

Beet Curly Top Virus Control Program

Monthly Report

California Department of Food and Agriculture
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August 2024

Program Update

- In August, 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 (0-2 BLH per sweep). BLH populations continue to remain low as the Program begins to prepare for Fall Survey.
- Mapping of fallow fields and roadside vegetation continues for future Fall assessment and control operations. Fallow field removal continues to increase in the Central Valley.
- Host plant vegetation continues to see Russian Thistle, Bassia, Mallow, and Bindweed with the highest percentages statewide.
- On August 15th, the Diagnostic Subcommittee of the Beet Curly Top Virus Control Board (BCTVCB) convened to evaluate current and new research proposals, as well as to discuss updates on existing projects.
- 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
- 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.

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	-

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, Bindweed, Salt Bush, Pig Weed, 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>
Poleline Rd	8/6/2024	0.4
Polvadero Gap	8/8/2024	0.3
Firebaugh	8/12/2024	0.4
Benito	8/13/2024	0.4
Tranquillity	8/19/2024	0.3
Wood Ranch	8/20/2024	0.3
Oro Loma	8/22/2024	0.2
Polvadero Gap	8/22/2024	0.2
Three Rocks	8/26/2024	0.4
Five Points	8/27/2024	0.3

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 Salt Bush, Pig Weed, 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>
Lokern	8/1/2024	0.4
Millux	8/5/2024	0.1
Tupman	8/6/2024	0.1
Lokern	8/7/2024	0.2
Buttonwillow	8/12/2024	0.5
Bowerbank	8/12/2024	0.7
Semitropic	8/13/2024	0.1
Buttonwillow	8/13/2024	0.4
Buttonwillow	8/14/2024	0.7
Lokern	8/14/2024	0.2
Spicer City	8/15/2024	0.4
Lost Hills Rd	8/20/2024	0.2
Millux	8/20/2024	0.3
Millux	8/21/2024	0.8
San Emidio	8/21/2024	0.1
San Emidio	8/22/2024	0.2
Millux	8/26/2024	0.5
Millux	8/27/2024	0.1
Mettler	8/27/2024	0.1
Spicer City	8/28/2024	0.3
Spicer City	8/29/2024	0.4
Lost Hills	8/29/2024	0.5

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>
Kettleman City	8/6/2024	0.2
Sunflower Valley	8/13/2024	0.2
Stratford	8/19/2024	0.3
Sand Ridge	8/20/2024	0.2
Sunflower Valley	8/21/2024	0.1
Kettleman City	8/27/2024	0.1
Dudley Ridge	8/29/2024	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>
La Vina	8/22/2024	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 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>
Hamburg Farms	8/6/2024	0.5
El Nido	8/7/2024	1.0
El Nido	8/20/2024	0.4
Los Banos	8/21/2024	0.5

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 0-1 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.

San Joaquin County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per 10 sweeps</u>
Lodi	8/12/2024	0.5
Tracy	8/13/2024	0.1
Tracy	8/14/2024	0.6
Garden Acres	8/15/2024	0.7

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.
- 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>
Graino	8/5/2024	0.1
Colusa	8/7/2024	0.2

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, and Purslane.
- 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>
Oat Valley	8/1/2024	0.5
Yolo	8/20/2024	0.6

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 Mustards.
- 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>
Wilson	8/26/2024	0.3
Robbins	8/28/2024	0.3
Lira	8/29/2024	0.3

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.
- 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	8/12/2024	0.4
Vernalis	8/13/2024	0.4
Monterey Park Tract	8/26/2024	0.6
Patterson	8/27/2024	0.5
Vernalis	8/28/2024	0.7
Newman	8/29/2024	0.4

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, Knotgrass 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>
Orland	8/12/2024	0.1
Norman	8/26/2024	0.5
Codora	8/26/2024	0.1
Bayliss	8/27/2024	0.1
Butte City	8/29/2024	2.4

Butte County

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

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.
- 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>
Mackenson	8/21/2024	0.8

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 0-2 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>
Elmira	8/20/2024	3.0
Mankas Corner	8/27/2024	0.2
Dozier	8/28/2024	0.3

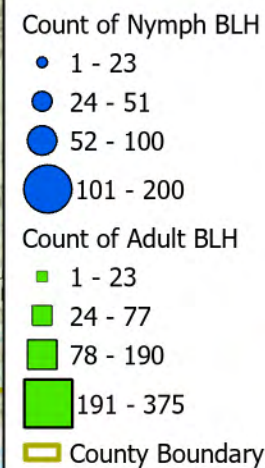
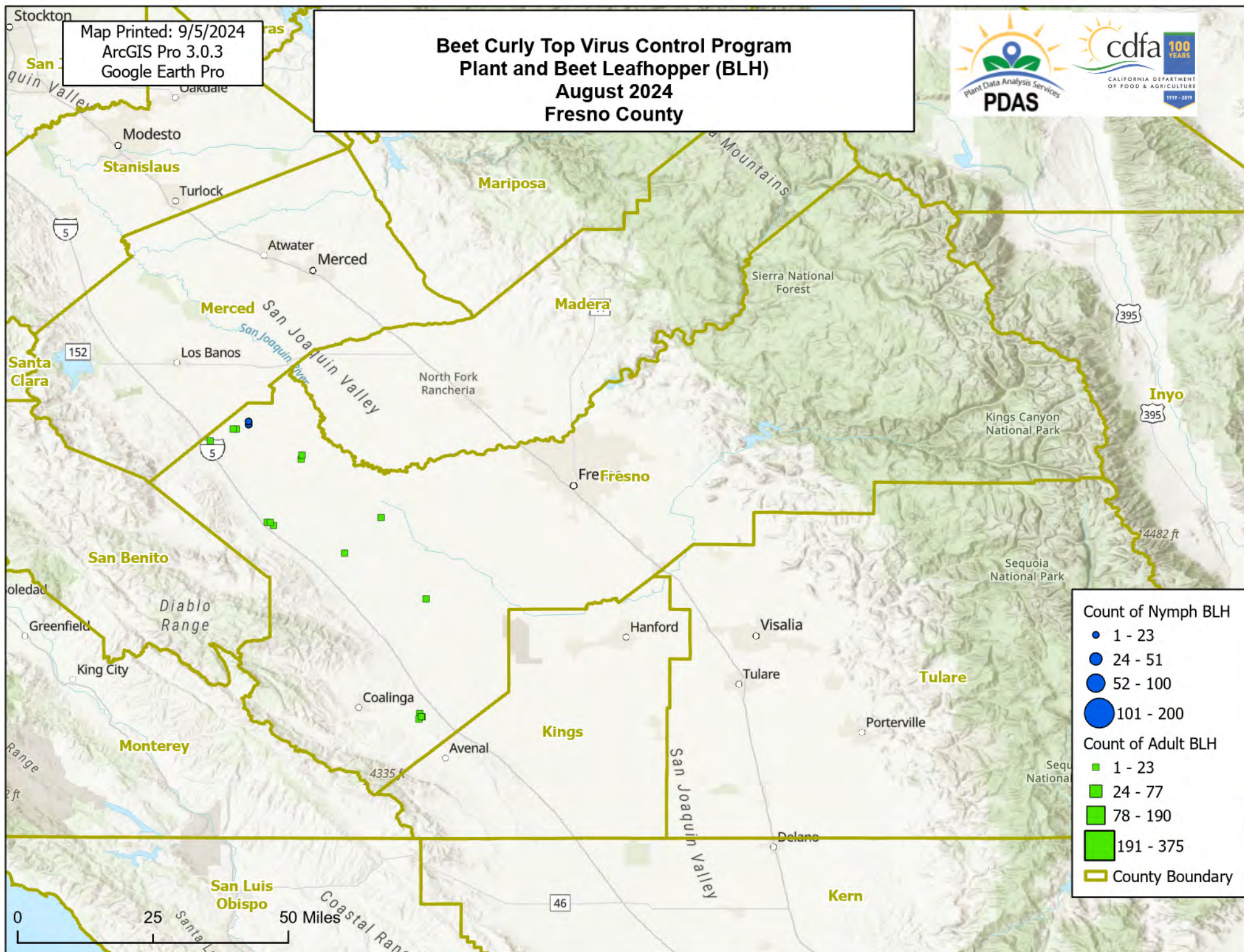
Tehama County

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

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www.cdfa.ca.gov/subscriptions/

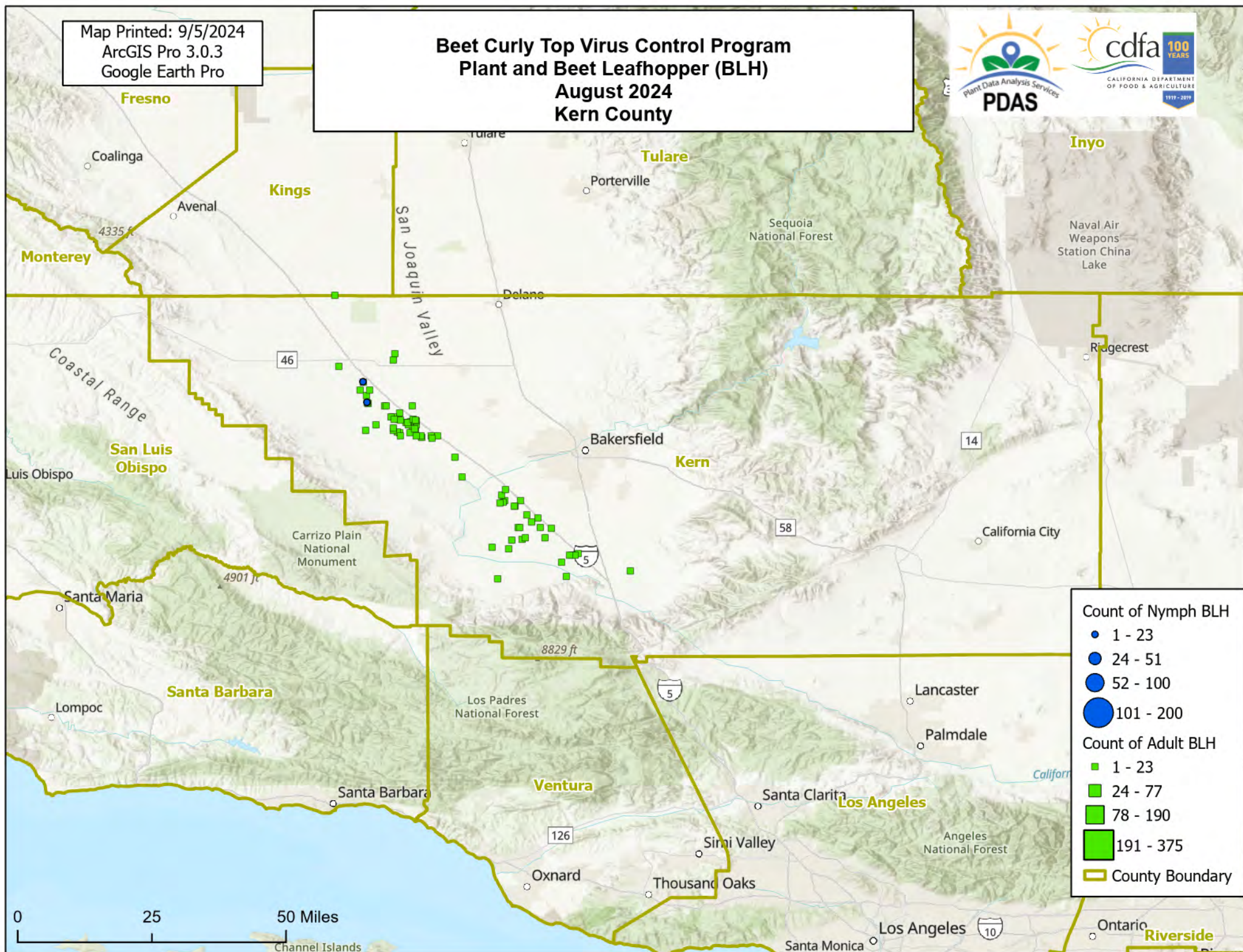
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Google Earth Pro

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



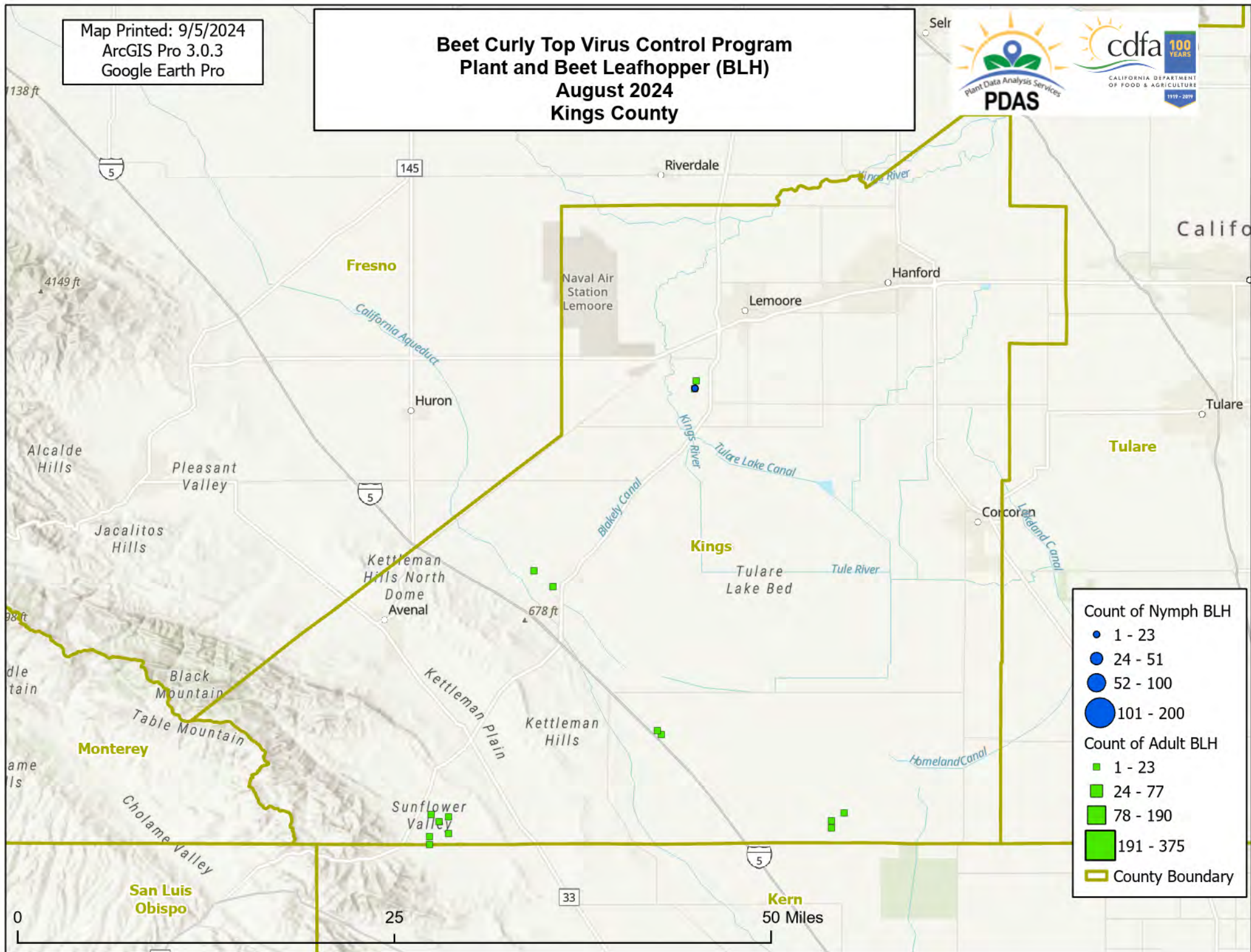
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) August 2024 Kern County



Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

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

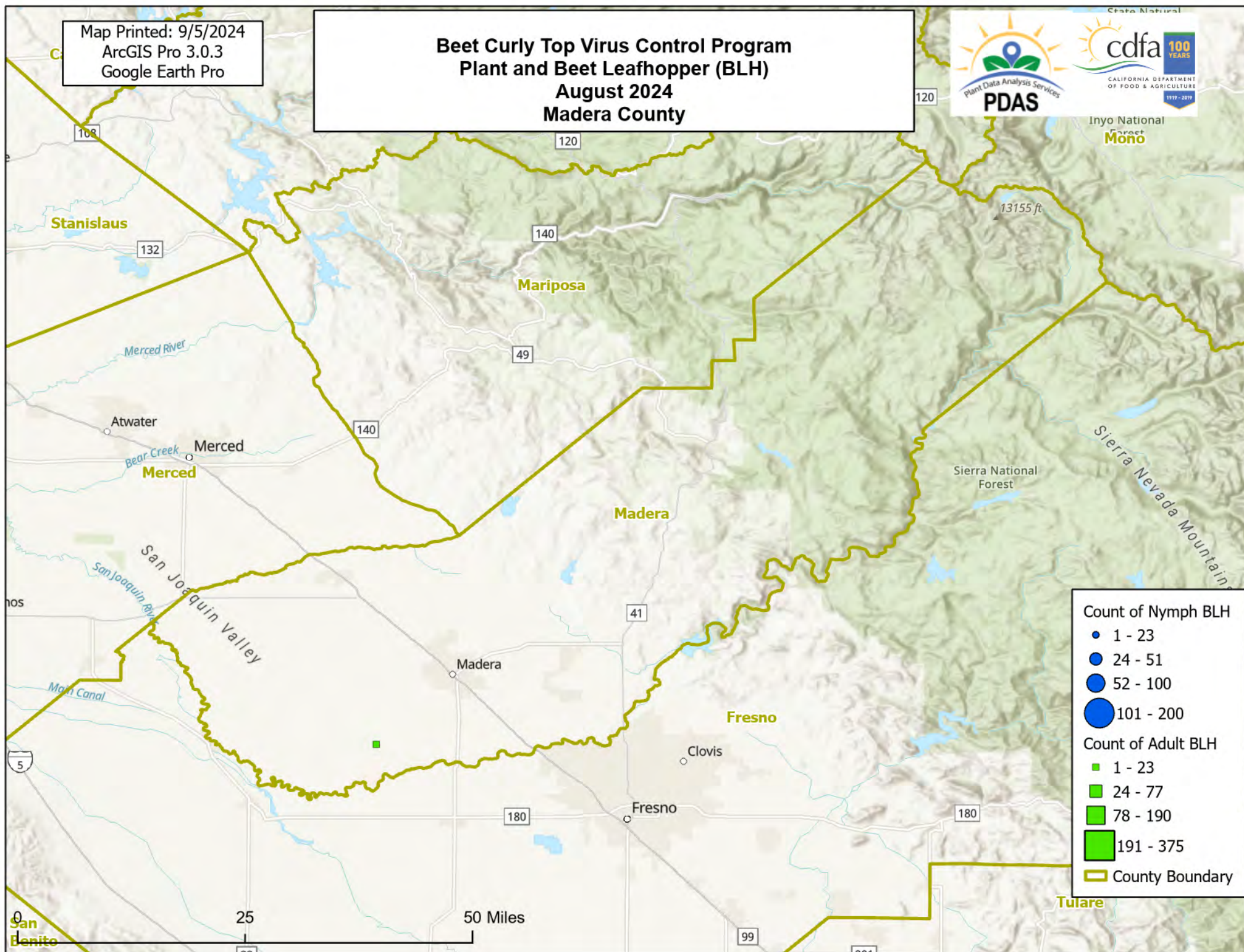
Count of Adult BLH

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

County Boundary

Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

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

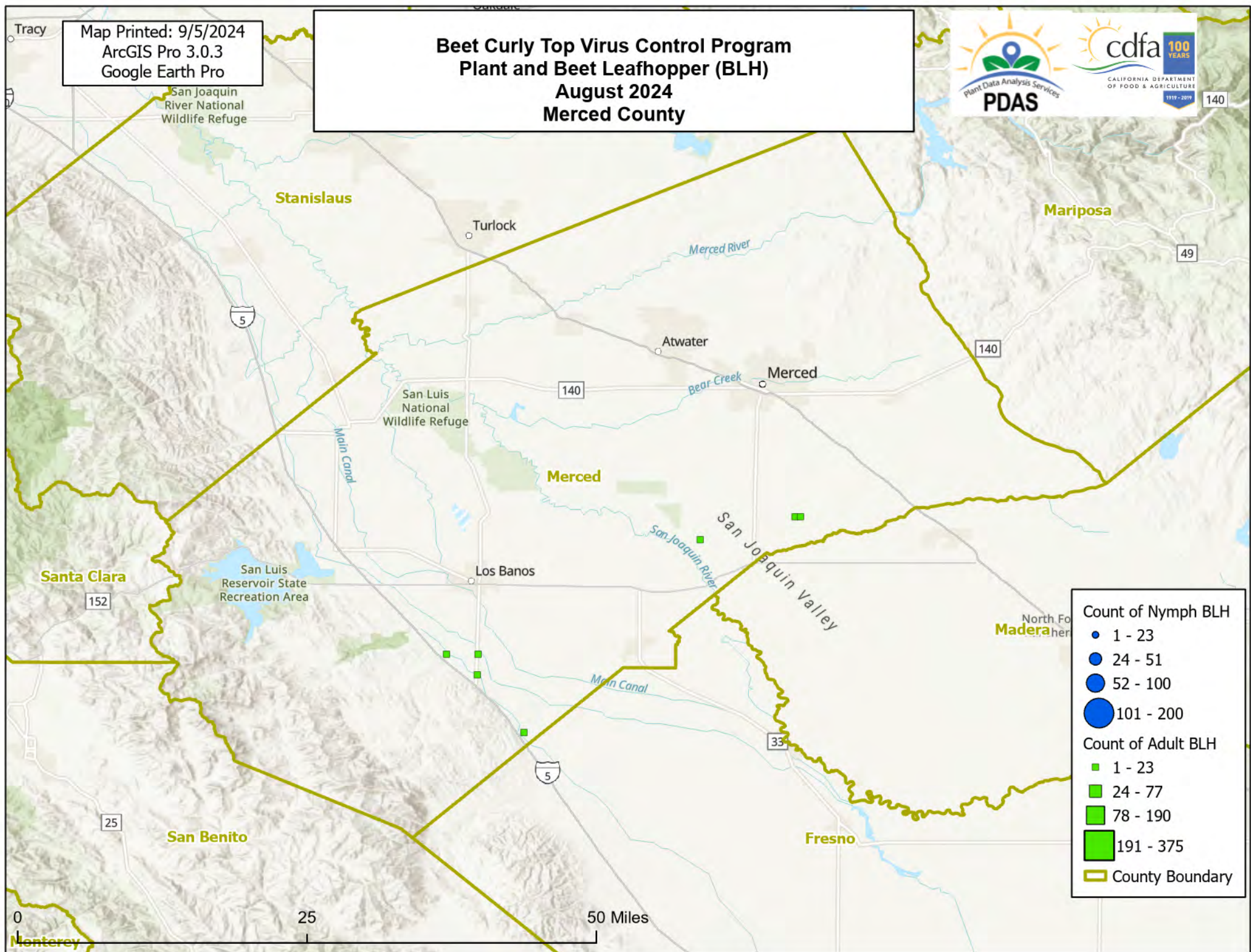
Count of Adult BLH

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

County Boundary

Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

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

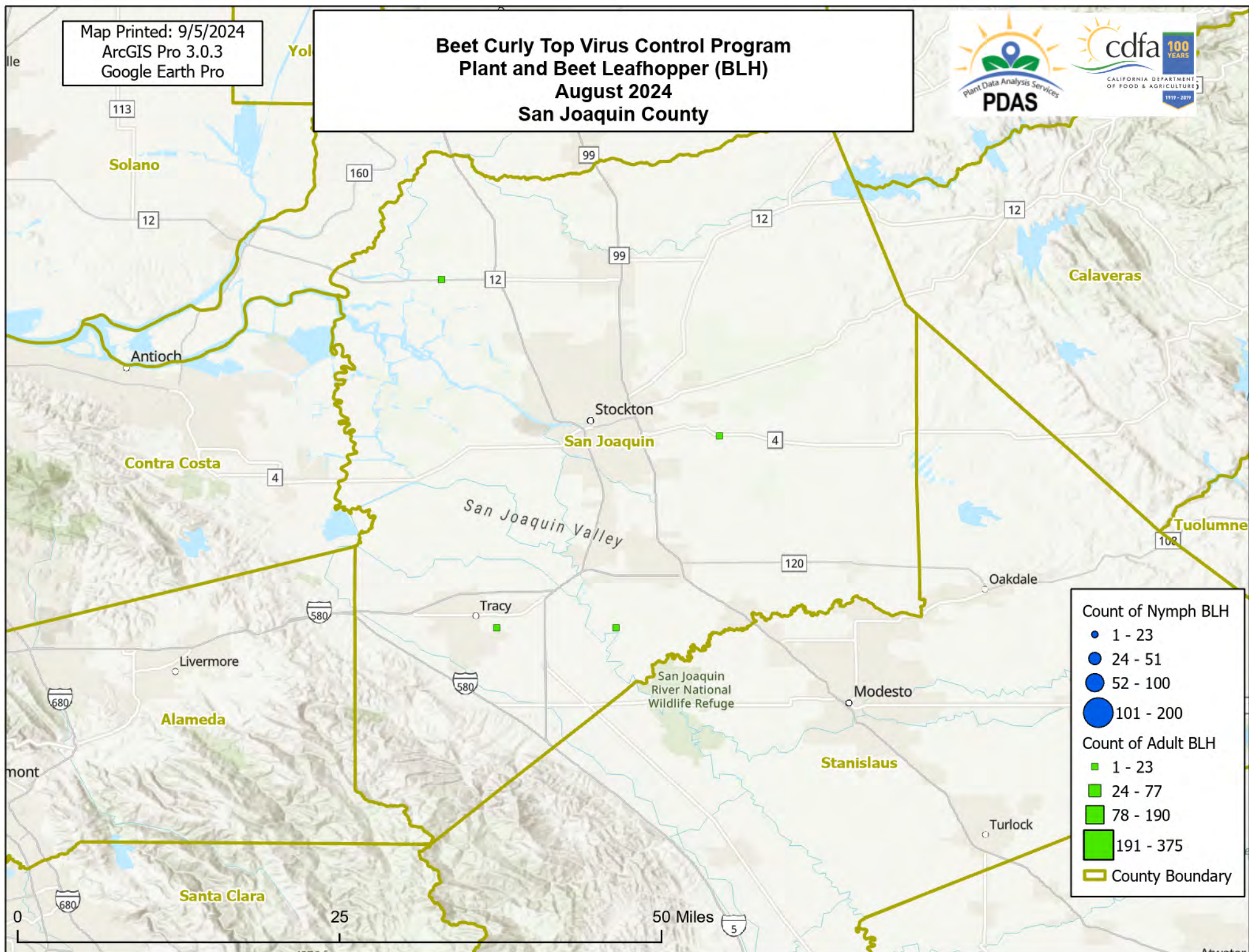
Count of Adult BLH

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

County Boundary

Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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

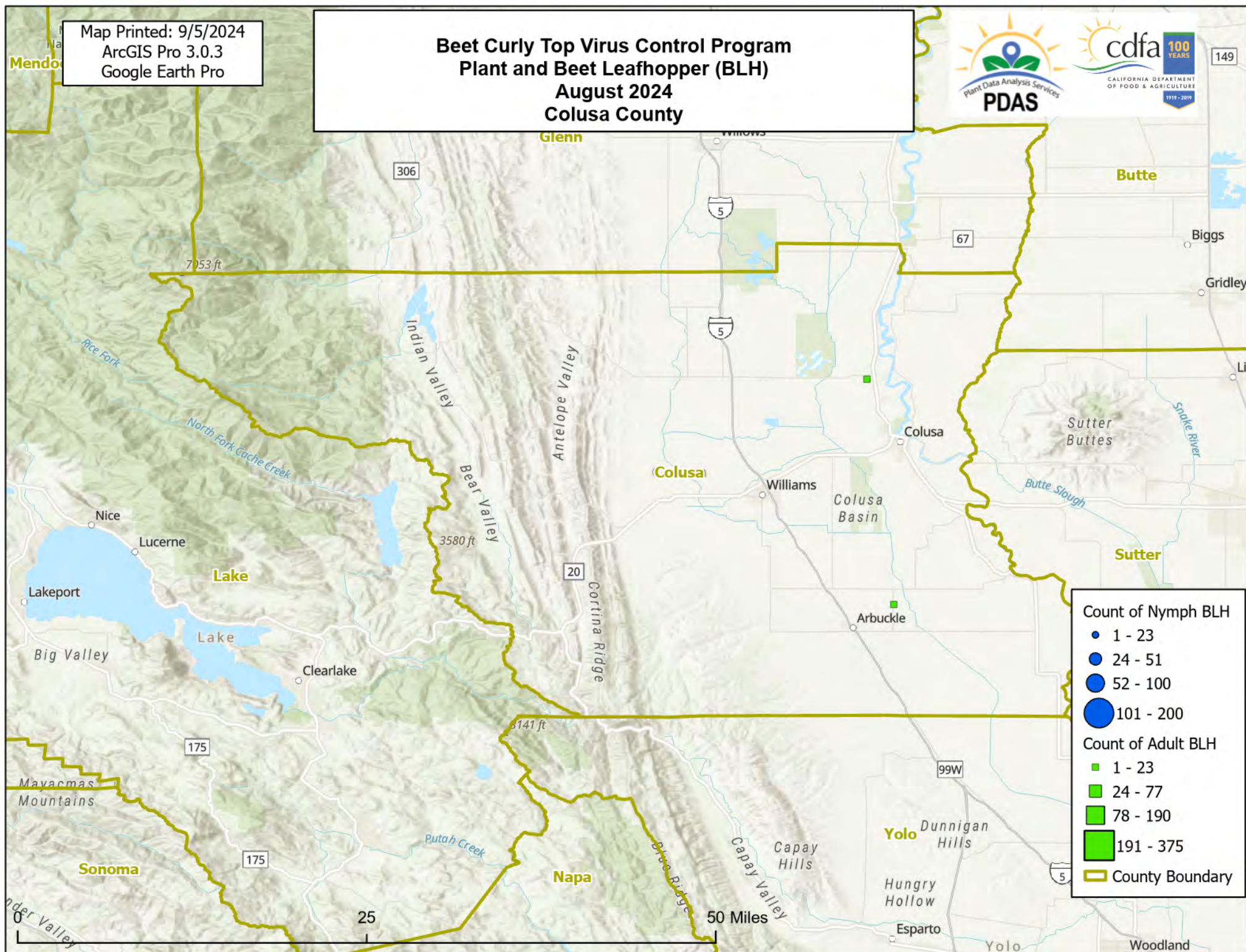


Map Printed: 9/5/2024
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Google Earth Pro

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



149



Count of Nymph BLH

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

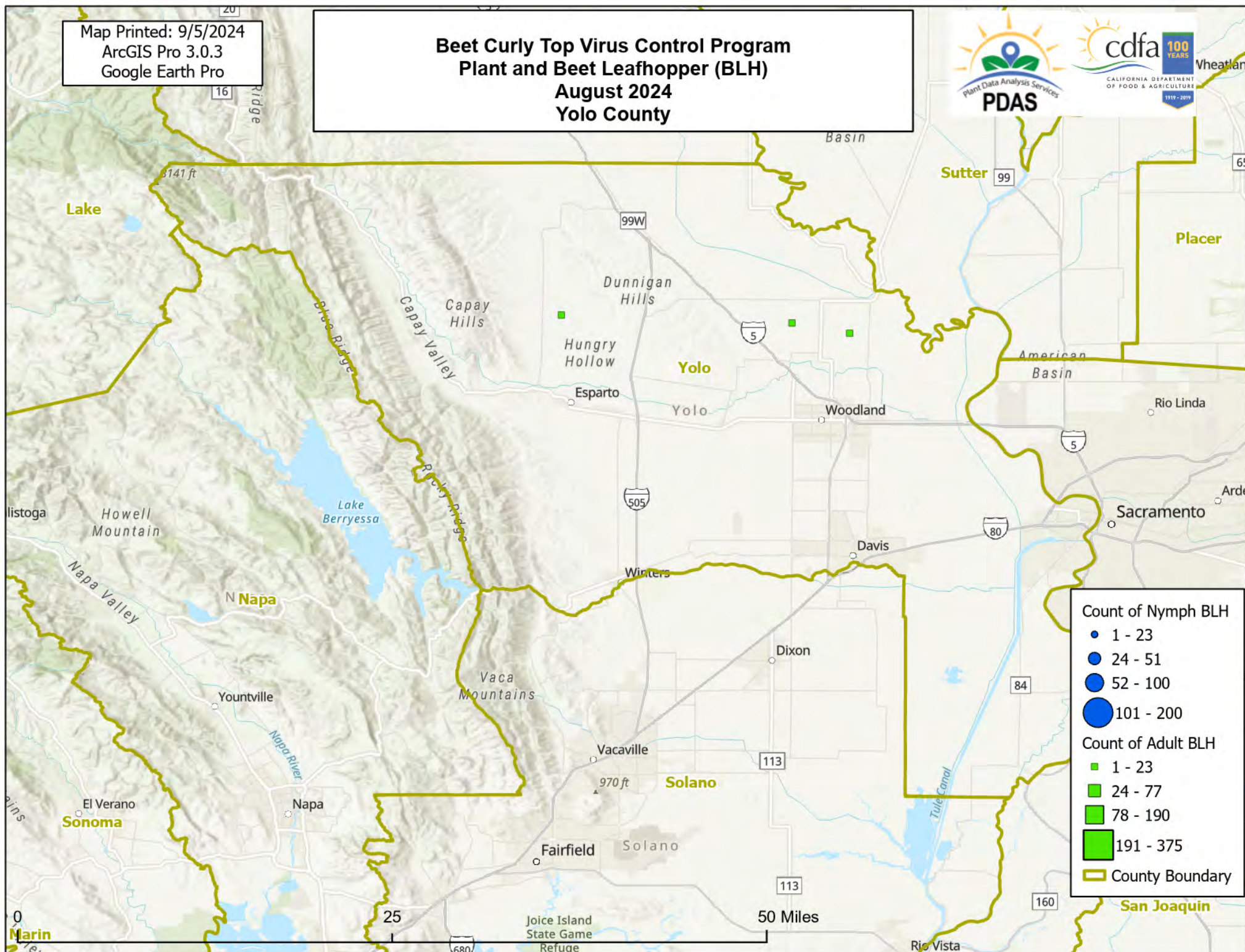
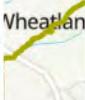
Count of Adult BLH

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

County Boundary

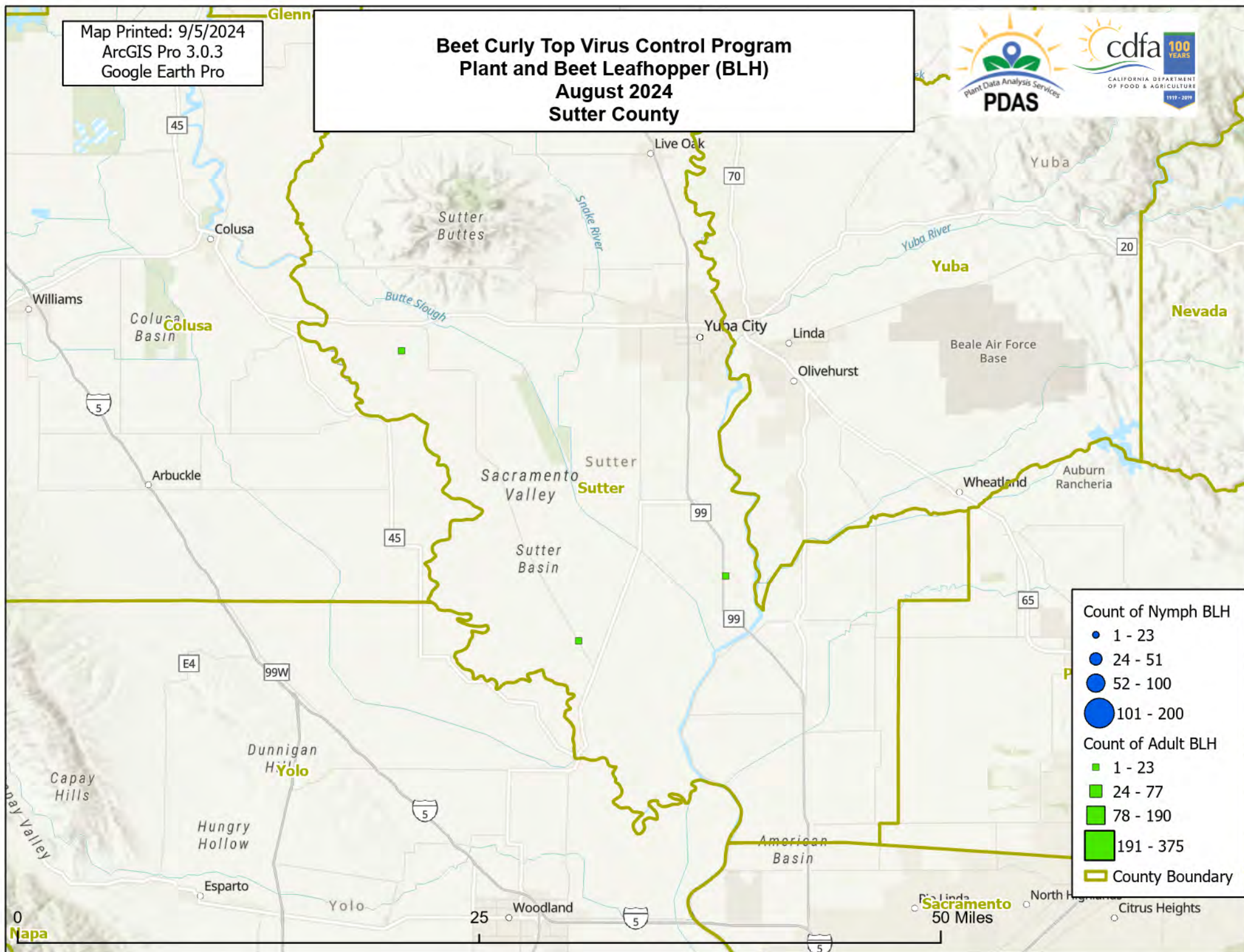
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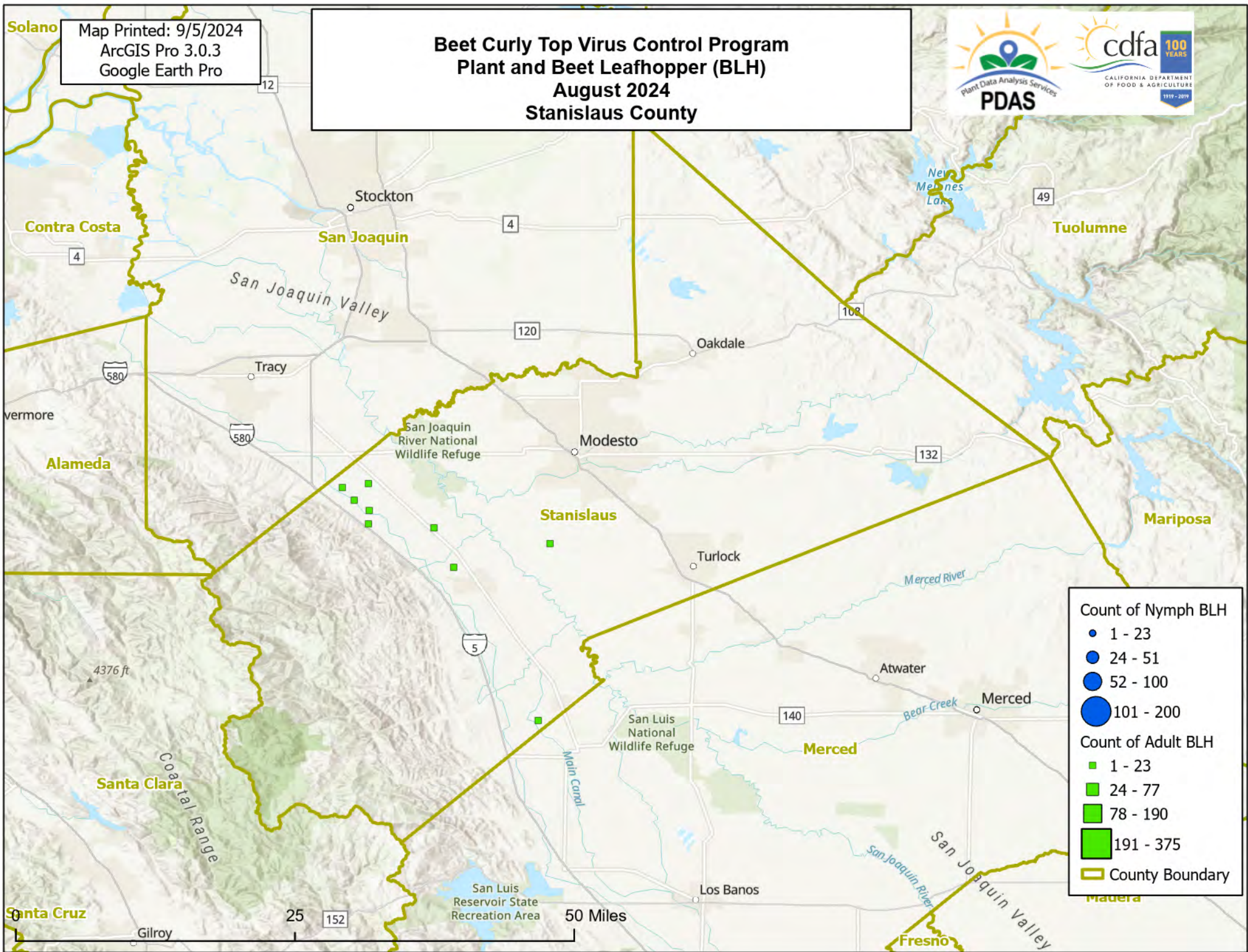
Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) August 2024 Yolo County



Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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





Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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



Deer C

Tehama

6628 ft

Black Butte River

7445 ft

Mendocino

Mendocino National Forest

Glenn

Butte

Chico

Willows

45

Coastal Range

Lake

Colusa

5

Colusa

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

25

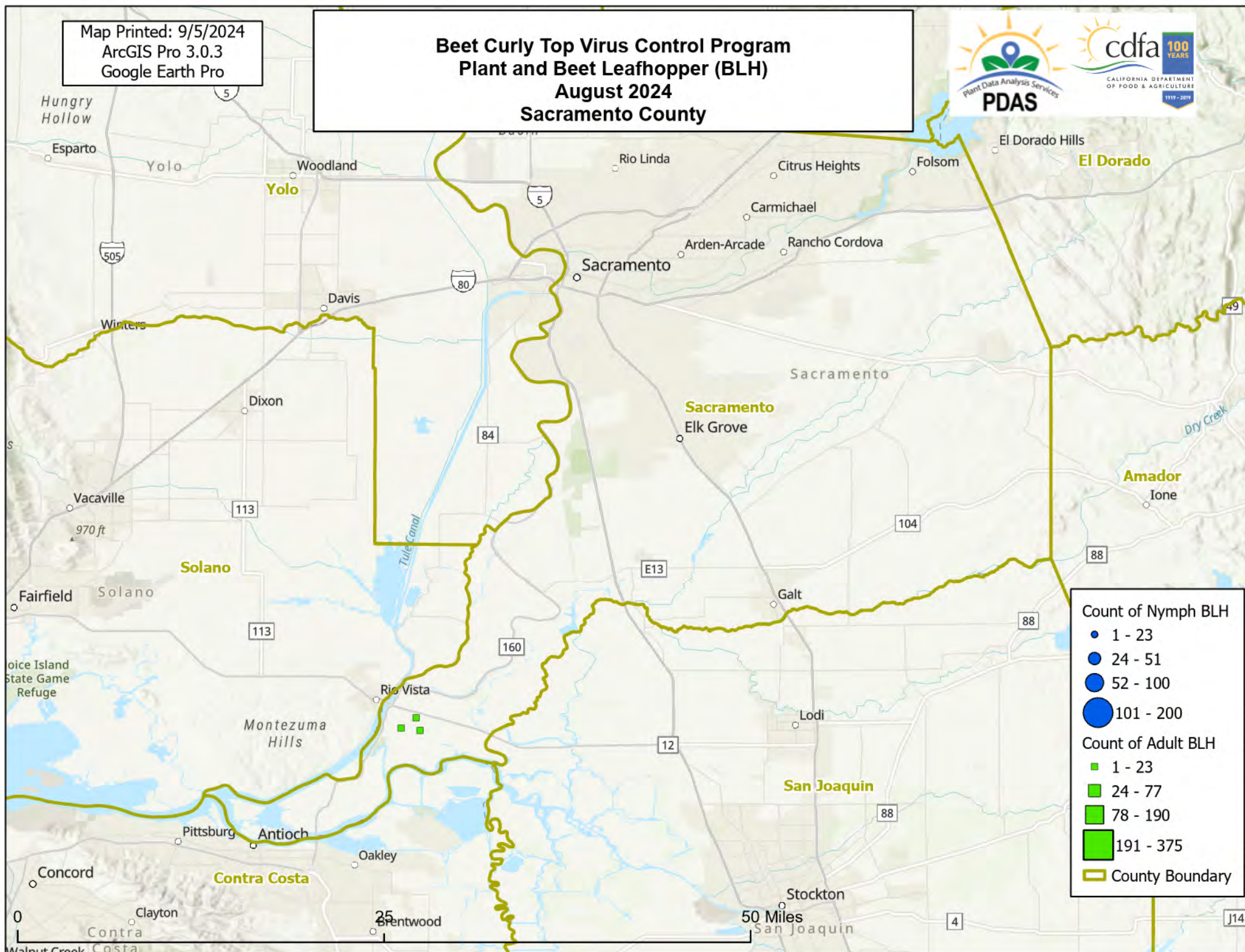
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20

20

Map Printed: 9/5/2024
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Google Earth Pro

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



Map Printed: 9/5/2024
ArcGIS Pro 3.0.3
Google Earth Pro

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

