

# Beet Curly Top Virus Control Program

## Monthly Report

California Department of Food and Agriculture  
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**September 2024**

### Program Update

- In September, 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, Yuba, and Colusa counties.
- BLH counts remained very low or not present in all survey areas statewide (0-2 BLH per sweep). There have been no significant changes to BLH averages or congregation of BLH populations currently.
- Staff will be shifting to survey in a 1–3-mile buffer zone from the hillside Spring survey sights.
- Host plant vegetation is showing advance stages of die off throughout the state. Russian Thistle, Bassia, and Mallow remain the primary host plant observed.
- 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



### June 2024- BCTV Sample Results by County

	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Tehama
Positive BLH	3	-	-	-	-	-	-	-	-	-	-	1	-	-	1
Negative BLH	-	-	2	-	-	-	-	-	-	-	-	-	-	-	9
Positive Host Plant	-	-	12	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	5	-	124	1	3	-	-	-	-	-	-	4	4	-	14
Positive Commodity Plants	7	6	49	1	-	-	1	-	-	-	-	-	1	-	1
Negative Commodity Plants	24	7	31	4	2	-	5	11	6	-	-	1	6	5	5

### July 2024- BCTV Sample Results by County

	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Tehama
Positive BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	1	-	52	-	-	-	-	-	-	-	-	-	1	-	-
Negative Host Plant	5	-	138	-	-	-	-	-	-	-	-	-	1	-	-
Positive Commodity Plants	-	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Negative Commodity Plants	-	-	5	7	-	-	-	-	-	-	-	-	-	-	-

### August 2024- BCTV Sample Results by County

	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Tehama
Positive BLH	1	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	-	3	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	6	1	52	2	-	-	-	-	-	-	-	-	1	1	-
Negative Host Plant	18	4	122	1	-	4	2	2	1	-	1	3	4	2	-
Positive Commodity Plants	-	-	-	-	-	1	-	-	-	-	-	-	-	1	-
Negative Commodity Plants	-	-	-	-	-	10	3	29	5	-	13	14	-	12	-



September 2024- BCTV Sample Results by County															
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Yuba
Positive BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	-	-	-	2	-	-	3	2	-	-	-	2	-	-	-
Positive Commodity Plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Commodity Plants	-	-	-	-	-	-	1	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 0-1 BLH per sweep set.
- Host vegetation surveyed included Bassia, Alfalfa, Mallow, and Russian Thistle.
- 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>
Levis	9/5/2024	0.1
Polvadero Gap	9/5/2024	0.2
Hwy 145	9/10/2024	1.0
Polvadero Gap	9/11/2024	0.2
San Joaquin	9/16/2024	0.1
S Derrick Ave	9/18/2024	0.2
Coalinga	9/18/2024	0.1
Polvadero Gap	9/18/2024	0.2
Levis	9/23/2024	0.5
Three Rocks	9/24/2024	0.7
Coalinga	9/25/2024	0.1

## 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 Goosefoot, Bassia, and Russian Thistle.
- 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>
Truman Ave	9/3/2024	0.1
Lost Hills	9/4/2024	0.1
North Belridge	9/9/2024	0.2
Antelope Valley	9/9/2024	0.1
Semitropic	9/9/2024	0.1
Antelope Valley	9/10/2024	0.1
Bowerbank	9/11/2024	0.2
Kilowatt	9/11/2024	0.3
King Rd	9/12/2024	0.1
Tupman	9/16/2024	0.3
Bowerbank	9/16/2024	0.1
Kilowatt	9/16/2024	0.1
Kern Lake	9/16/2024	0.1
Bowerbank	9/17/2024	0.2
San Emidio	9/19/2024	0.1
Bowerbank	9/24/2024	0.1
Kilowatt	9/24/2024	0.2
Buttonwillow Ridge	9/24/2024	0.3
Hwy 166	9/25/2024	0.4
Buttonwillow Ridge	9/25/2024	0.2
Cappello Rd	9/30/2024	0.1
Costley Ave	9/30/2024	0.1
Missouri Triangle	9/30/2024	0.1
Spicer City	9/30/2024	0.1

### 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 the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Bassia and Russian Thistle.
- A map identifying 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>
Sunflower Valley	9/4/2024	0.2
Dudley Ridge	9/10/2024	0.2
Sunflower Valley	9/11/2024	0.1
Dudley Ridge	9/17/2024	0.2
Dudley Ridge	9/26/2024	0.2
Kettleman City	9/26/2024	0.2
Dudley Ridge	9/30/2024	0.2

### 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 Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

Madera County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Ave 7	9/5/2024	0.6

### 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 Russian Thistle.
- 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	9/3/2024	0.7
Los Banos	9/4/2024	0.7
Hwy 165	9/5/2024	1.0

### San Joaquin 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 0-2 BLH per sweep set.
- Host vegetation surveyed included Mallow, Bindweed, Primrose, Pigweed, and Russian Thistle.
- 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>
French Camp	9/4/2024	0.4
French Camp	9/5/2024	3.7
Tracy	9/5/2024	0.4
Lodi	9/23/2024	0.4
Garden Acres	9/25/2024	1.0
Stockton	9/25/2024	0.6
Acampo	9/26/2024	0.1
Dogtown	9/26/2024	4.2

### Colusa 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, Mustards, Filaree, Russian Thistle, Doveweed, and Bindweed.
- 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>
Williams	9/4/2024	0.1
Williams	9/17/2024	0.5
Colusa	9/17/2024	0.1
Grimes	9/17/2024	0.3
Graino	9/17/2024	0.1
Arbuckle	9/18/2024	0.1
Cortena	9/23/2024	0.1
Maxwell	9/23/2024	0.2
Delevan Rd	9/23/2024	0.1
2 Mile Rd	9/24/2024	0.3
Princeton	9/24/2024	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, Bindweed, Russian Thistle, Mustards, and Clover.
- 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>
Dunnigan	9/3/2024	0.4
Zamora	9/3/2024	0.4
El Rio Villa	9/16/2024	0.2
Madison	9/18/2024	1.2
St Hwy 128	9/24/2024	0.2
Davis	9/24/2024	0.7
Woodland	9/26/2024	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 and Bindweed.
- A map identifying BLH counts is provided at the end of the report.

Sutter County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Kirkville	9/9/2024	0.2
Catlett	9/11/2024	0.2
Tarke	9/11/2024	2.7
E Butte Rd	9/11/2024	0.1

### 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 Russian Thistle and Bassia.
- 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	9/9/2024	0.7
Westley	9/10/2024	0.6
Vernalis	9/11/2024	1.5

### 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, Bindweed, and Russian Thistle.
- A map identifying BLH counts is provided at the end of the report.

Glenn County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
County Rd D	9/11/2024	0.6

### 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, Bindweed, and Knotgrass.
- 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>
<u>Dayton</u>	9/9/2024	0.1
Gridley	9/10/2024	0.2
Butte City Hwy	9/10/2024	0.6
Richvale	9/12/2024	0.1
Butte City Hwy	9/12/2024	0.2
Anita	9/30/2024	0.2

### 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 0-2 BLH per sweep set.
- Host vegetation surveyed included Mallow, Filaree, Russian Thistle, Pig Weed, Doveweed, Bindweed, and Deerweed.
- A map identifying BLH counts is provided at the end of the report.

<b>Sacramento County BLH Survey</b>		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Bruceville	9/3/2024	7.0
Sloughhouse	9/3/2024	0.8
Ryde	9/16/2024	3.1
Vorden	9/16/2024	0.9
Clay	9/16/2024	0.4
Mackenson	9/17/2024	0.2
Westlake	9/18/2024	0.7
Greenbriar	9/19/2024	0.2
Sloughhouse	9/23/2024	1.4



### 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 and Bindweed.
- 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>
St Hwy 84	9/12/2024	0.9
Ryer Island	9/12/2024	0.3
Bunker	9/30/2024	0.2
Dixon	9/30/2024	0.2
Sucro	9/30/2024	0.3

### Yuba County

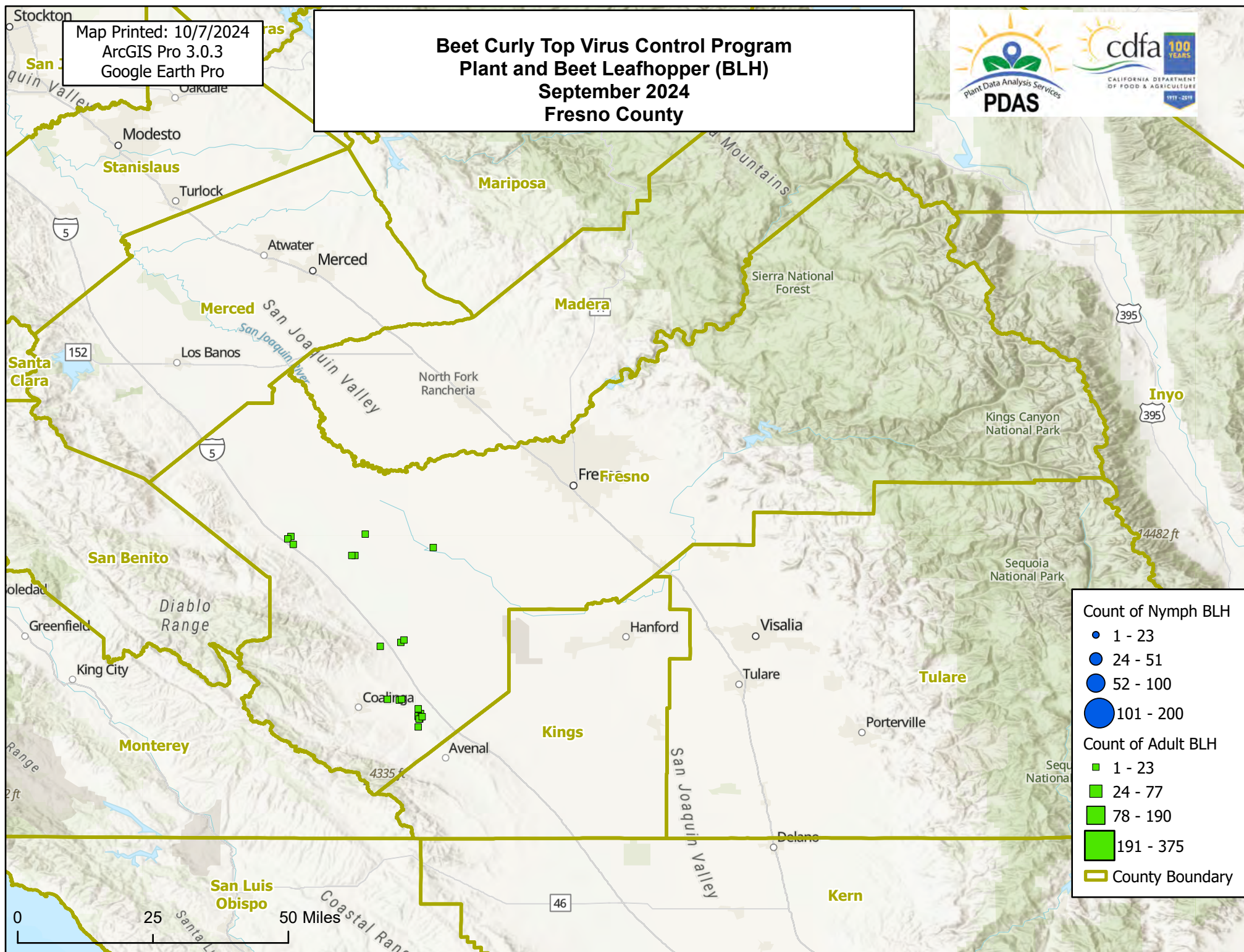
- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Geranium.
- A map identifying BLH counts is provided at the end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

Yuba County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Marysville	9/25/2024	0.4

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

Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

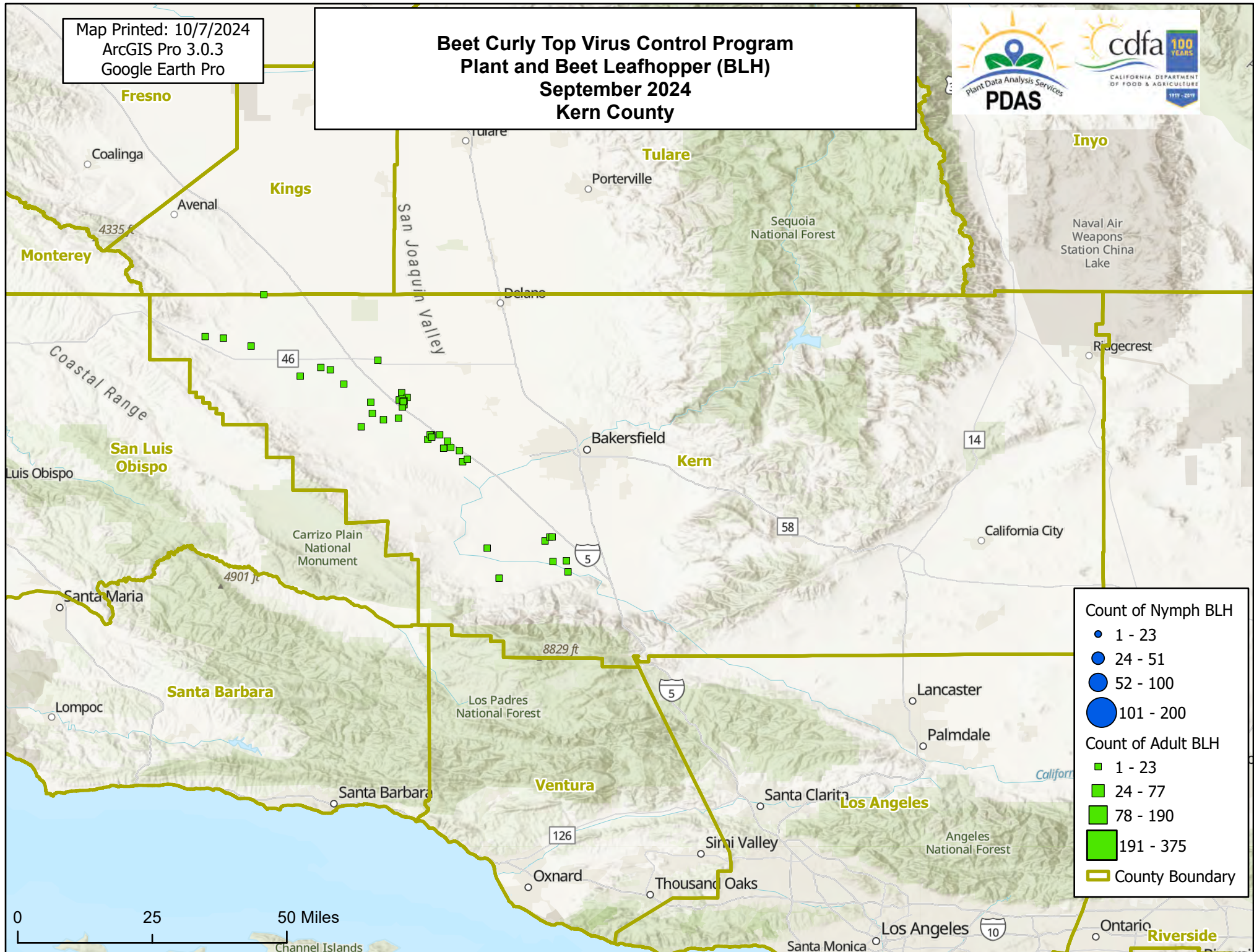
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Fresno County





Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

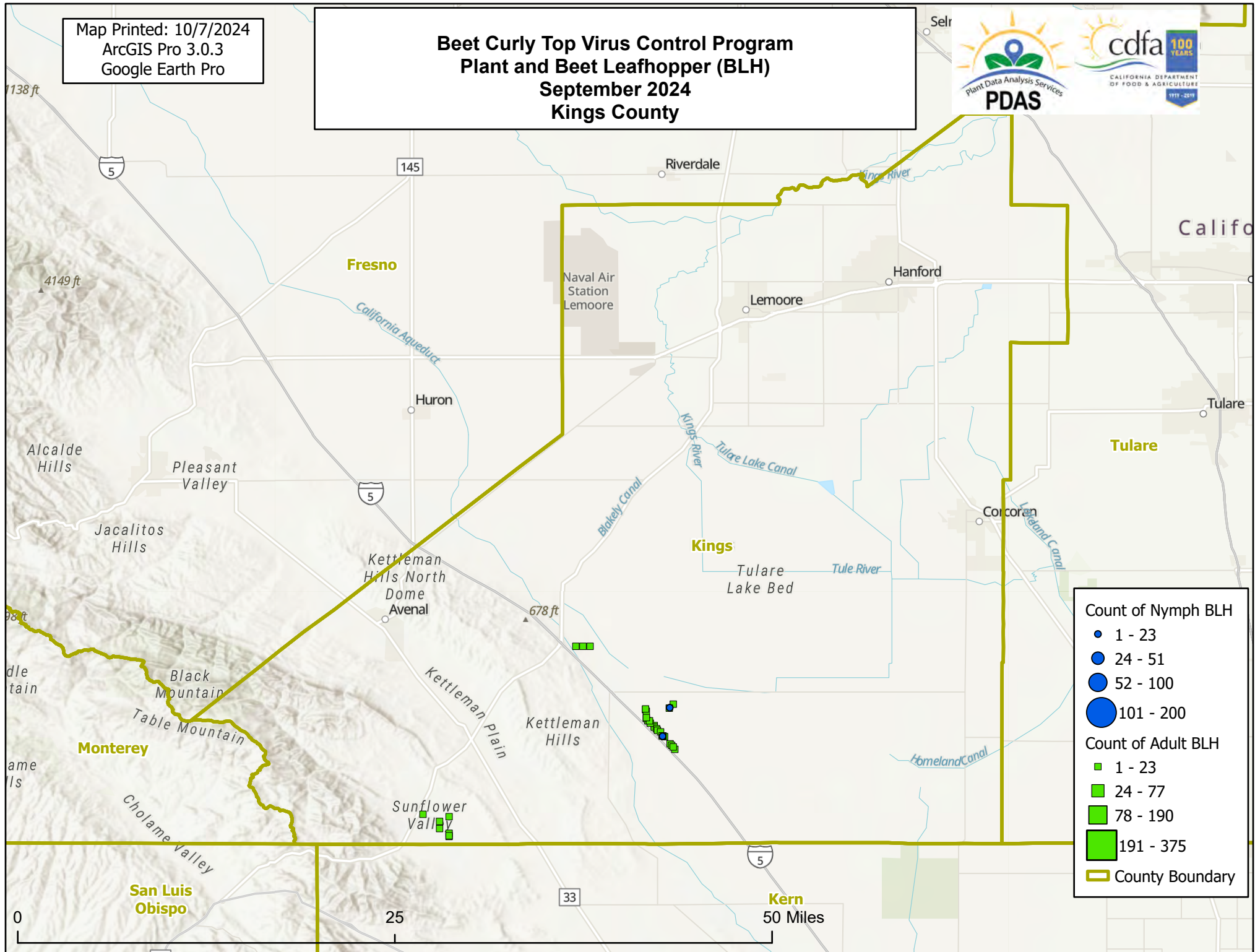
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Kern County



0 25 50 Miles

Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Kings County



## Count of Nymph BLH

- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

## Count of Adult BLH

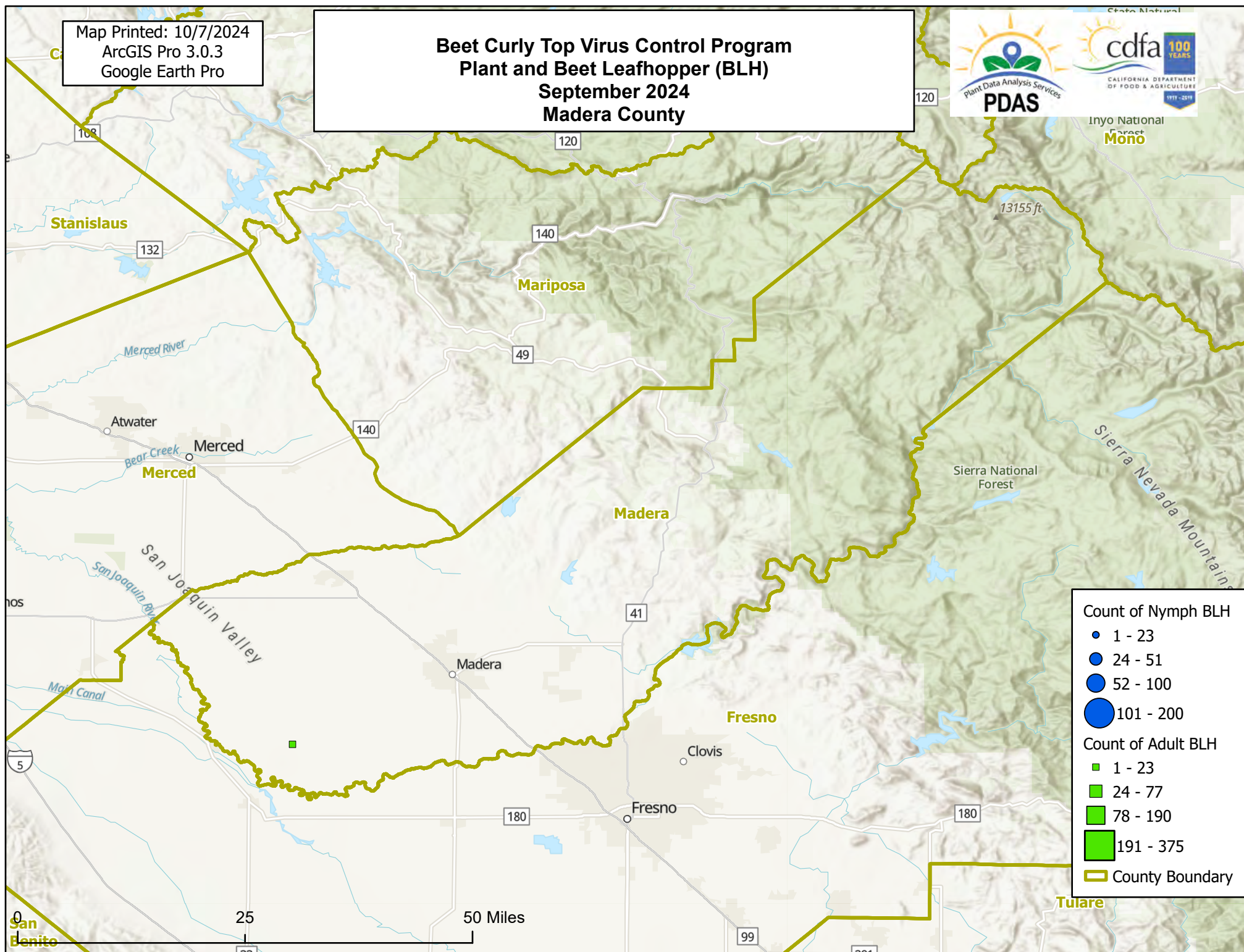
- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

County Boundary



Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

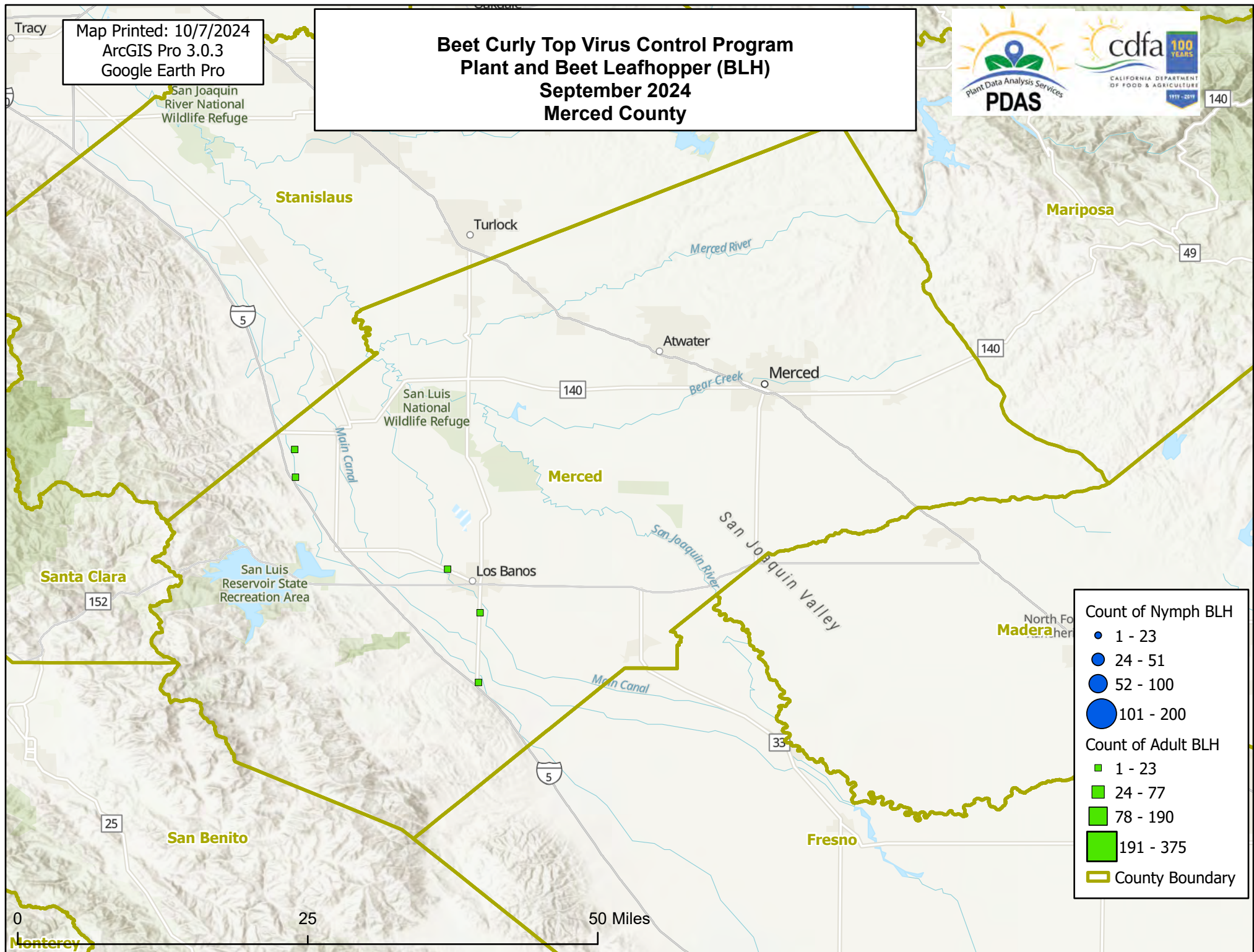
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Madera County





Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

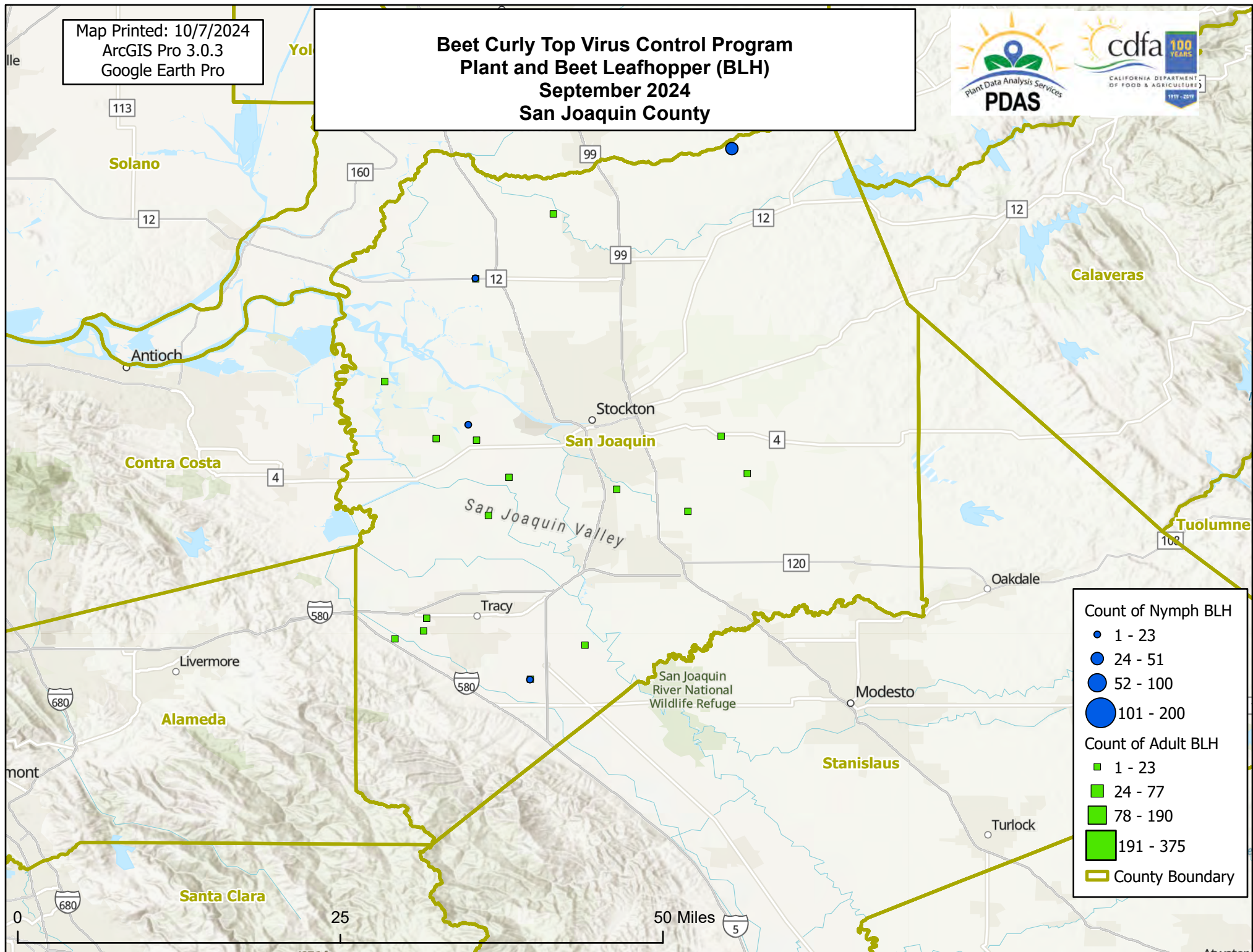
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Merced County





Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 San Joaquin County



Count of Nymph BLH

- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

County Boundary

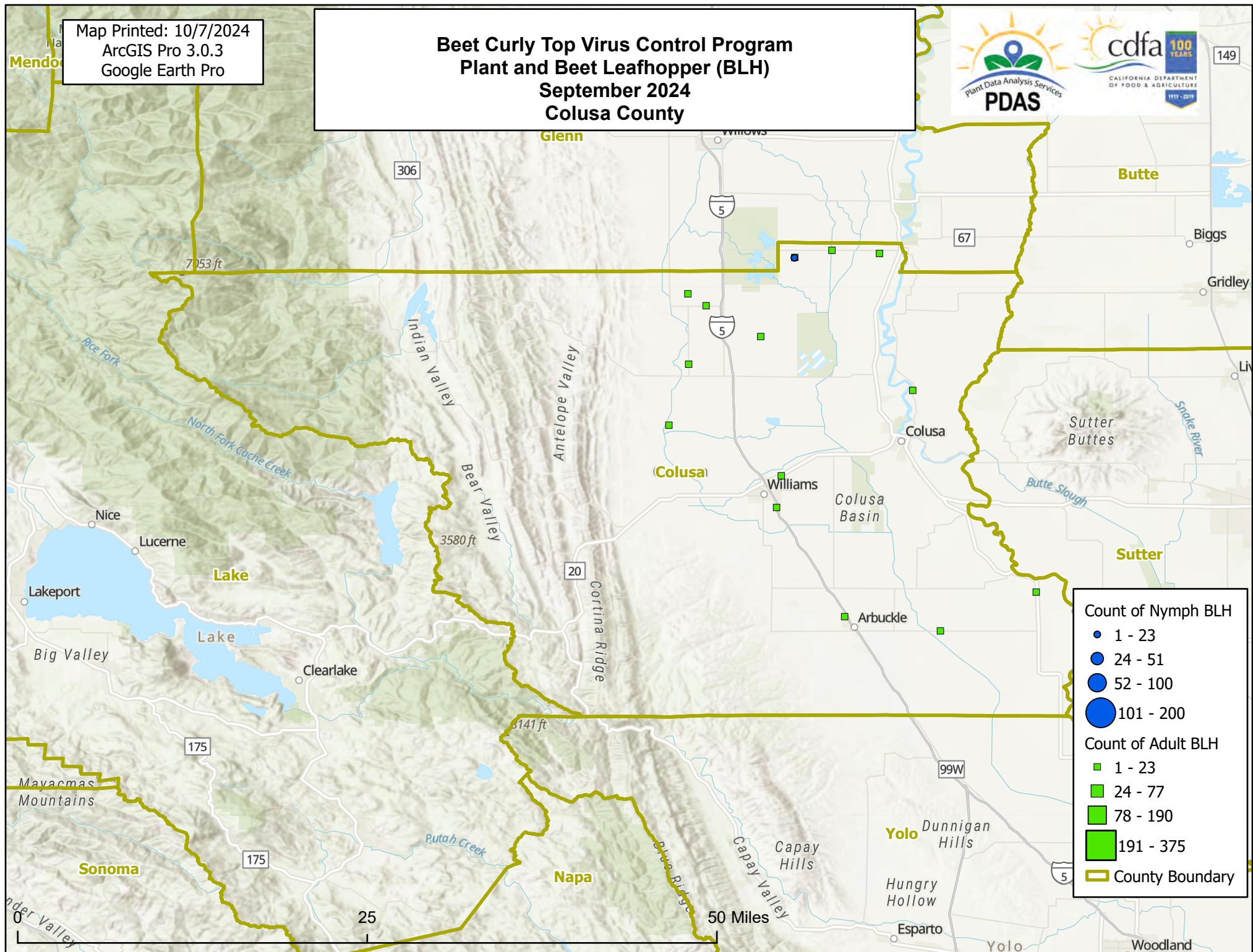


Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Colusa County



149



**Count of Nymph BLH**

- 1 - 23 (small blue dot)
- 24 - 51 (medium blue dot)
- 52 - 100 (large blue dot)
- 101 - 200 (very large blue dot)

**Count of Adult BLH**

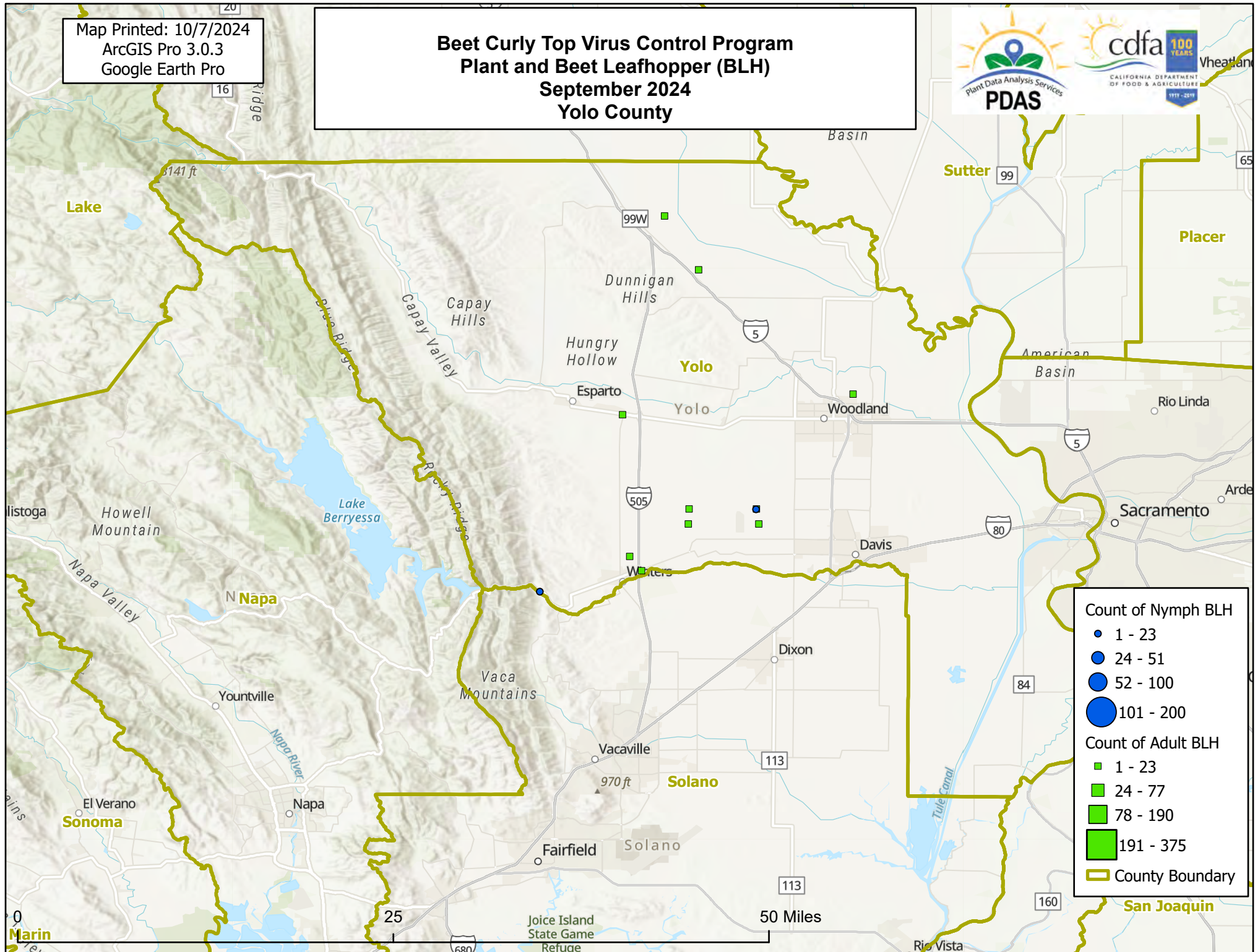
- 1 - 23 (small green square)
- 24 - 77 (medium green square)
- 78 - 190 (large green square)
- 191 - 375 (very large green square)

**County Boundary** (yellow line)



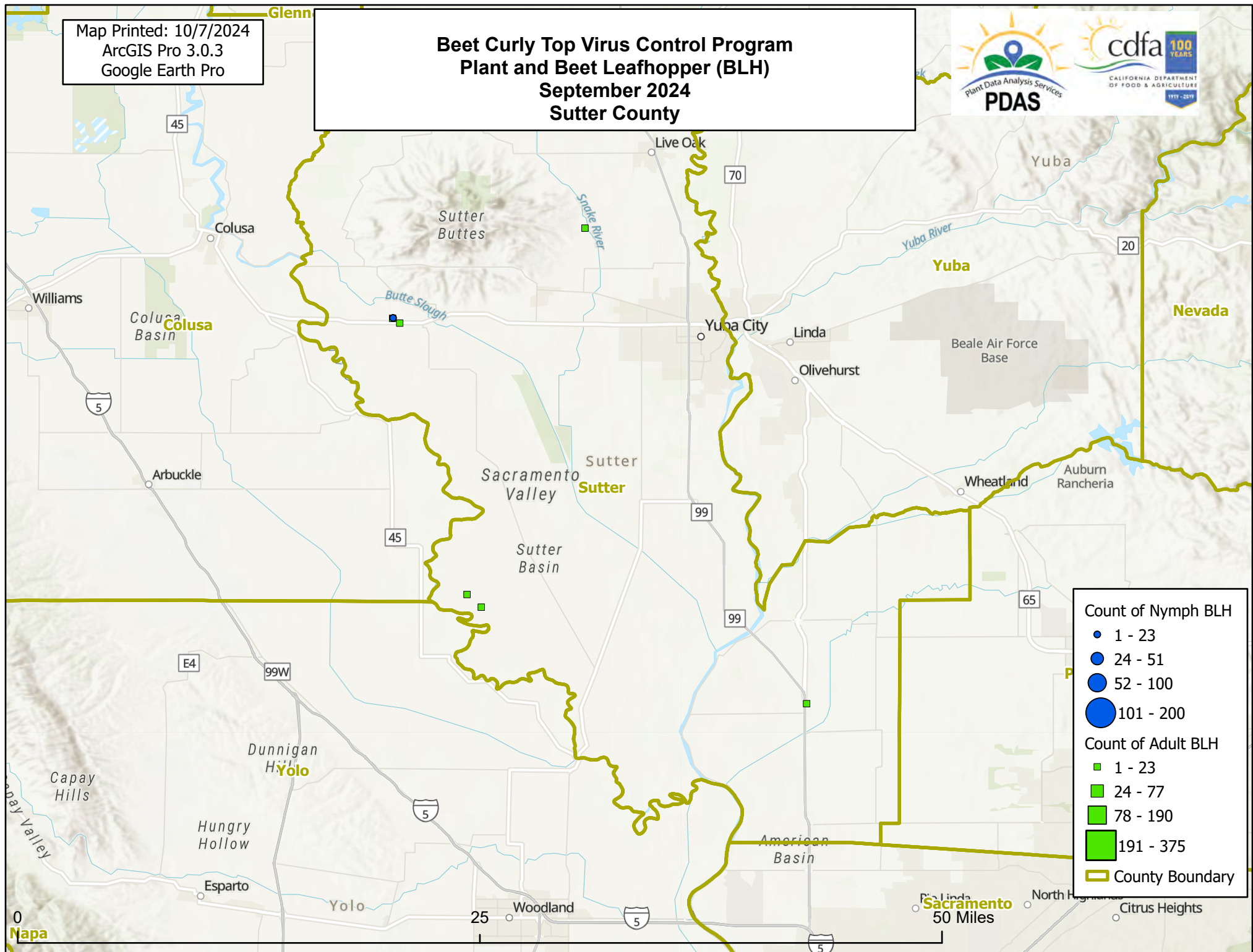
Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Yolo County

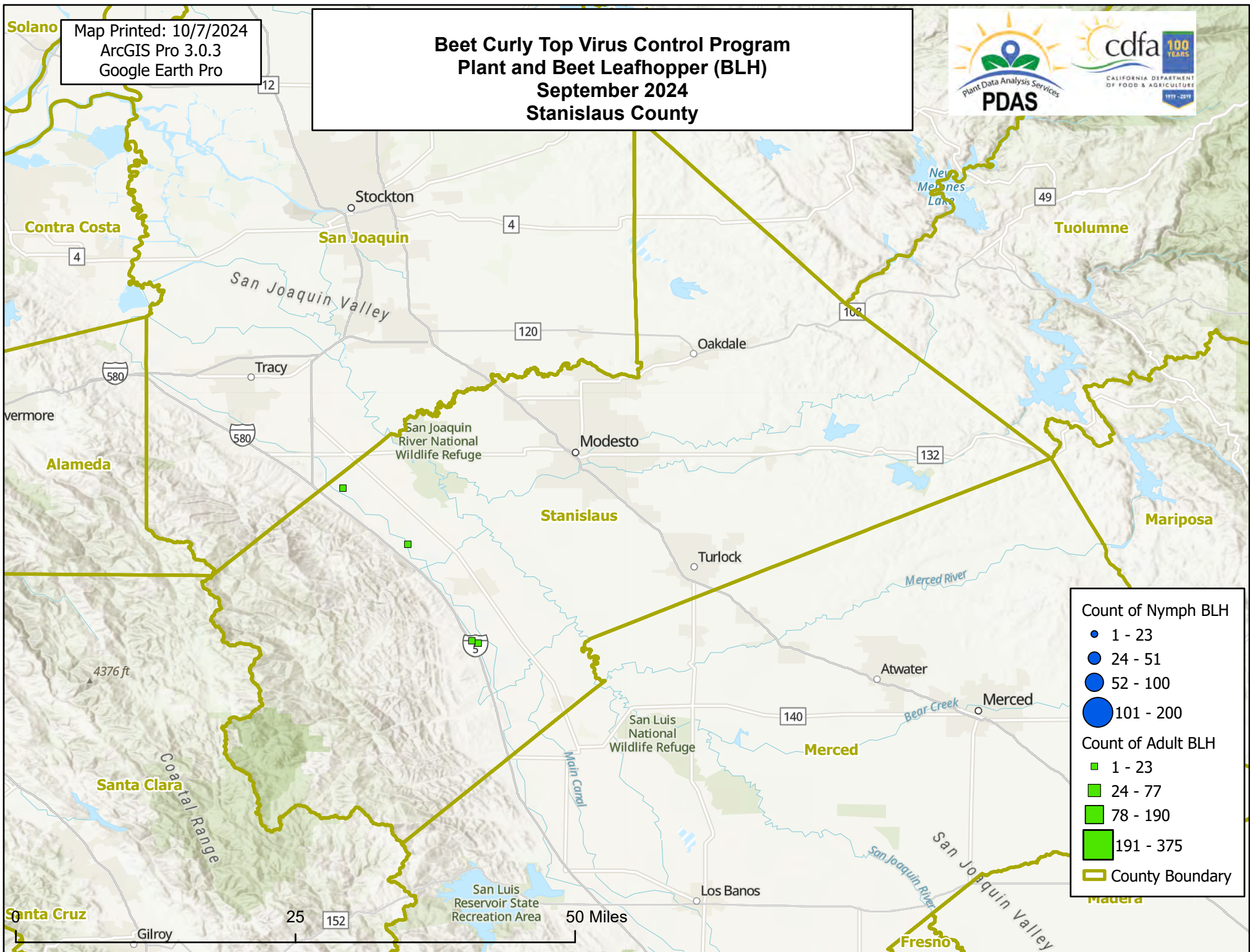


Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Sutter County



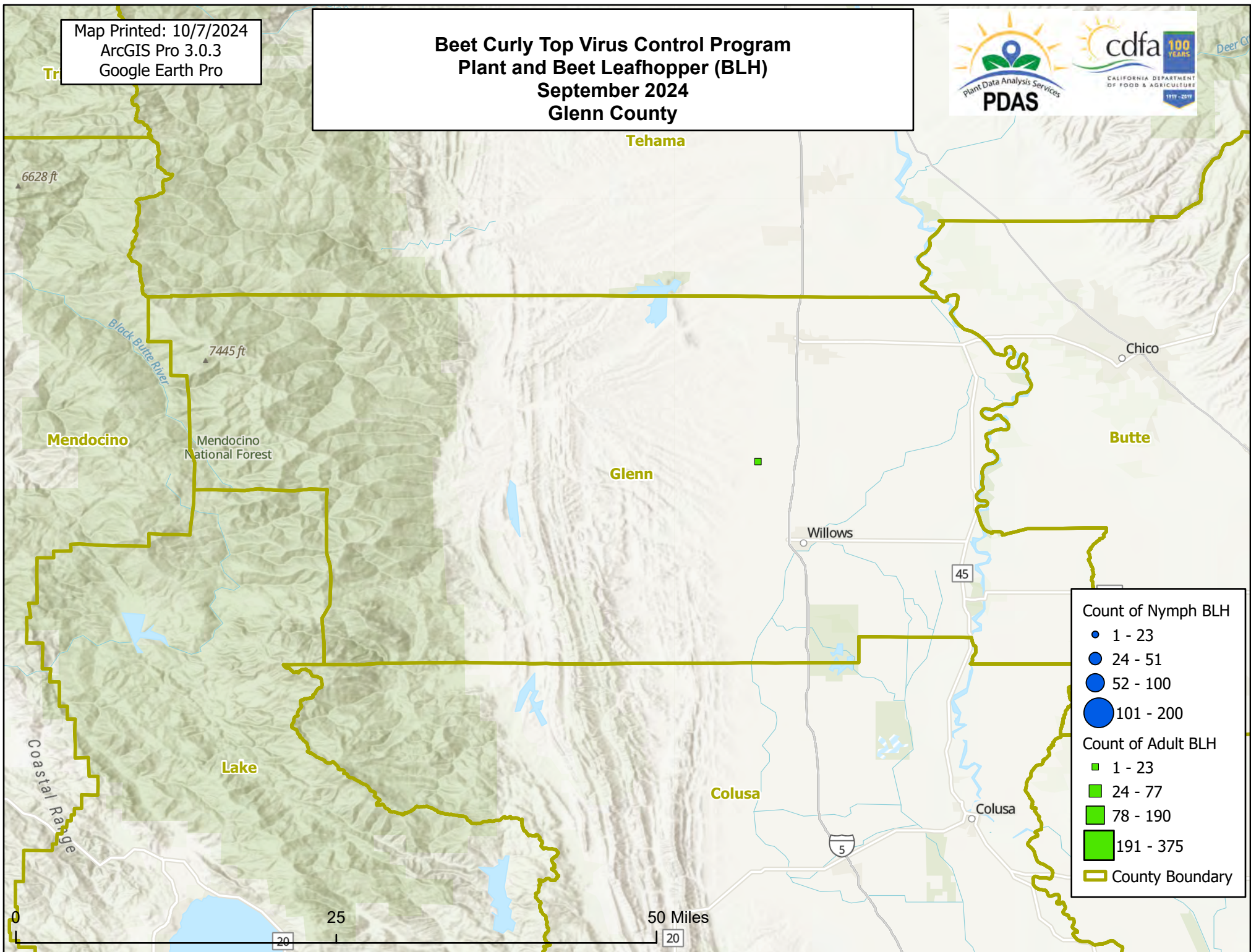






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ArcGIS Pro 3.0.3  
Google Earth Pro

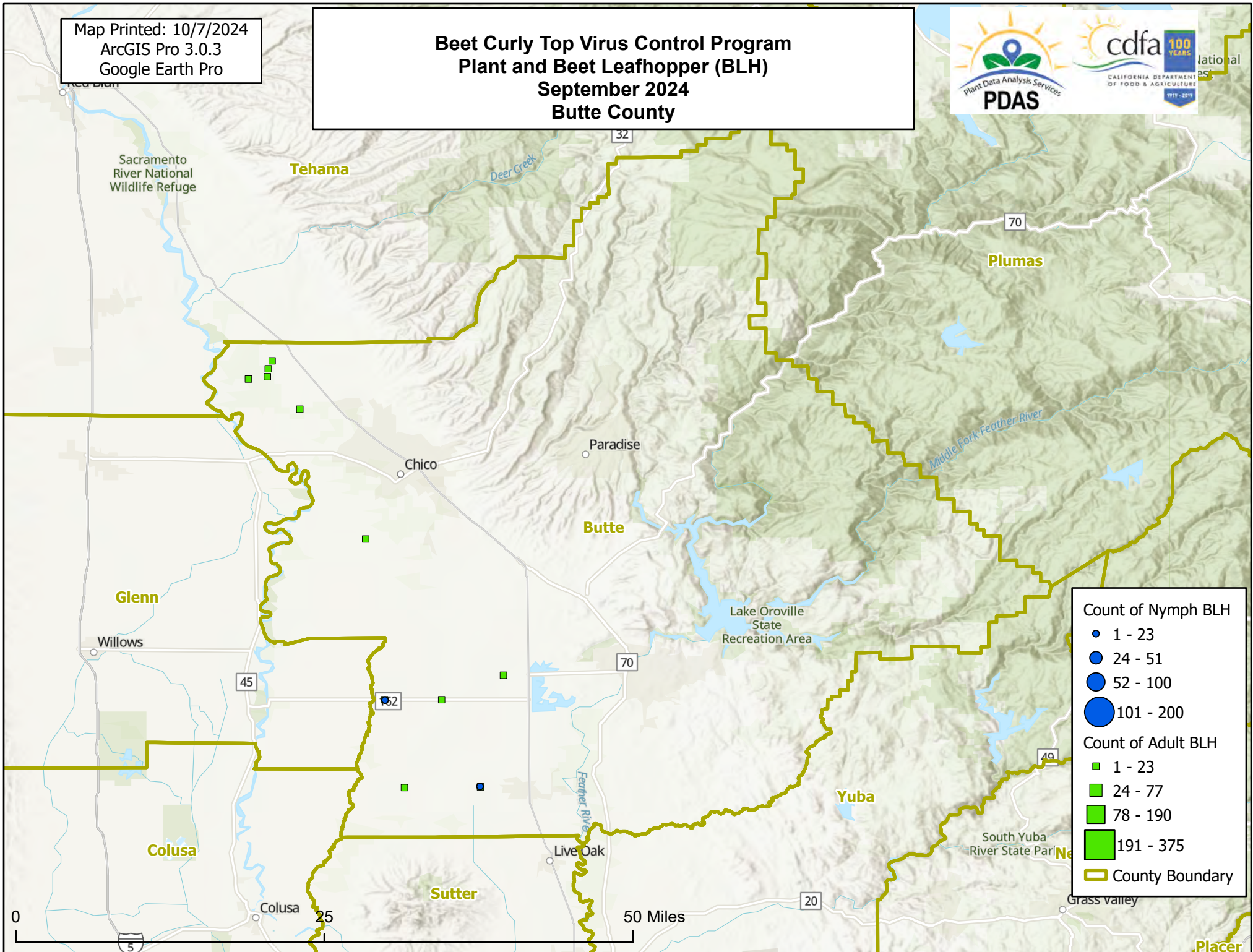
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Glenn County





Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

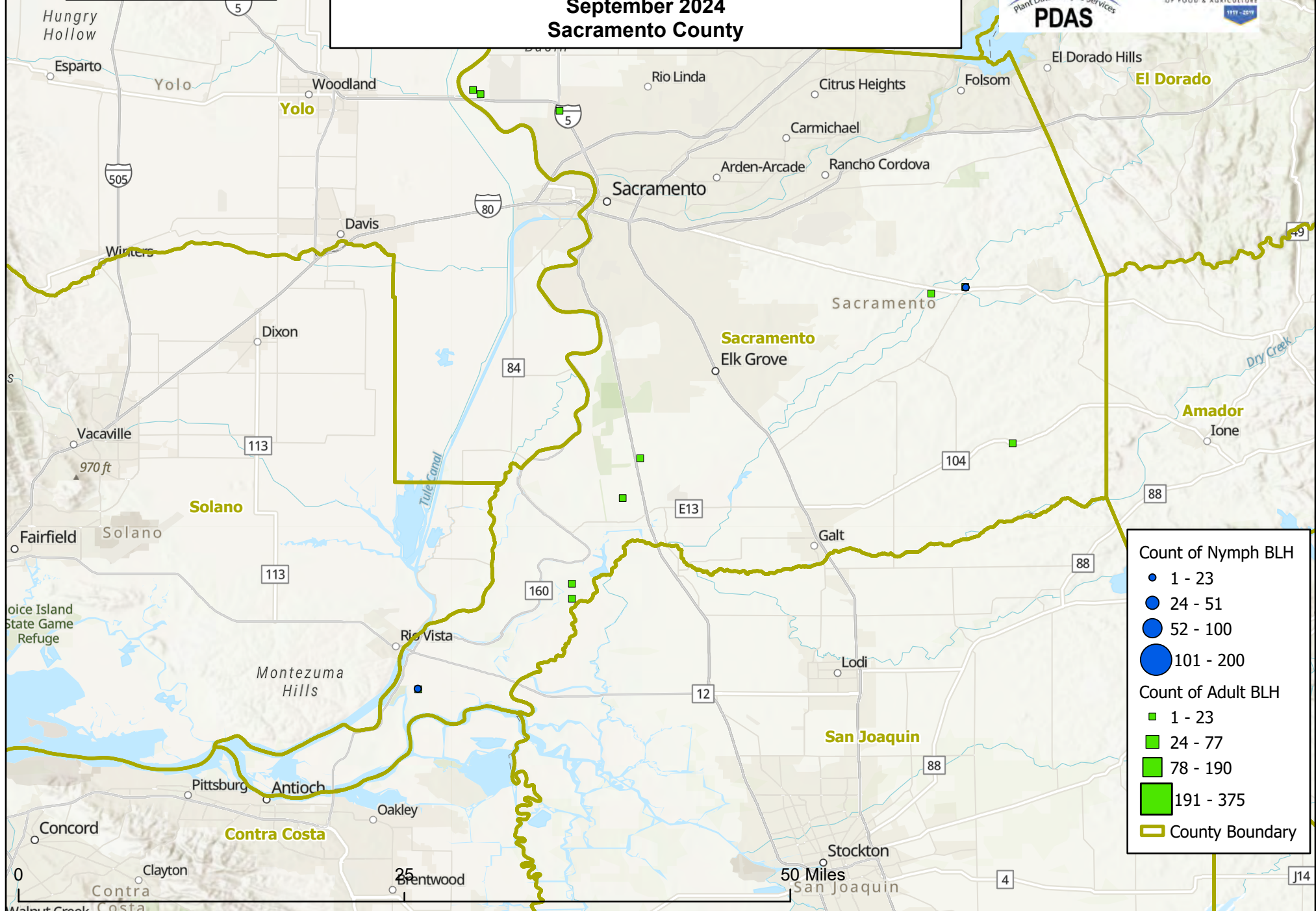
# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Butte County





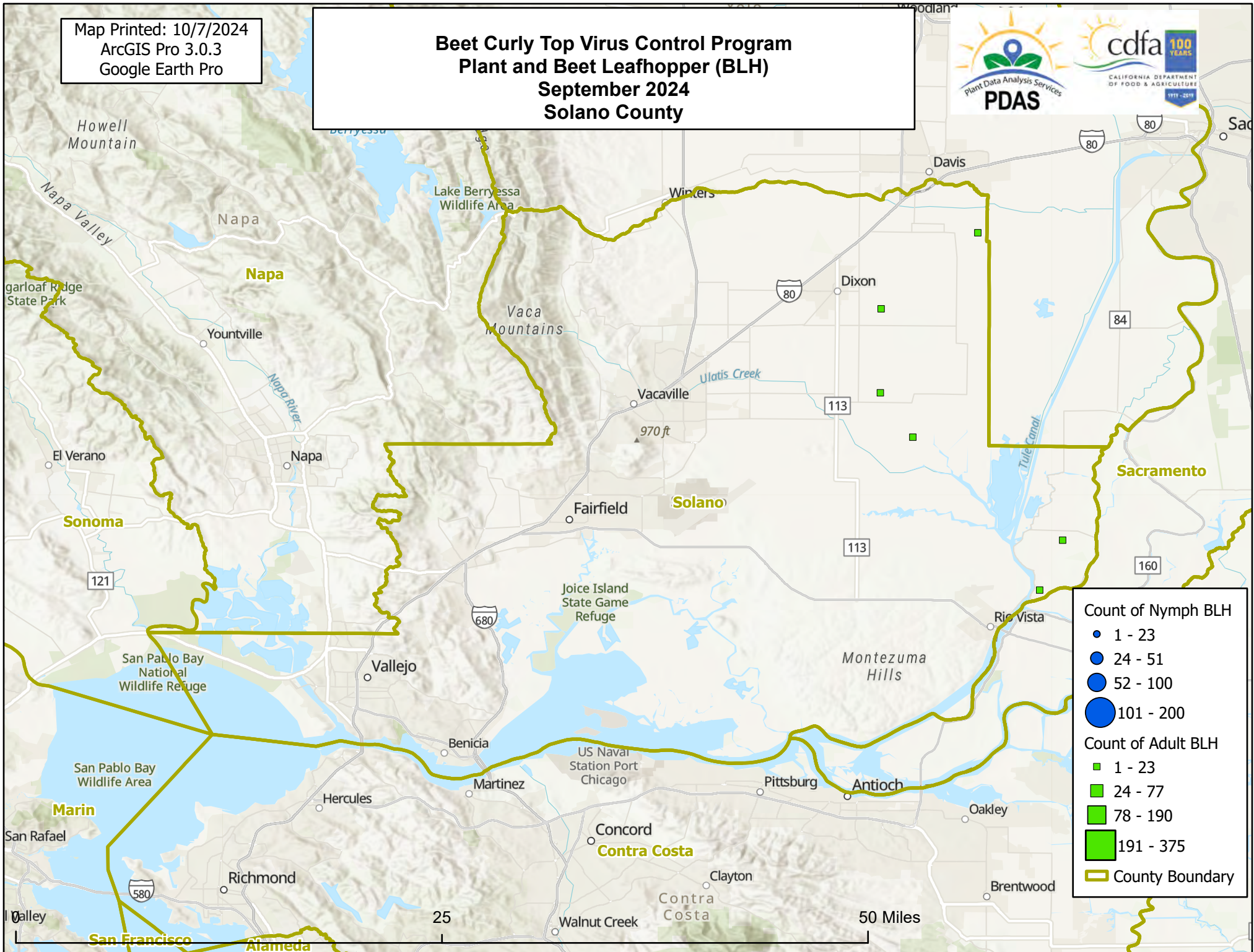
Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Sacramento County



Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Solano County





Map Printed: 10/7/2024  
ArcGIS Pro 3.0.3  
Google Earth Pro

# Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) September 2024 Yuba County

