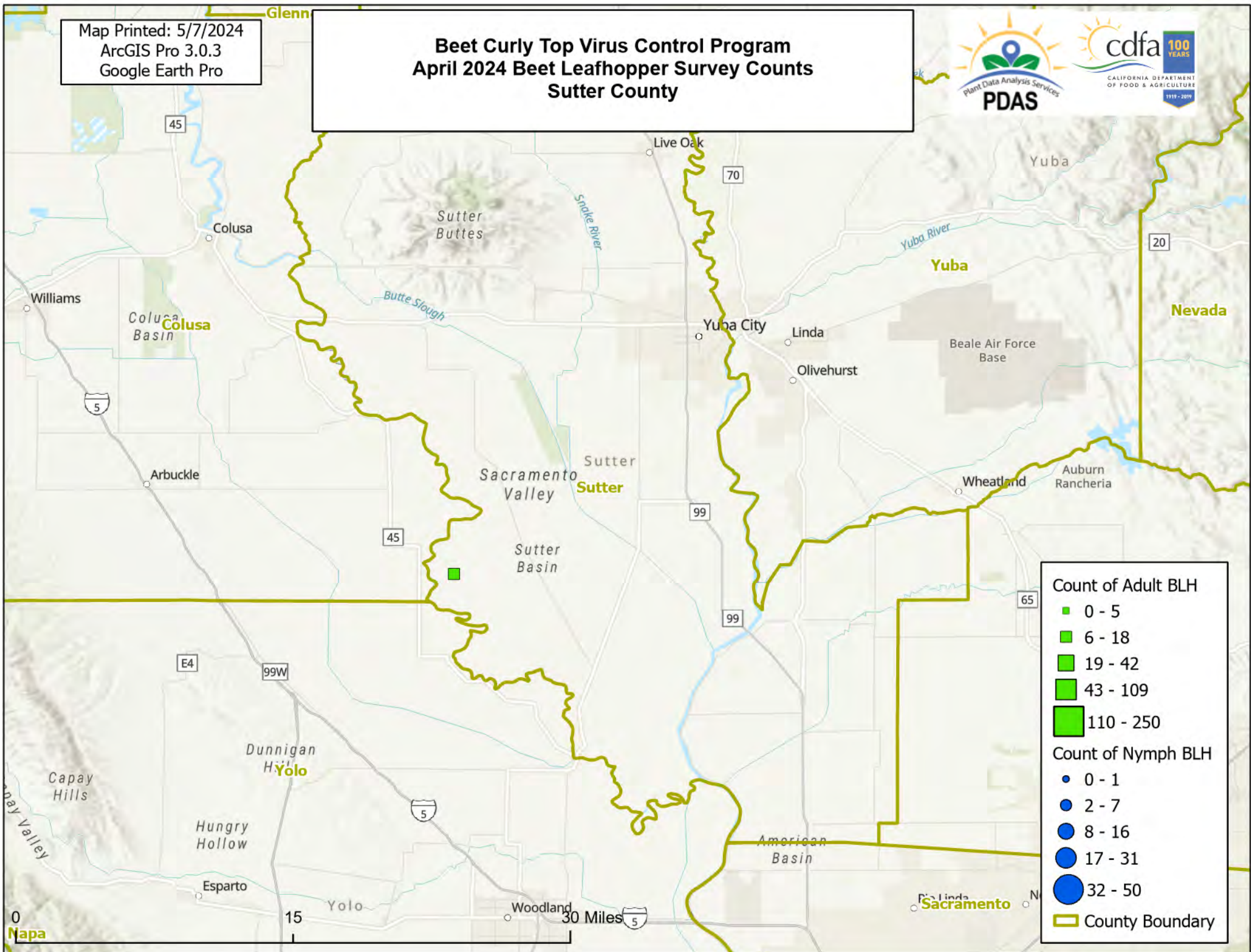


30 Miles  
Joice Island State Game Refuge



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Sutter County



**Count of Adult BLH**

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

**Count of Nymph BLH**

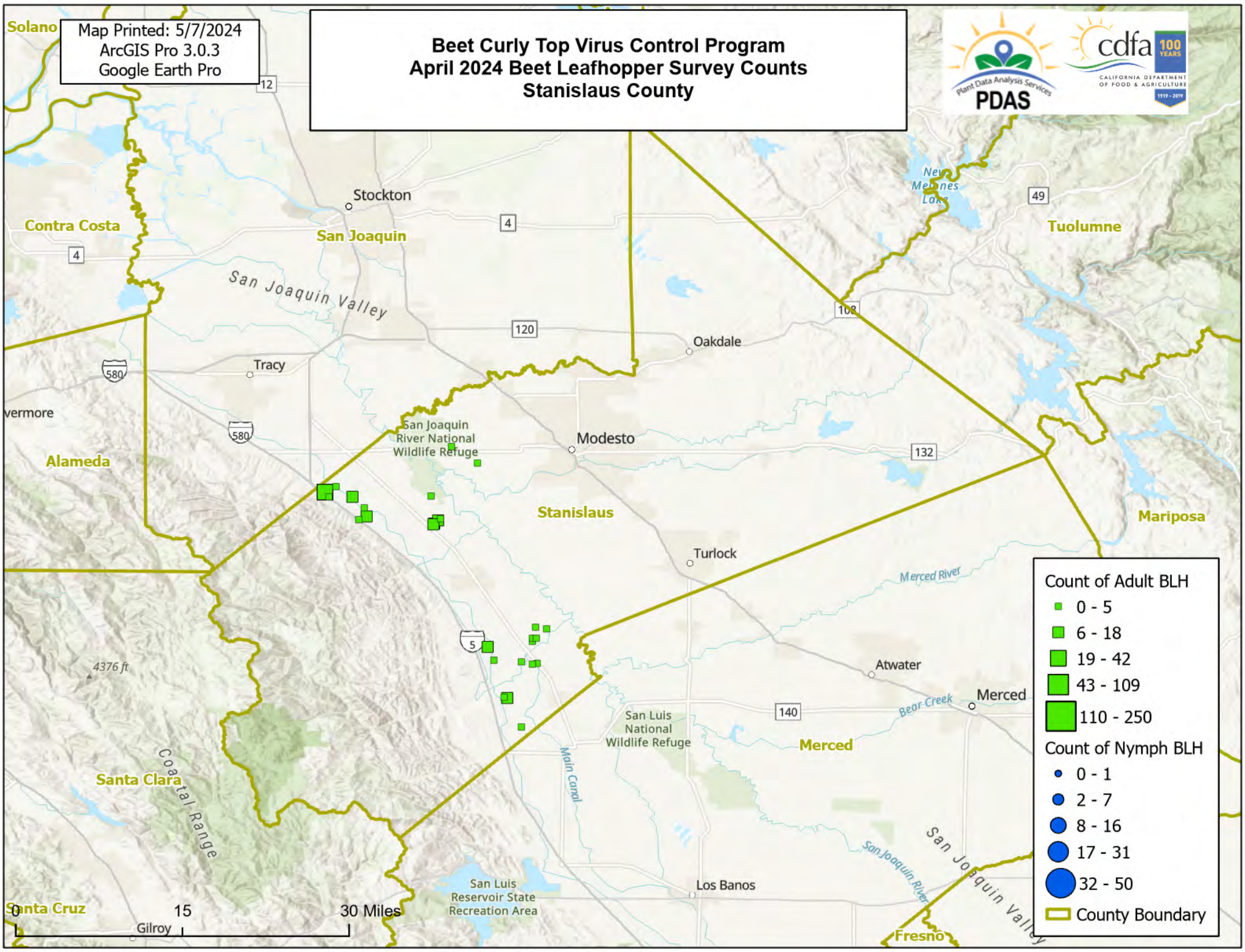
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

▬ County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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



**Count of Adult BLH**

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

**Count of Nymph BLH**

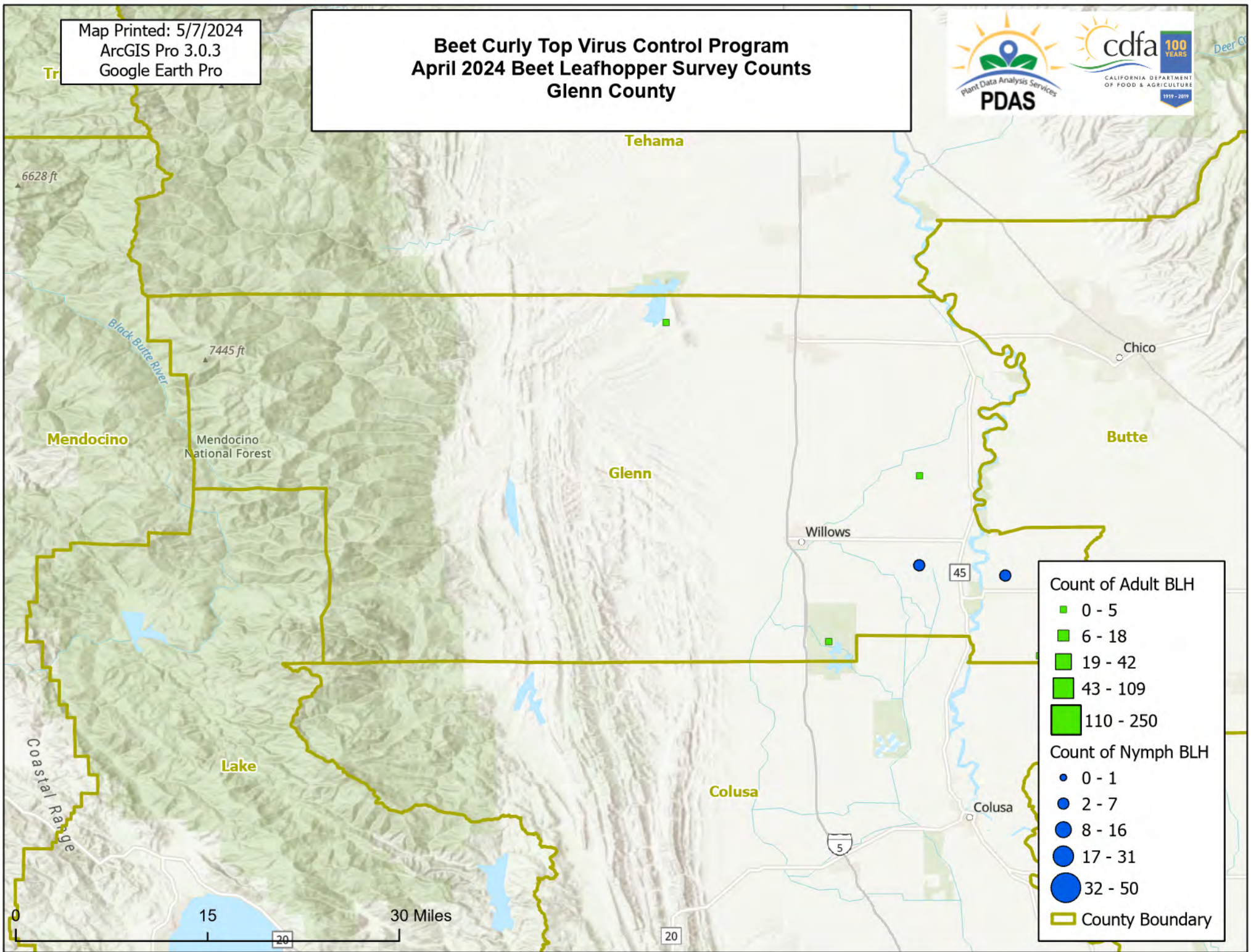
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Glenn County



**Count of Adult BLH**

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

**Count of Nymph BLH**

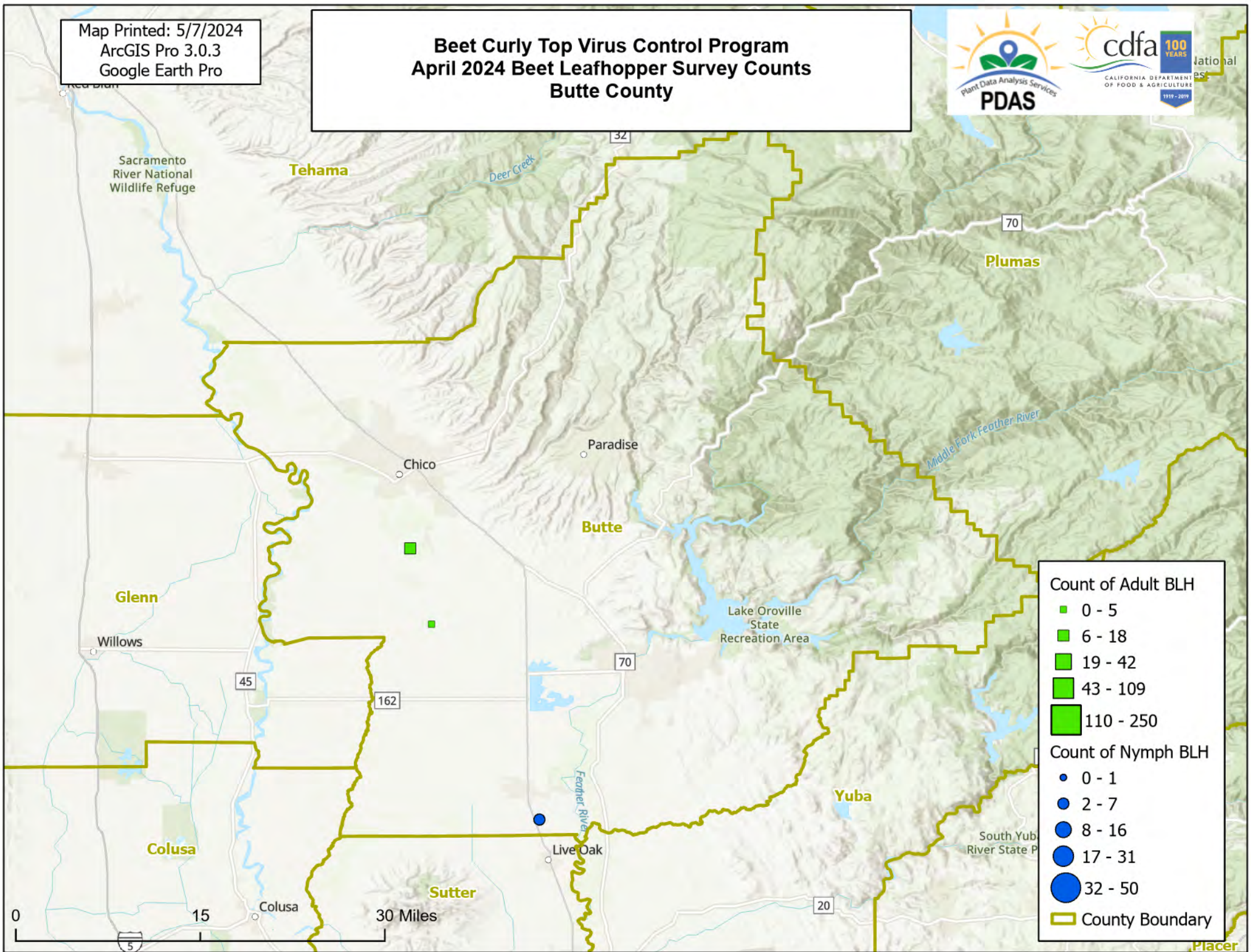
- 0 - 1
- 2 - 7
- 8 - 16
- 17 - 31
- 32 - 50

County Boundary



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

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

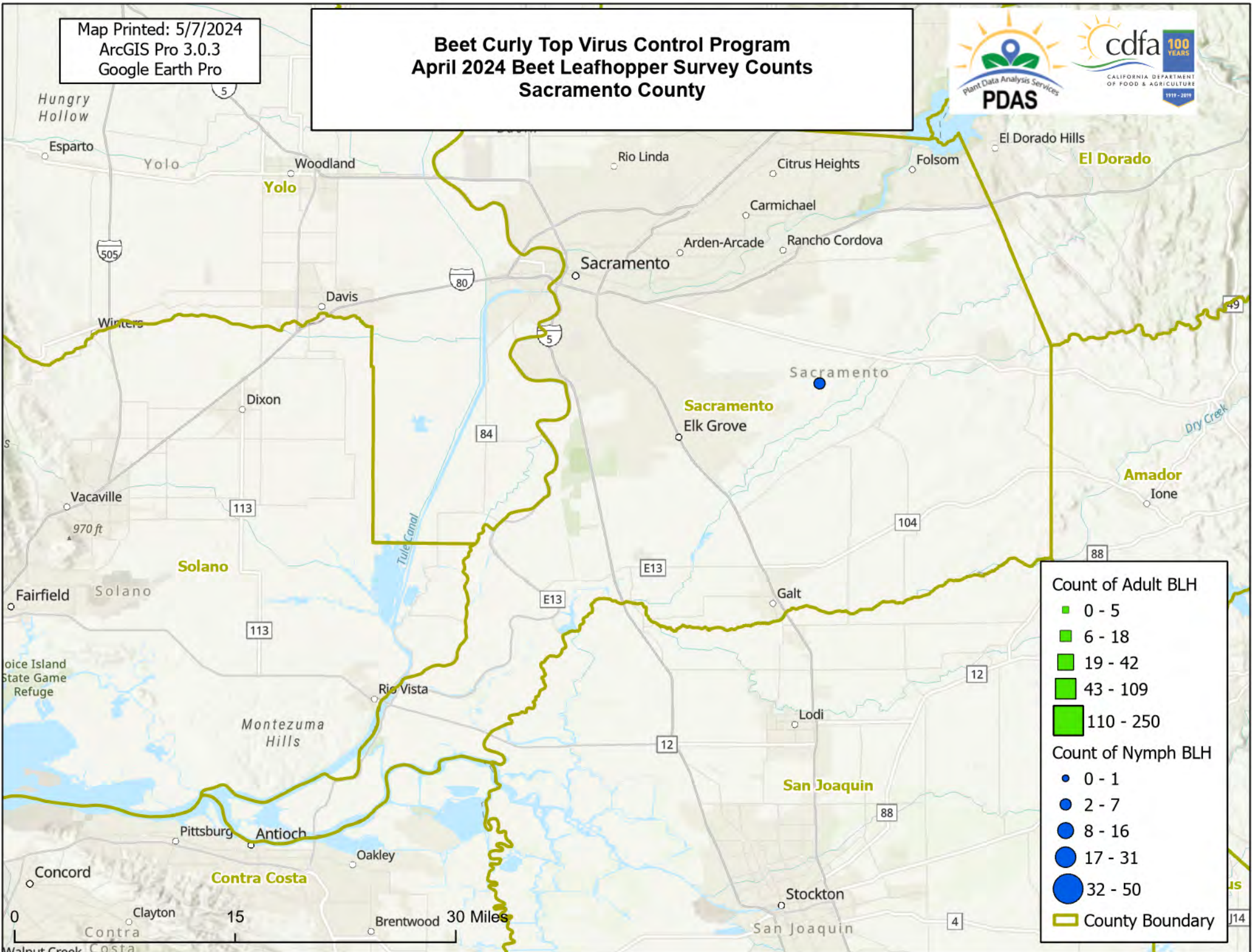


0 15 30 Miles



Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

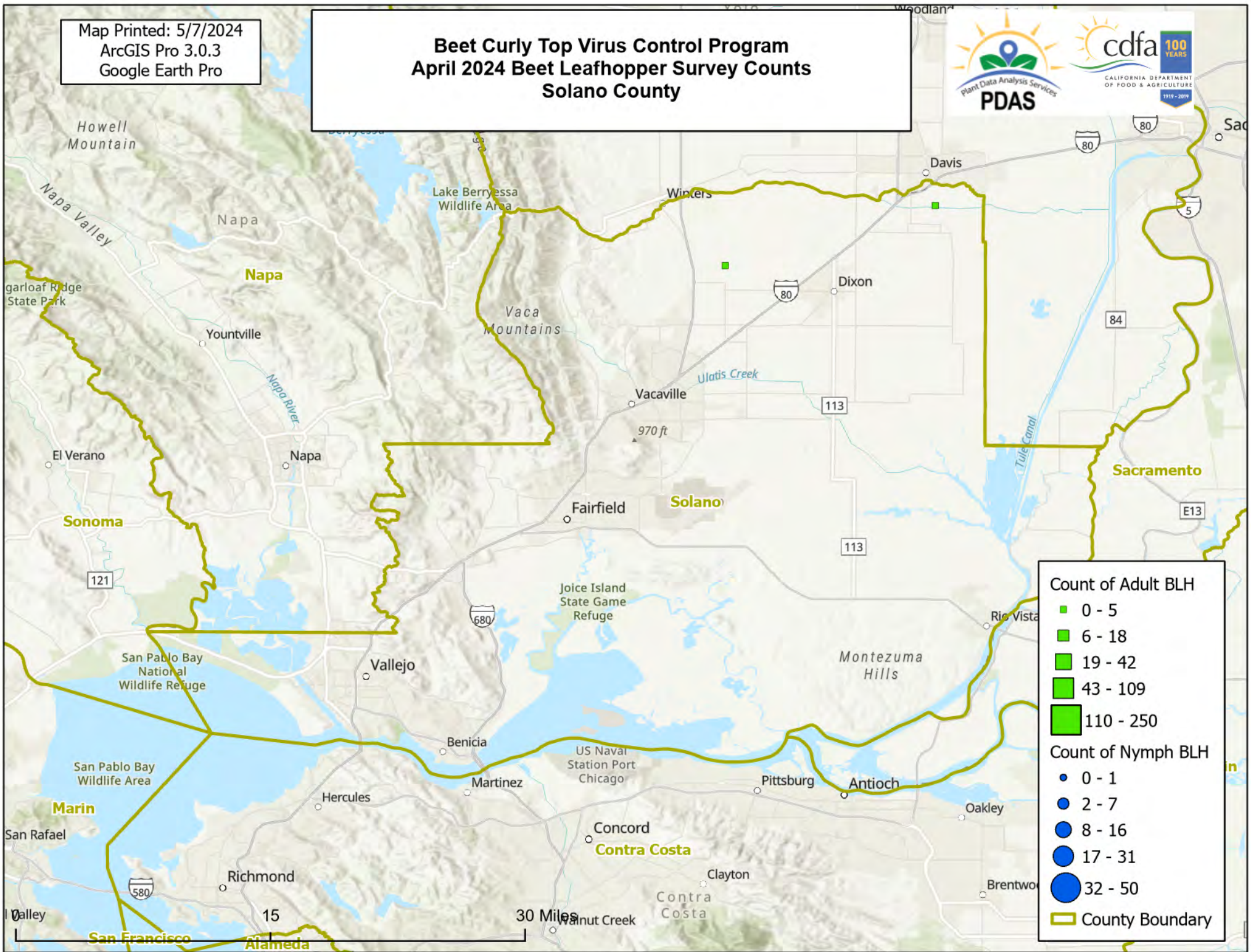
# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Sacramento County





Map Printed: 5/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program April 2024 Beet Leafhopper Survey Counts Solano 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