

Beet Curly Top Virus Control Program

Monthly Report

California Department of Food and Agriculture
Plant Health and Pest Prevention Services
Integrated Pest Control Branch
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May 2025

Program Update

- In May, Beet Curly Top Virus Control Program (BCTVCP) personnel conducted beet 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, Imperial, Riverside, Monterey, and Tulare counties.
- BLH counts remained low in all survey areas statewide (0-4 BLH per sweep set). Fresno and Kings County BLH numbers have declined and there hasn't been much activity observed.
- The Sacramento Valley BLH counts have remained low (0-1 BLH per sweep set). Commodity surveys are not seeing much damage. Planting is still in progress.
- Commodity surveys have begun statewide. Fresno and Kings County have seen 0-3% damage with most of the damage in isolated fields adjacent to orchards or recently disced fields. No harboring BLH were found near the damaged fields. In Kern County commodities survey visual indications at 0-4% damage. The more damaged fields are closer to the eastern mountain ranges.
- Mapping of roadsides and fallow fields will be monitored throughout summer.
- On May 14, the Beet Curly Top Virus Control Board (BCTVCB) held a Special Board Meeting to review the Program budget and provide updates on current operations.
- 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.

2025 Beet Curly Top Virus 3-Year Average BLH Counts

May County Average BLH Counts				
<u>County</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Fresno	10.5	1.4	2.8	1.2
Kings	11.1	2.4	3.3	1.7
Kern	2.4	0.6	0.4	1.6
Madera	-	0	0.07	0.3
Merced	-	0.1	0.2	0.5
Butte	-	0.7	0.3	-
Colusa	0.05	0.03	0.2	1.7
Glenn	0	0.3	0	1.1
Sacramento	-	0.5	0	0
San Joaquin	-	0	0.1	0.8
Stanislaus	-	0.2	-	0.3
Sutter	-	0.5	0.3	0.4
Solano	-	0.5	0.04	0.4
Yolo	-	0.06	0	0.5
Tulare	-	-	-	-
Imperial	0.7	0.8	15.9	0.5
Monterey	0.9	-	0.01	0.08
Riverside	-	0.09	2.9	0.2

2025 Beet Curly Top Virus Sample Results

January 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	-	1	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	2	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	1	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	5	4	-	-	-	3	7	3	4	4	3	2	-	7

February 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	6	3	1	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	7	2	5	-	-	-	-	-	-	-	-	-	-	-
														-
Positive Host Plant	-	-	-	-	-	-	1	-	-	-	-	-	-	-
Negative Host Plant	72	21	27	12	10	10	6	4	6	2	10	2	9	7

[illegible]

April 2025- BCTV Sample Results by County														
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin
Positive BLH	7	8	8	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	2	1	-	-	-	-	-	-	-	-	-	-	1	-
Positive Host Plant	3	3	16	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	27	14	81	2	-	7	6	6	6	5	6	4	7	8
Positive Tomato Plants	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Tomato Plants	-	-	-	-	-	-	2	3	5	-	2	-	-	-

May 2025- BCTV Sample Results by County																	
	Fresno	Kings	Kern	Merced	Madera	Glenn	Yolo	Colusa	Sutter	Butte	Solano	Sacramento	Stanislaus	San Joaquin	Imperial	Monterey	Riverside
Positive BLH	9	-	6	1	-	-	-	-	-	-	-	-	-	-	1	1	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	2
Positive Host Plant	5	-	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	9	-	24	1	1	2	3	2	5	2	4	-	3	6	5	2	4
Positive Tomato Plants	-	-	34	-	-	-	2	-	-	-	-	-	-	1	-	-	-
Negative Tomato Plants	14	3	23	-	-	3	14	7	14	-	6	-	8	2	1	-	-

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 plant vegetation surveyed included Mallow, Bassia, Salt Bush, Russian Thistle, London Rocket, Mustards, Pig Weed, and Goosefoot.
- 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 sweep set</u>
Coalinga	5/1/2025	5.9
Firebaugh	5/1/2025	0.3
Little Panoche Rd	5/5/2025	0.3
Firebaugh	5/5/2025	0.2
Firebaugh	5/6/2025	0.4
Mendota	5/6/2025	0.2
Mendota	5/7/2025	1.1
Firebaugh	5/12/2025	1.5
Firebaugh	5/19/2025	1.8
Mendota	5/20/2025	0.2
Firebaugh	5/20/2025	0.6
Levis	5/21/2025	2.2
Five Points	5/27/2025	0.1
Little Panoche Rd	5/27/2025	0.3
Levis	5/28/2025	0.2
Firebaugh	5/28/2025	3.5

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 0-2 BLH per sweep set.
- Host plant vegetation surveyed included Russian Thistle, Bassia, Mallow, Pig Weed, Lamb's Quarter, Goosefoot, Mustards, and London Rocket.
- 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 sweep set</u>
Buttonwillow	5/1/2025	2.7
Bowerbank	5/1/2025	0.9
San Emidio	5/1/2025	2.8
Bowerbank	5/5/2025	2.5
Spicer City	5/5/2025	0.2
Spicer City	5/6/2025	3.0
Lost Hills	5/6/2025	0.1
Lost Hills	5/7/2025	1.6
Lost Hills	5/8/2025	1.7

Millux	5/8/2025	1.4
San Emidio	5/8/2025	1.9
Bowerbank	5/13/2025	3.2
San Emidio	5/15/2025	1.7
Spicer City	5/19/2025	0.9
Lost Hills	5/20/2025	0.5
Edison	5/27/2025	2.8
Lamont	5/28/2025	2.0
Arvin	5/28/2025	1.4
Arvin	5/29/2025	0.3
Wheeler Ridge	5/29/2025	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 low throughout survey areas, averaging 0-2 BLH per sweep set.
- Host plant vegetation surveyed included Purslane, Bassia, and Mallow.
- A map identifying the location of the BLH counts is provided at the end of the report.

Kings County BLH Survey		
Location	Date	Average # of BLH per sweep set
Kettleman City	5/1/2025	0.6
Sand Ridge	5/5/2025	2.5
Sand Ridge	5/6/2025	1.6

Madera 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, Russian Thistle, Mustards, Lamb's Quarter, and London Rocket.
- A map identifying the location of the 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 sweep set</u>
Ave 7	5/6/2025	0.2
Ave 7	5/8/2025	0.7
Ave 6	5/8/2025	0.2
Dairyland	5/8/2025	0.3

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, Mustards, Russian Thistle, Lamb's Quarter, and Goosefoot.
- 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 sweep set</u>
S Pole Line Rd	5/6/2025	0.7

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 Russian Thistle, Bindweed, and Mallow.
- 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 sweep set</u>
Tracy	5/8/2025	2.3
Stockton	5/8/2025	0.2
Stockton	5/21/2025	0.6
Tracy	5/22/2025	0.6

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 0-3 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 sweep set</u>
Arbuckle	5/15/2025	1.6
Harrington	5/15/2025	3.4

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.
- 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 sweep set</u>
Woodland	5/7/2025	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, Filaree, Russian Thistle, 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 sweep set</u>
Robbins	5/12/2025	0.2
Robbins	5/14/2025	0.2
Tisdale	5/14/2025	1.4
Hinsdale	5/15/2025	1.8
Robbins	5/29/2025	0.6

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 Mustards, Russian Thistle, Filaree, Bassia, Lamb's Quarter, and Mallow.
- 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 sweep set</u>
Timba	5/1/2025	0.1
Patterson	5/1/2025	0.3
Grayson	5/1/2025	0.1
Westley	5/1/2025	0.3
Patterson	5/14/2025	0.2
Newman	5/28/2025	0.4
Timba	5/28/2025	1.1
Crows Landing	5/28/2025	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 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 sweep set</u>
Norman	5/28/2025	1.4
Willows	5/28/2025	0.8

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.
- No BLH were observed during survey in Sacramento County.
- Host vegetation surveyed included Mustards and Filaree.

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 Filaree and Mallow.
- 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 sweep set</u>
Five Points	5/1/2025	0.3
Dixon	5/1/2025	0.2
Dixon	5/22/2025	1.4

Imperial 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 Salt Bush, Goosefoot, Salt Heliotrope, Russian Thistle, London Rocket, and Mallow.
- A map identifying BLH counts is provided at the end of the report.

Imperial County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Estelle	5/20/2025	2.9
Calipatria	5/20/2025	0.3
Westmorland	5/20/2025	0.3
Calipatria	5/21/2025	0.3

Riverside 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 Pig Weed, Russian Thistle, Goosefoot, Salt Bush, and Mallow.
- A map identifying BLH counts is provided at the end of the report.

Riverside County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Blythe	5/19/2025	0.2
Ripley	5/19/2025	0.1
Blythe	5/22/2025	0.4
Ripley	5/22/2025	0.2

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

Monterey County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Greenfield	5/20/2025	0.7
Chualar	5/21/2025	0.2

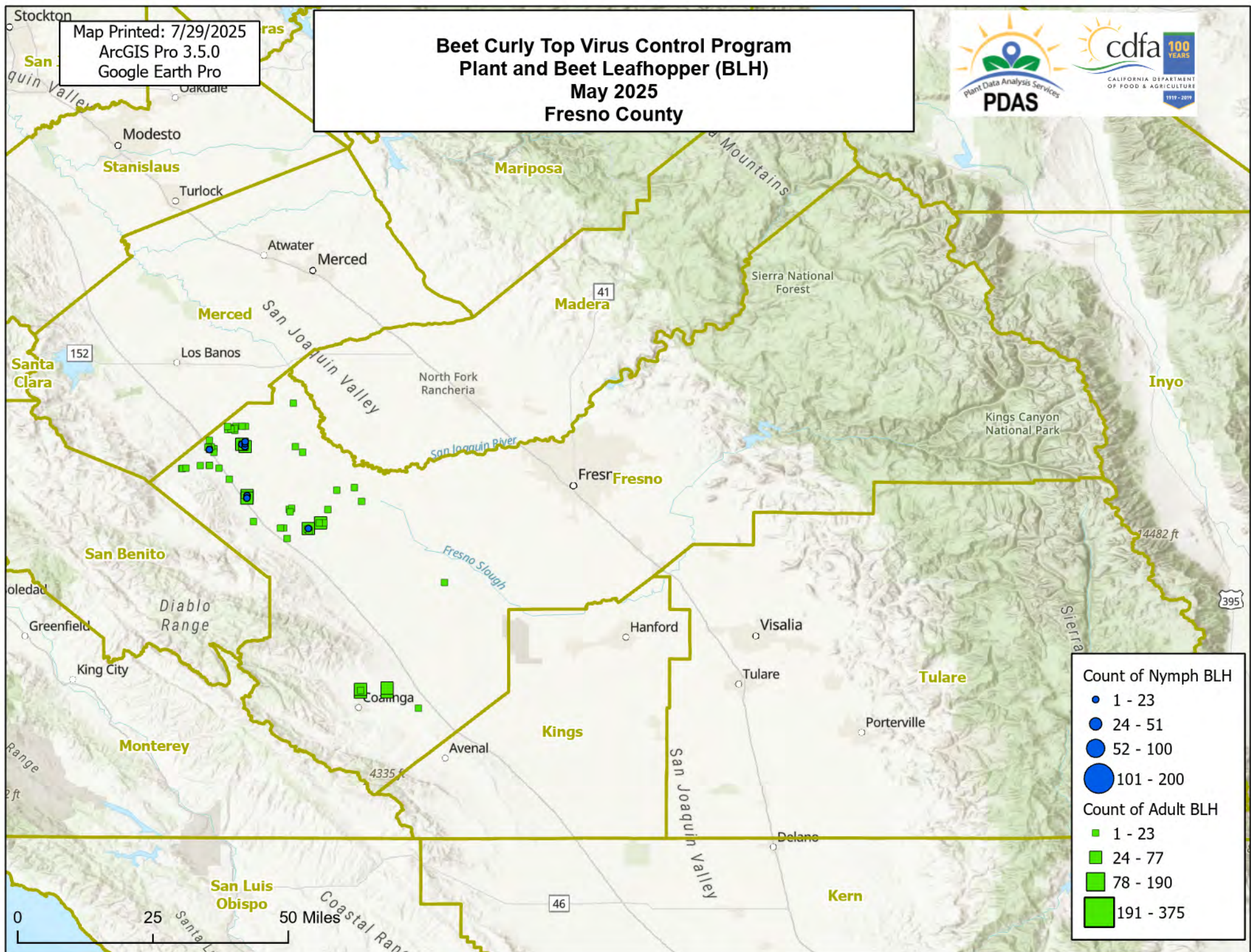
Tulare County

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

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www.cdfa.ca.gov/subscriptions/

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ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Fresno County



Count of Nymph BLH

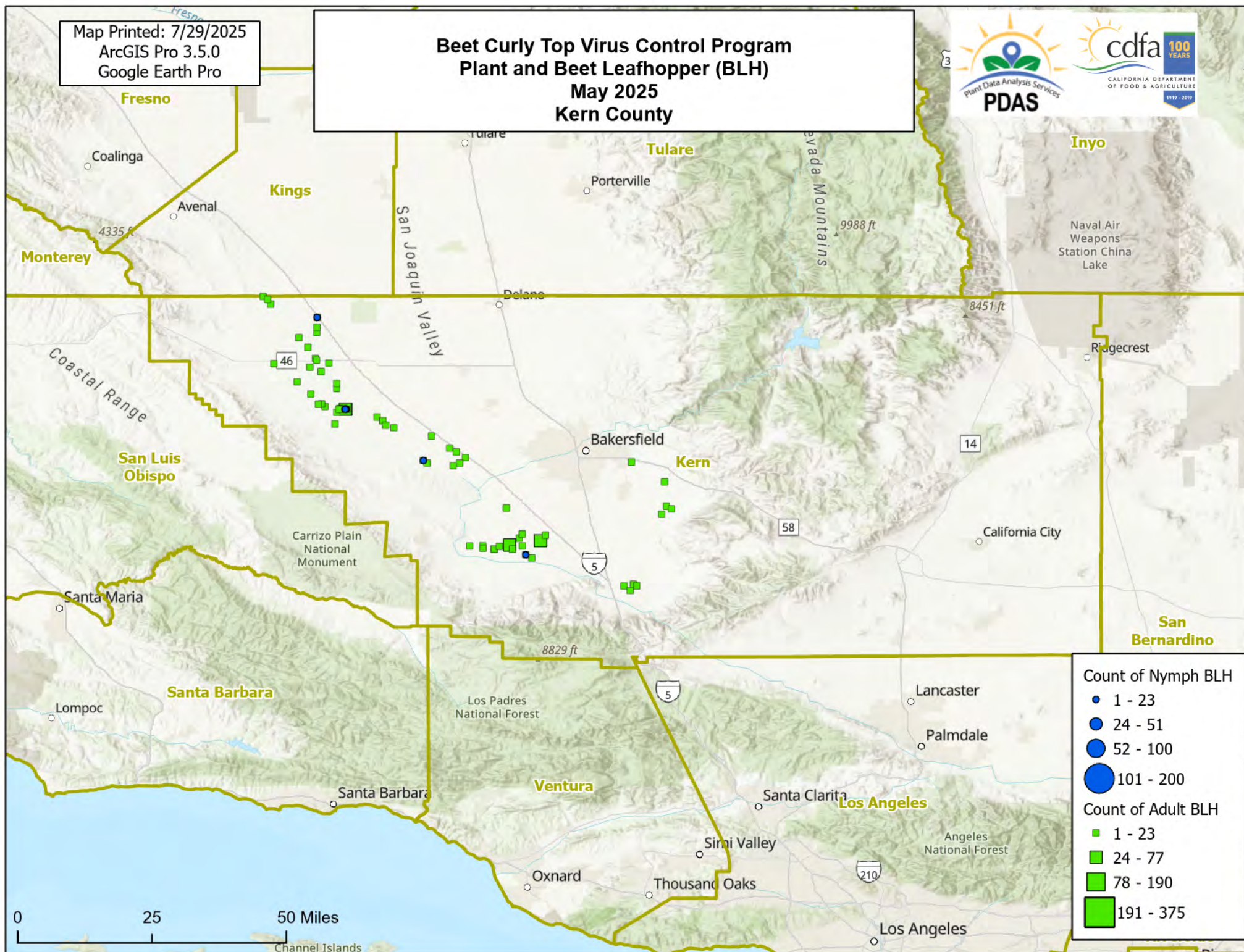
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

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Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Kern County



Count of Nymph BLH

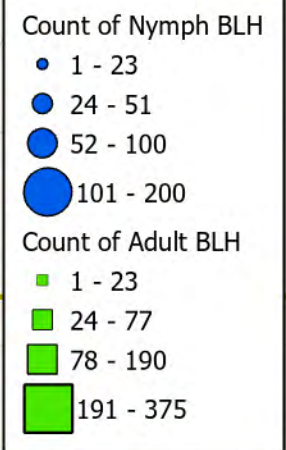
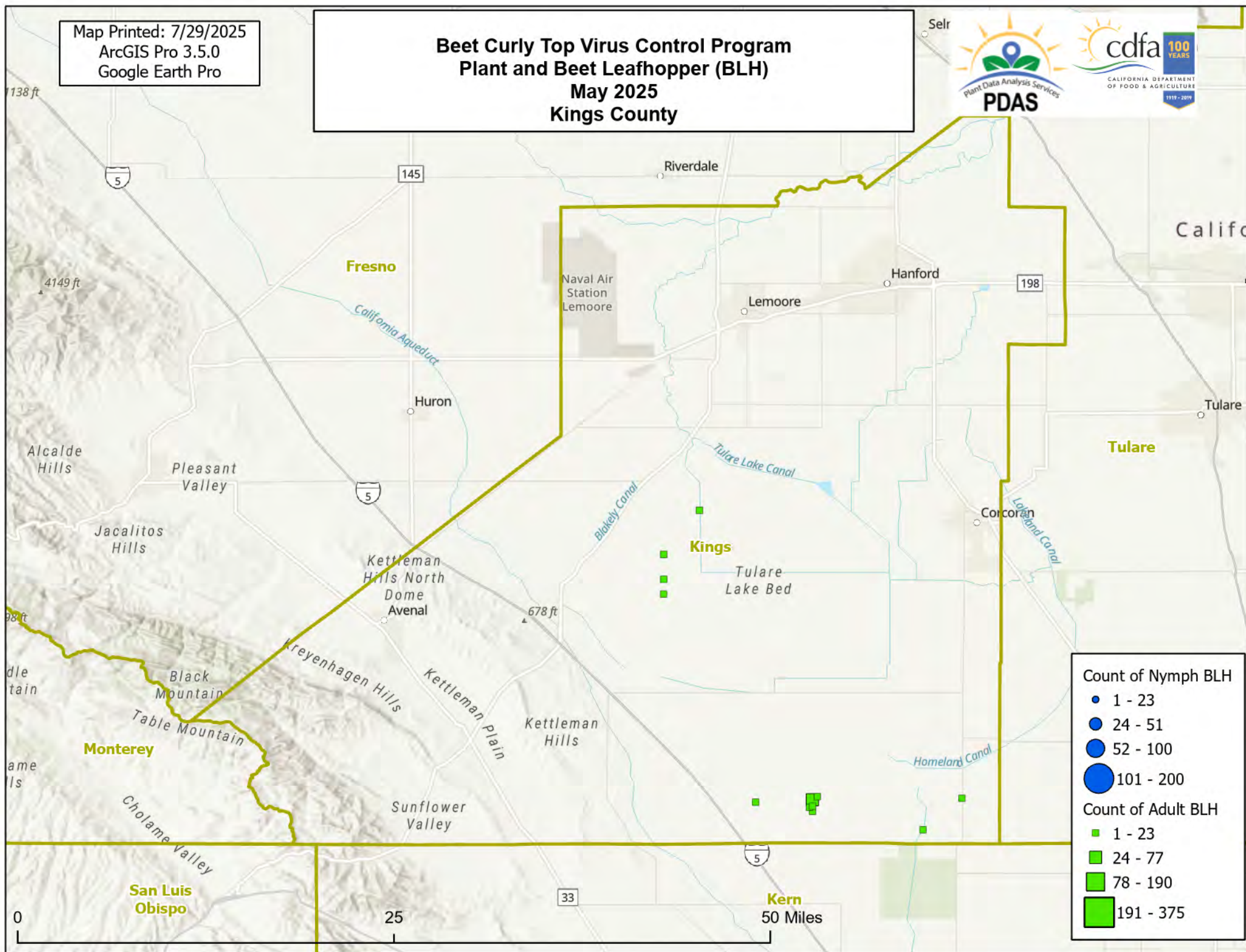
- 1 - 23
- 24 - 51
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- 78 - 190
- 191 - 375

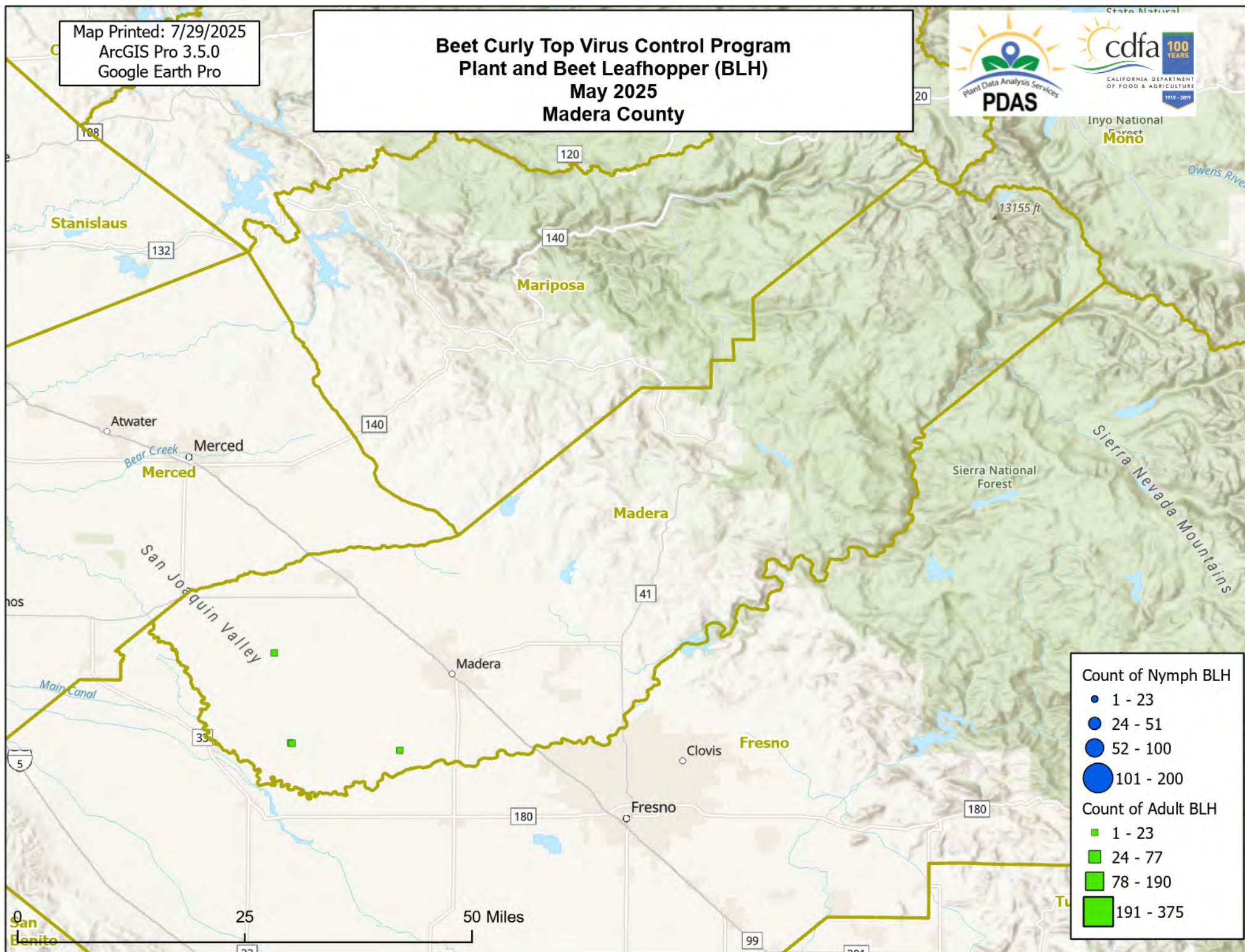
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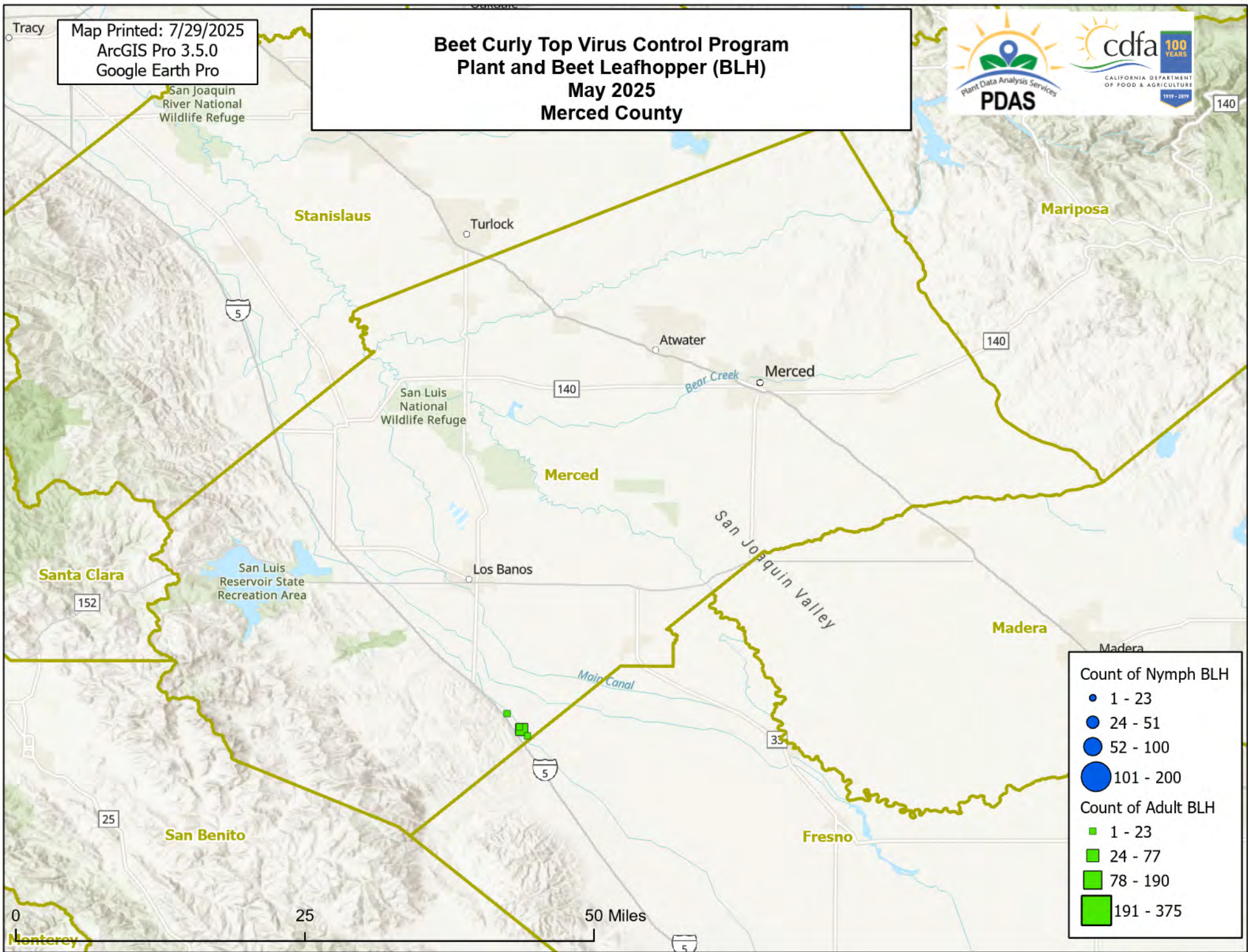
Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Kings County



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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Madera County



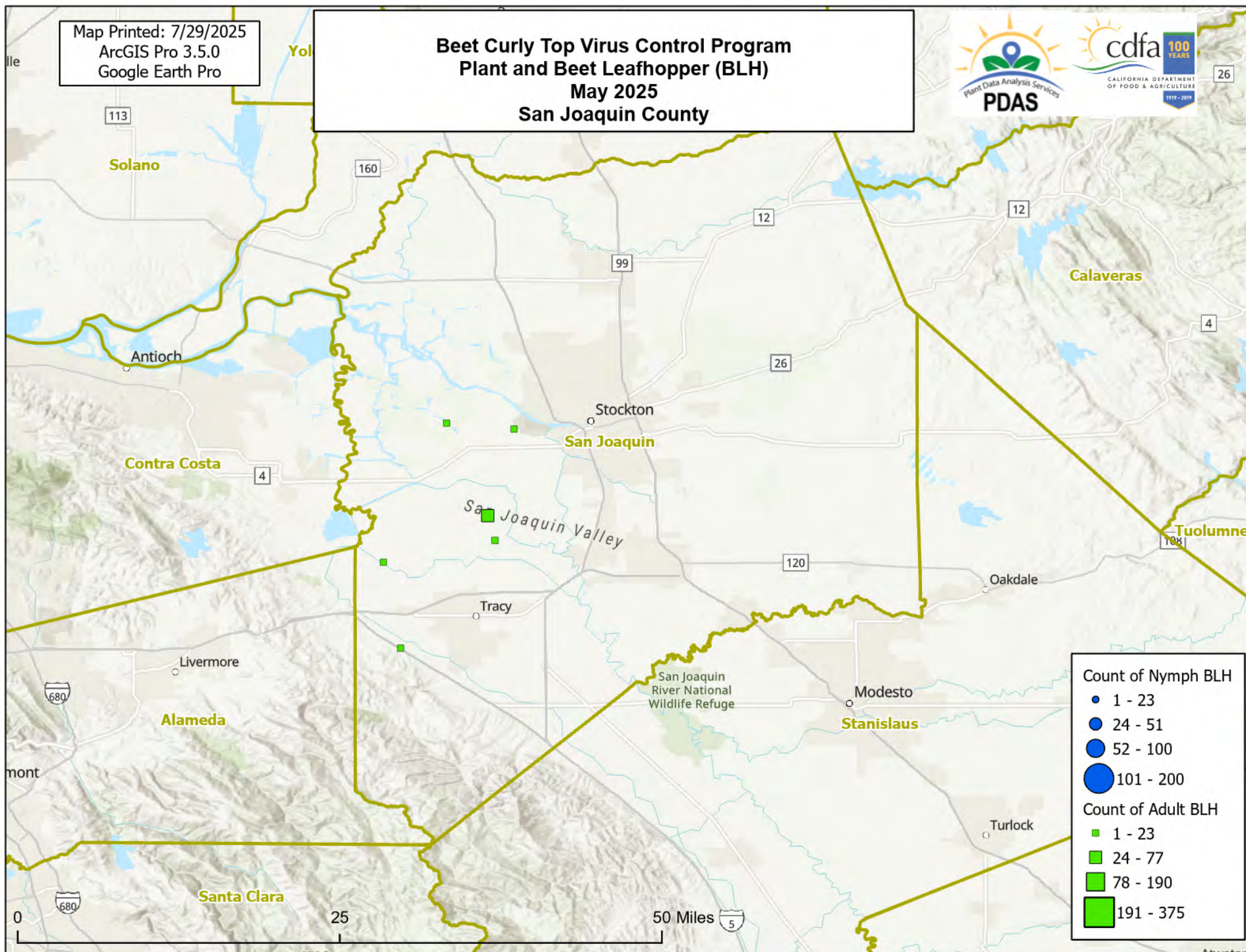


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Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 San Joaquin County



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Count of Nymph BLH

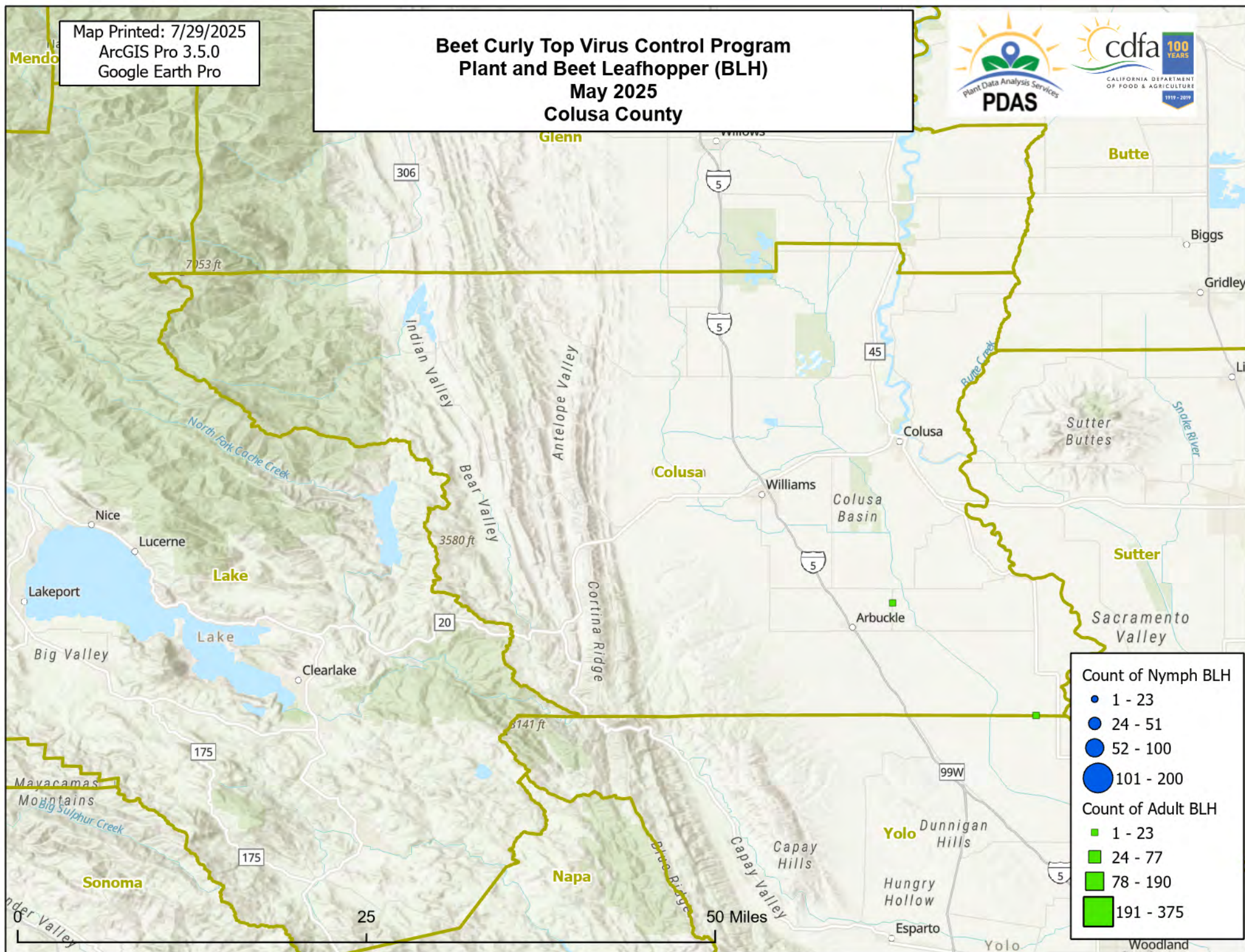
- 1 - 23
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- 101 - 200

Count of Adult BLH

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- 24 - 77
- 78 - 190
- 191 - 375

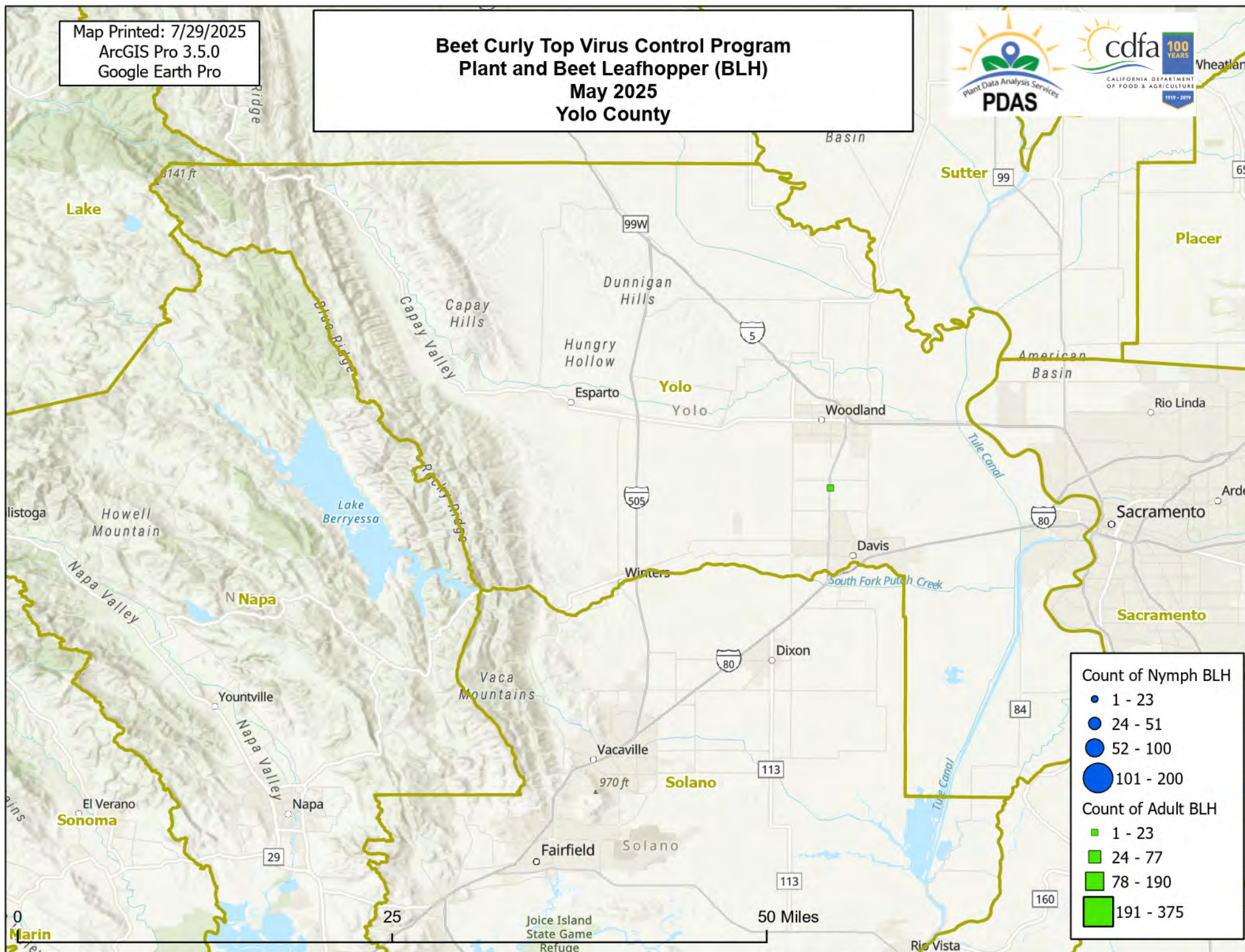
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Colusa County



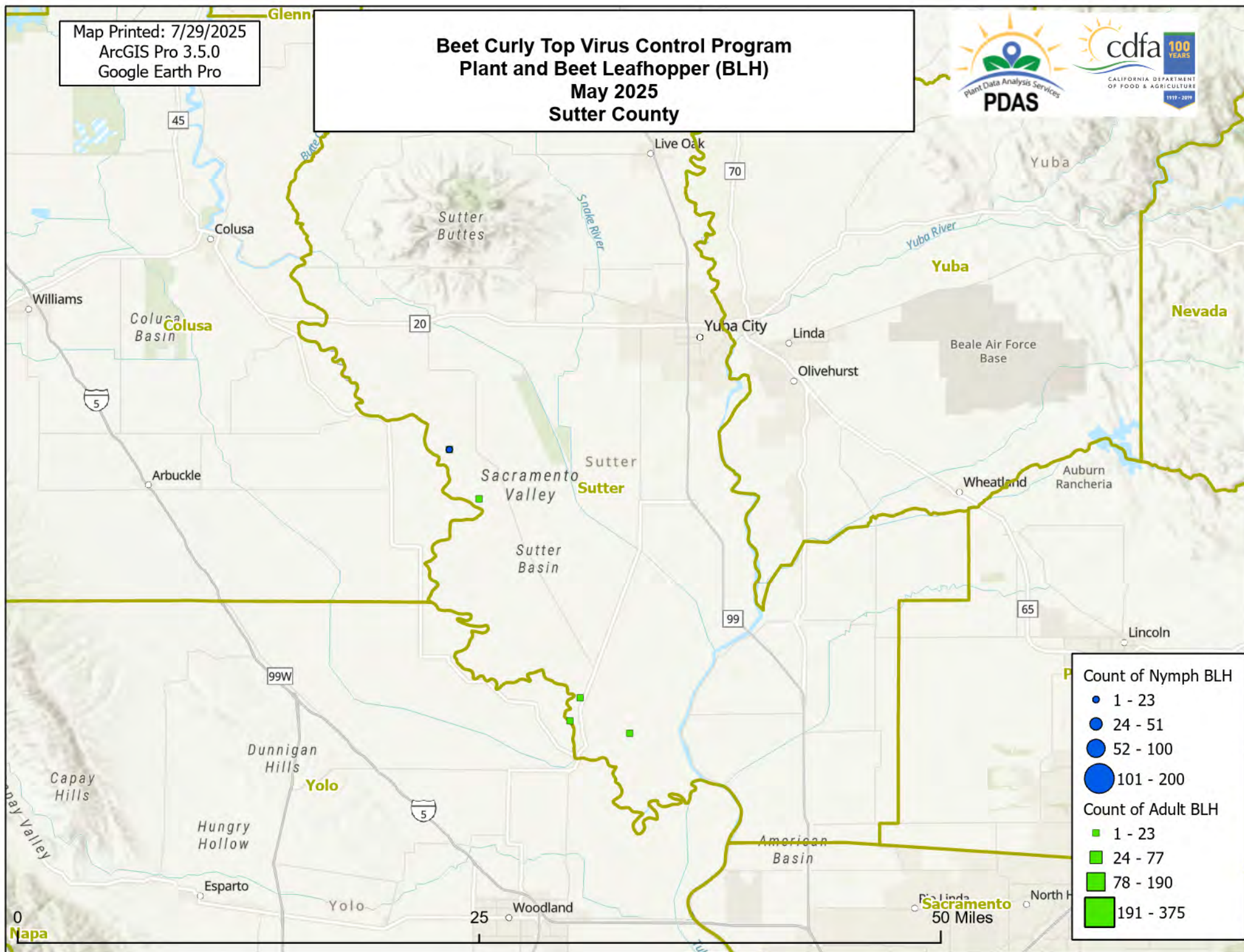
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Yolo County



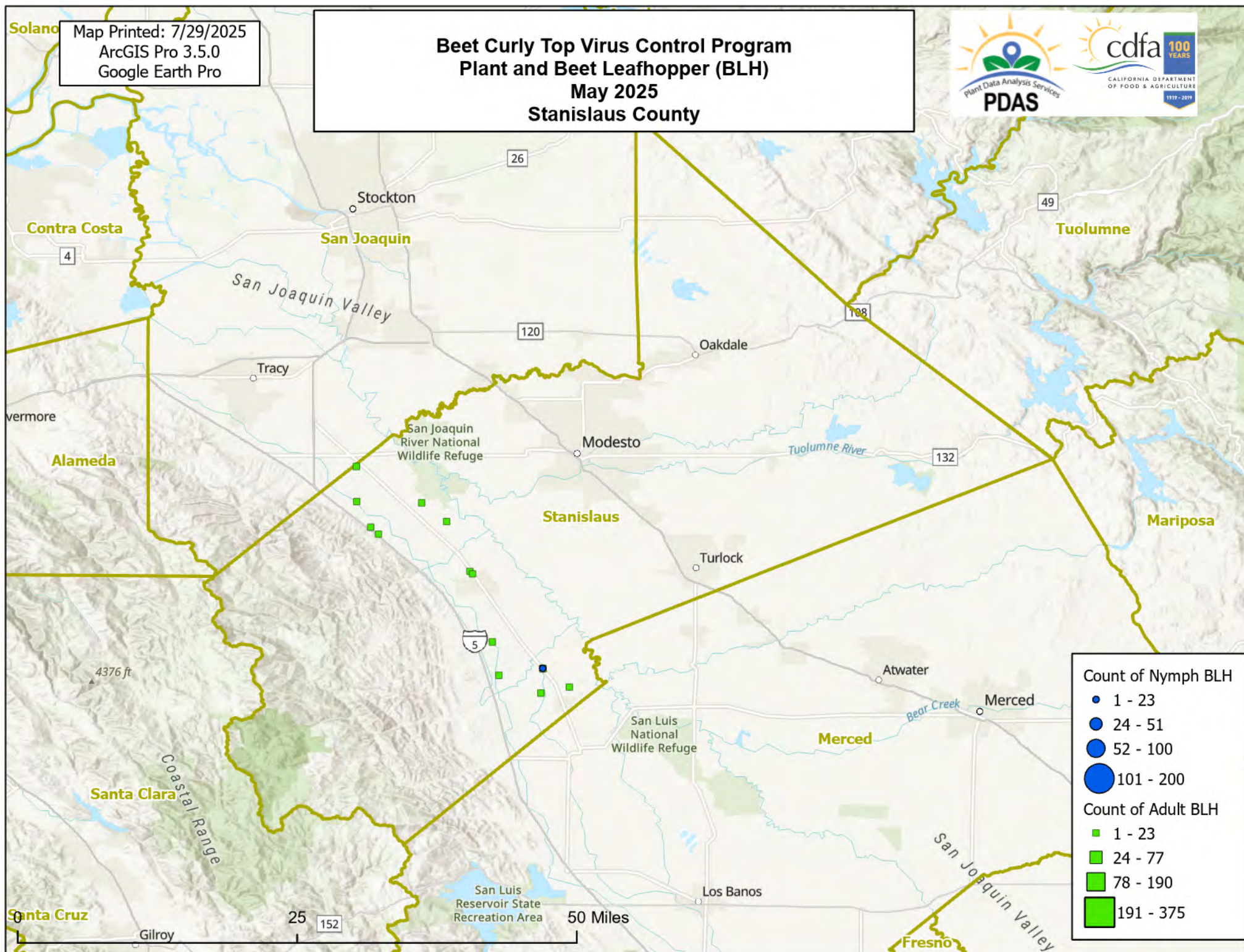
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Sutter County



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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Stanislaus County



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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Glenn County



Tehama

Mendocino

Mendocino National Forest

Glenn

Butte

Willows

Chico

45

162

Colusa

5

Colusa

Lake

Coastal Range

25

50 Miles

Count of Nymph BLH

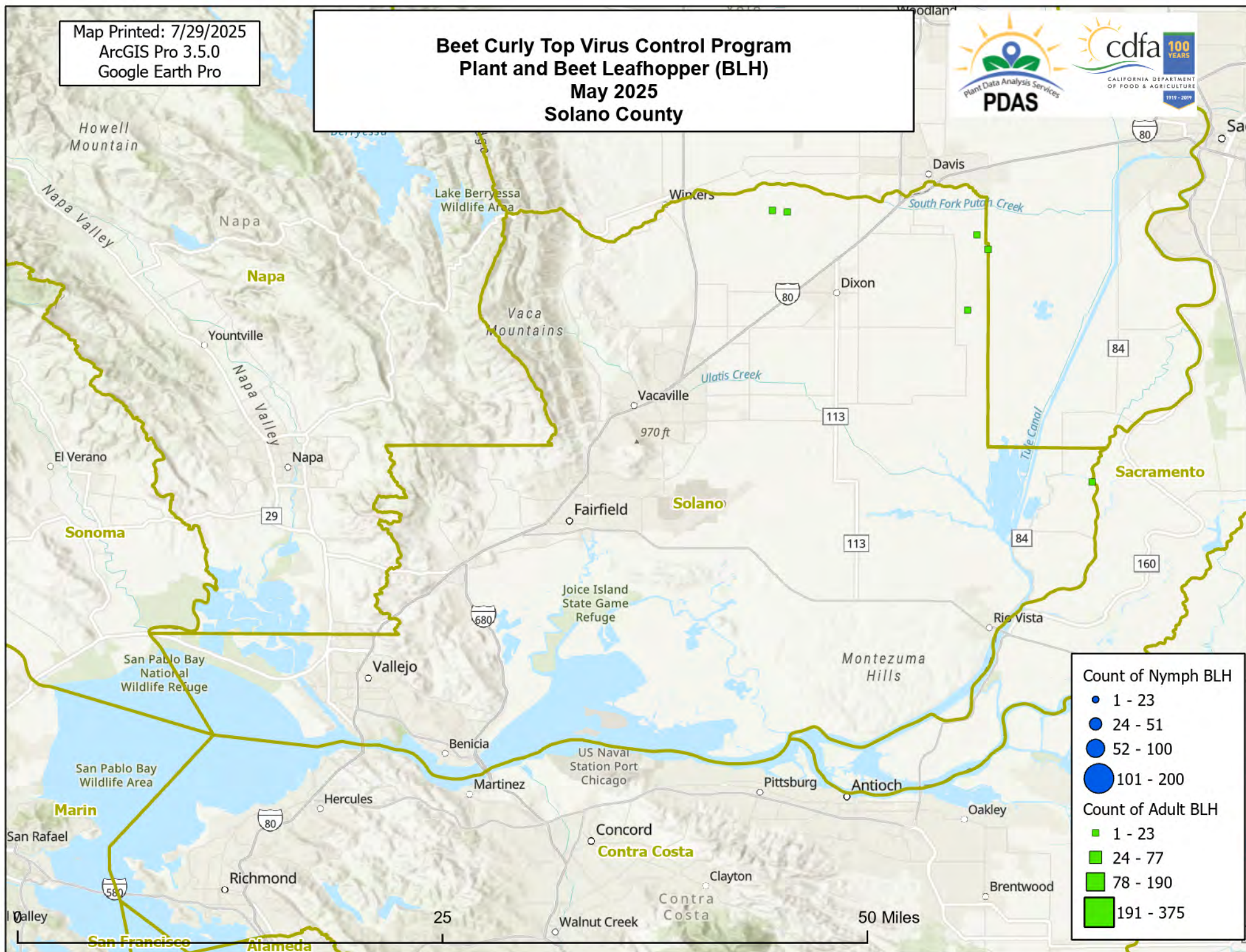
- 1 - 23
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Count of Adult BLH

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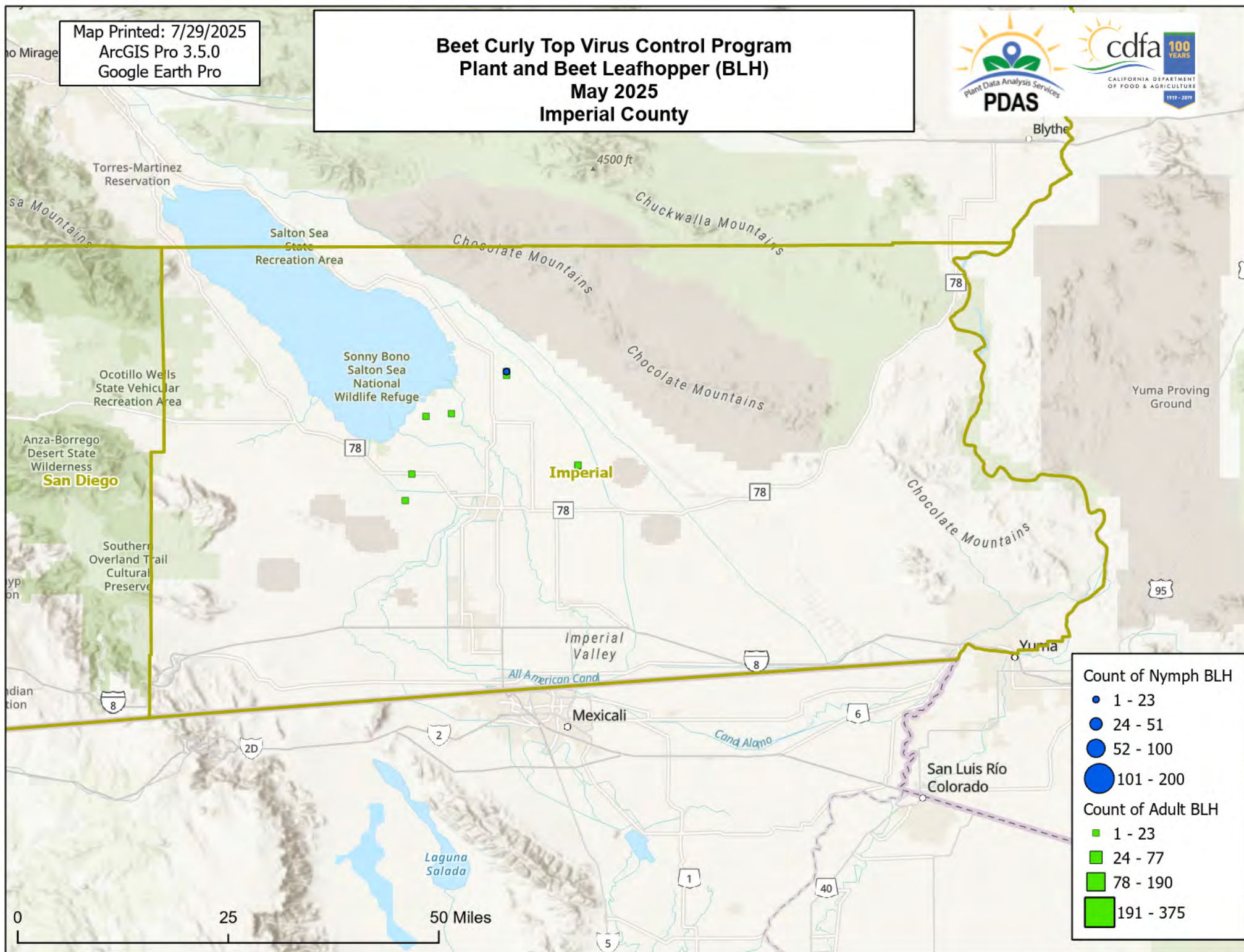
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Solano County



Map Printed: 7/29/2025
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Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Imperial County

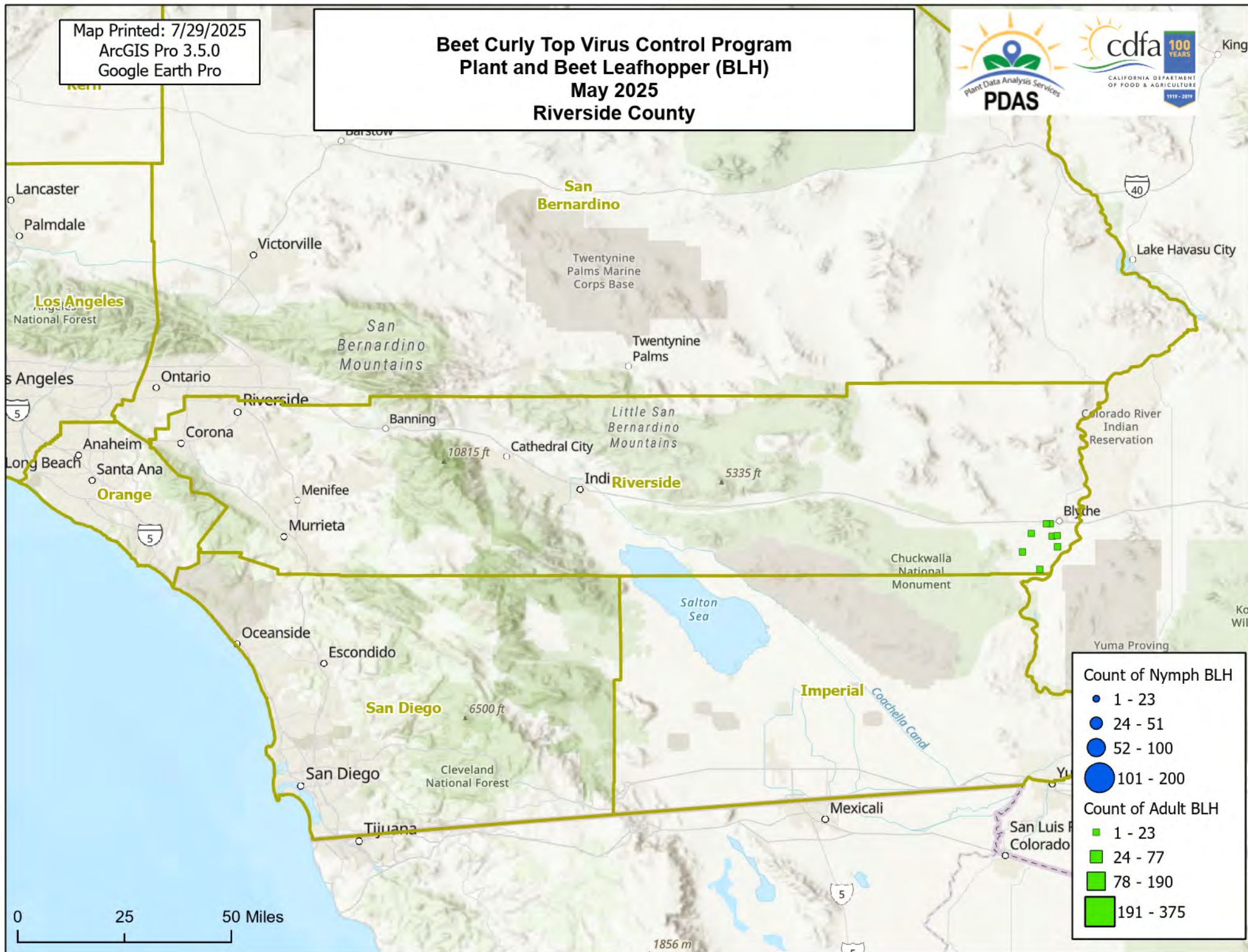


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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Riverside County



King



Map Printed: 7/29/2025
ArcGIS Pro 3.5.0
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) May 2025 Monterey County



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