

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 2025

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.
- BLH counts remained very low or not present in all survey areas statewide (0-2 BLH per sweep).
- Program staff are conducting hillside survey but due to lack of rainfall host plant vegetation in the hillsides is limited and experiencing die off. Filaree, peppergrass, and plantago are commonly observed host plant in the hillsides. Lack of vegetation reduces areas for BLH to overwinter in the hillsides.
- Valley floor survey has increased due to the dry hillside conditions. Commonly observed host plant vegetation is Mallow, Filaree, and London Rocket. With bed preparation removing fallow field acreage and limited roadside vegetation, the Program doesn't see much activity on the Valley floor.
- 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

January County Average BLH Counts				
County	2022	2023	2024	2025
Fresno	1.8	0.2	4.9	0.2
Kings	0.6	0.05	0.9	0.4
Kern	0.1	0.05	0.2	0.1
Madera	-	-	-	-
Merced	0.4	0	0.5	0.02
Butte	-	-	0.01	0.03
Colusa	-	-	0.1	0.06
Glenn	-	-	-	-
Sacramento	-	-	0	0.02
San Joaquin	-	-	0.2	0.1
Stanislaus	-	-	0.5	-
Sutter	-	-	0	0.04
Solano	-	-	0	0.09
Yolo	-	-	0.02	0.02

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	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative BLH	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Positive Host Plant	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Negative Host Plant	3	1	-	-	-	3	7	3	4	4	3	2	-	7

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, Filaree, Plantago, Mustards, Russian Thistle, and London Rocket.
- 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>
Tumey Hills	1/7/2025	0.3
North Panoche Creek	1/8/2025	0.3
Staircase	1/14/2025	0.9
W Mountain View Ave	1/14/2025	0.8
S Calaveras Ave	1/14/2025	0.2
S Napa Ave	1/14/2025	0.6
W Palmer Ave	1/14/2025	1.0
S Sonoma Ave	1/15/2025	0.2
W Herndon Ave	1/16/2025	0.2
Jayne Ave	1/16/2025	1.4
Jacalitos	1/16/2025	0.7
Domegine	1/22/2025	0.6
Big C	1/22/2025	1.6
W Dinuba Ave	1/23/2025	0.2
Chevron	1/23/2025	0.4
W American Ave	1/27/2025	0.4
N Russell Ave	1/27/2025	0.2
Tumey Hills	1/28/2025	0.5
Coalinga Nose	1/29/2025	0.2

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, Filaree, Plantago, and Mallow.
- 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>
Elk Hills	1/6/2025	0.2
Western Mineral	1/6/2025	1.2
36 Hills	1/8/2025	0.2
36 Hills	1/9/2025	0.4
Elk Hills	1/9/2025	0.6
Shooting Range	1/9/2025	0.6
McKittrick	1/14/2025	0.2
Elk Hills	1/14/2025	0.2
Elk Hills	1/15/2025	0.6
Triple 5's	1/15/2025	0.5
Elk Hills	1/21/2025	0.2
Shooting Range	1/21/2025	0.2
Reserve Rd	1/22/2025	0.2
McKittrick	1/28/2025	0.5
Rod's Hill	1/29/2025	0.3
S Lake Rd	1/30/2025	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 plant vegetation surveyed included Russian Thistle, Filaree, Salt Bush and Mallow.
- 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 sweep set</u>
Devils Den	1/6/2025	0.6
Kettleman Hills s/o 41	1/7/2025	0.5
25th Ave	1/7/2025	1.2
Kettleman Hills n/o 41	1/8/2025	0.3
Kettleman Hills n/o 41	1/9/2025	0.9
Kettleman Hills s/o 41	1/9/2025	0.4
Devils Den	1/13/2025	0.8
Kettleman Hills s/o 41	1/13/2025	0.7
28th Ave	1/13/2025	2.8
Quail Ave	1/13/2025	0.6
Quail Ave	1/13/2025	0.2
Kettleman Hills s/o 41	1/14/2025	0.7
Tehama Ave	1/21/2025	0.6
Utica Ave	1/21/2025	0.5
Frontage Rd	1/23/2025	1.6
25th Ave	1/23/2025	1.0
Kettleman Hills n/o 41	1/28/2025	0.4
25th Ave	1/29/2025	0.7

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.
- Host vegetation surveyed included Mallow, Filaree, and London Rocket.

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, 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 sweep set</u>
Dos Palos	1/28/2025	0.4

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, Filaree, Mustards, Salt Bush, 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 sweep set</u>
Tracy	1/14/2025	0.6
E Greenwood Rd	1/16/2025	0.6
Tracy	1/30/2025	0.2

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, 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 sweep set</u>
Leesville Rd	1/28/2025	0.4
Freshwater Rd	1/28/2025	0.6

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, Stinkwort, 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 sweep set</u>
County Rd 26	1/14/2025	0.2
County Rd 32A	1/14/2025	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, Filaree, 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 sweep set</u>
Nicolaus Ave	1/7/2025	0.6
W Catlett Rd	1/21/2025	0.2

Stanislaus County

- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- No BLH were observed during survey in Stanislaus County.
- Host vegetation surveyed included Mallow.

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.
- Host vegetation surveyed included Mustards, Filaree, and Mallow.

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 Mustards, Filaree, and Mallow.
- 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 sweep set</u>
Dayton	1/22/2025	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 Mustards, Filaree, and 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 sweep set</u>
Sherman Island East Levee Rd	1/16/2025	0.4

Solano County

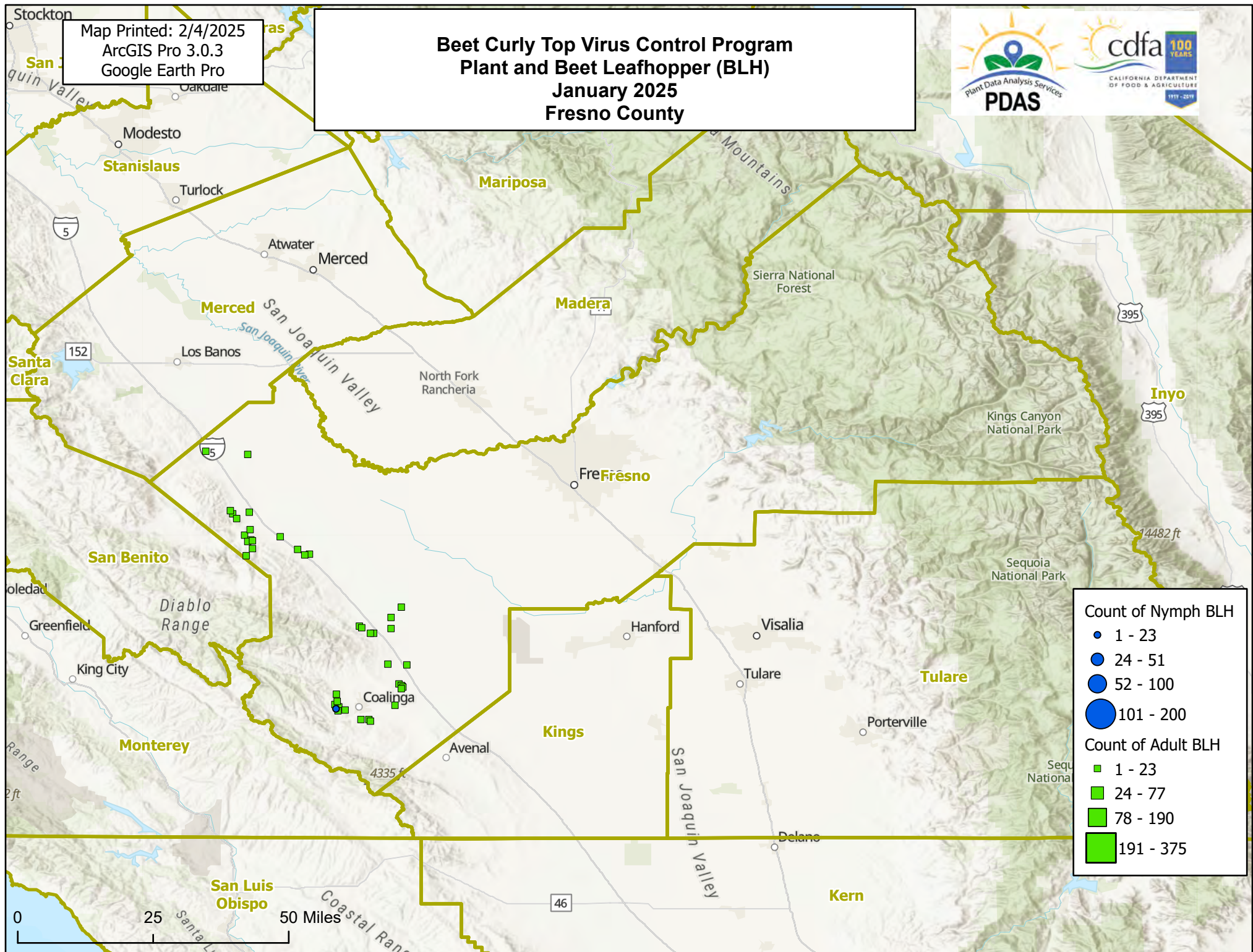
- BLH population surveys were conducted in fallow fields and roadsides within five miles of the foothills.
- Overall counts remained very low throughout the survey areas, averaging 0-1 BLH per sweep set.
- Host vegetation surveyed included Mallow, Mustards, Filaree, Russian Thistle, and Plantago.
- A 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>
Timm Rd	1/8/2025	0.2
Sucro	1/8/2025	0.4
Brown Valley Open Space	1/8/2025	0.6
Rio Vista	1/23/2025	0.2

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www.cdfa.ca.gov/subscriptions/

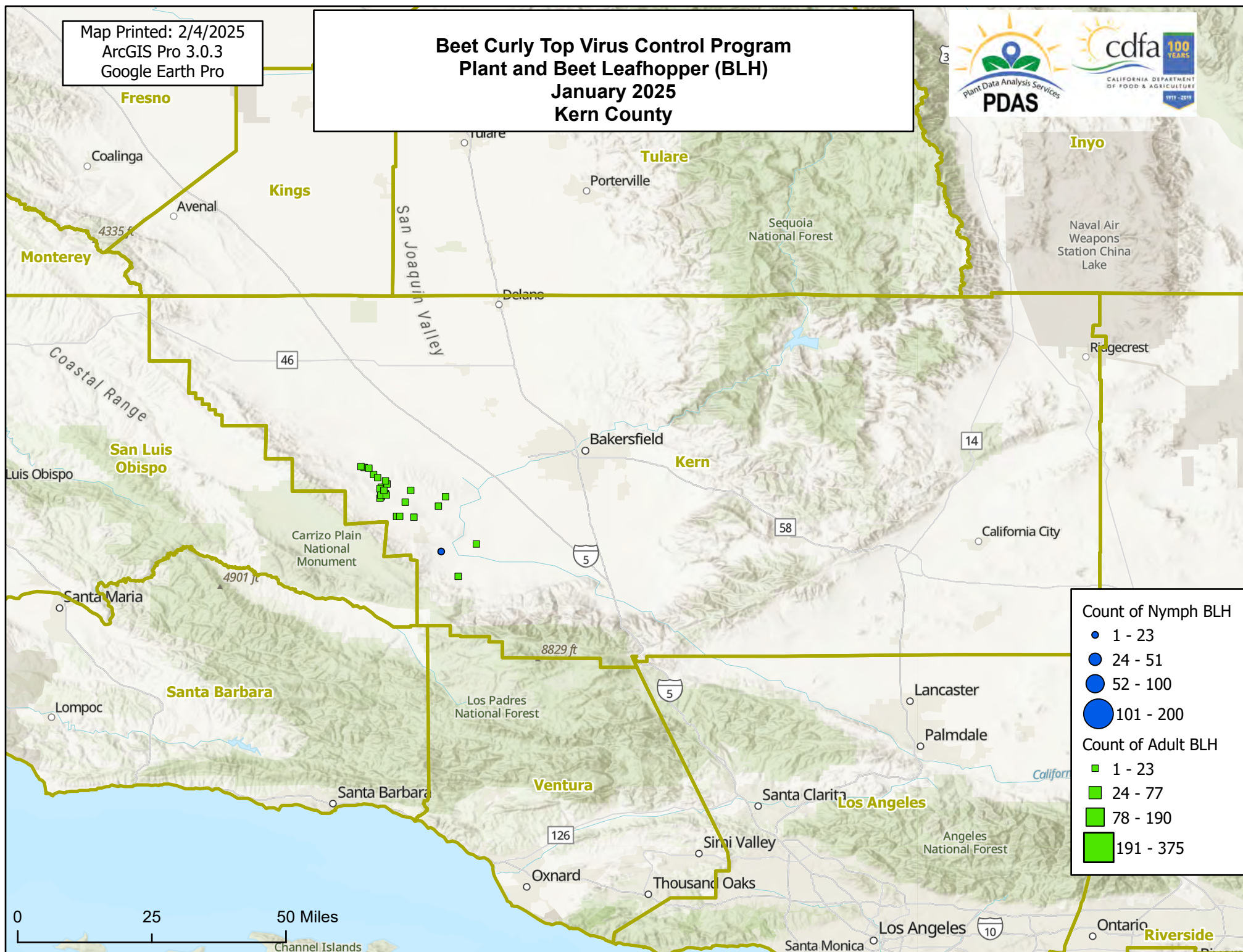
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ArcGIS Pro 3.0.3
Google Earth Pro

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



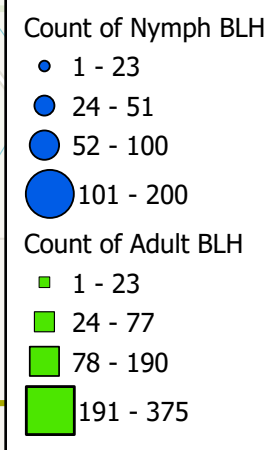
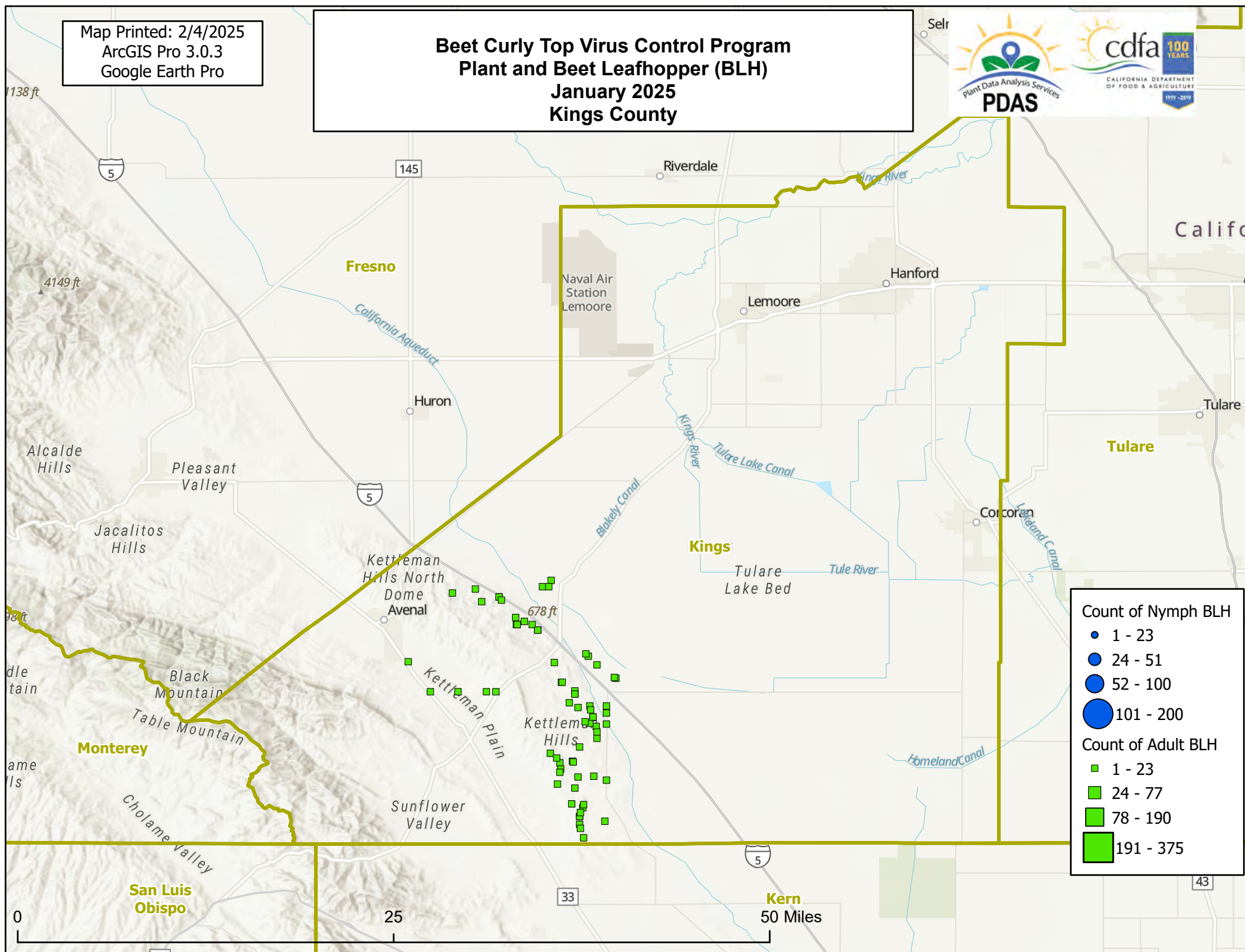
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Kern County



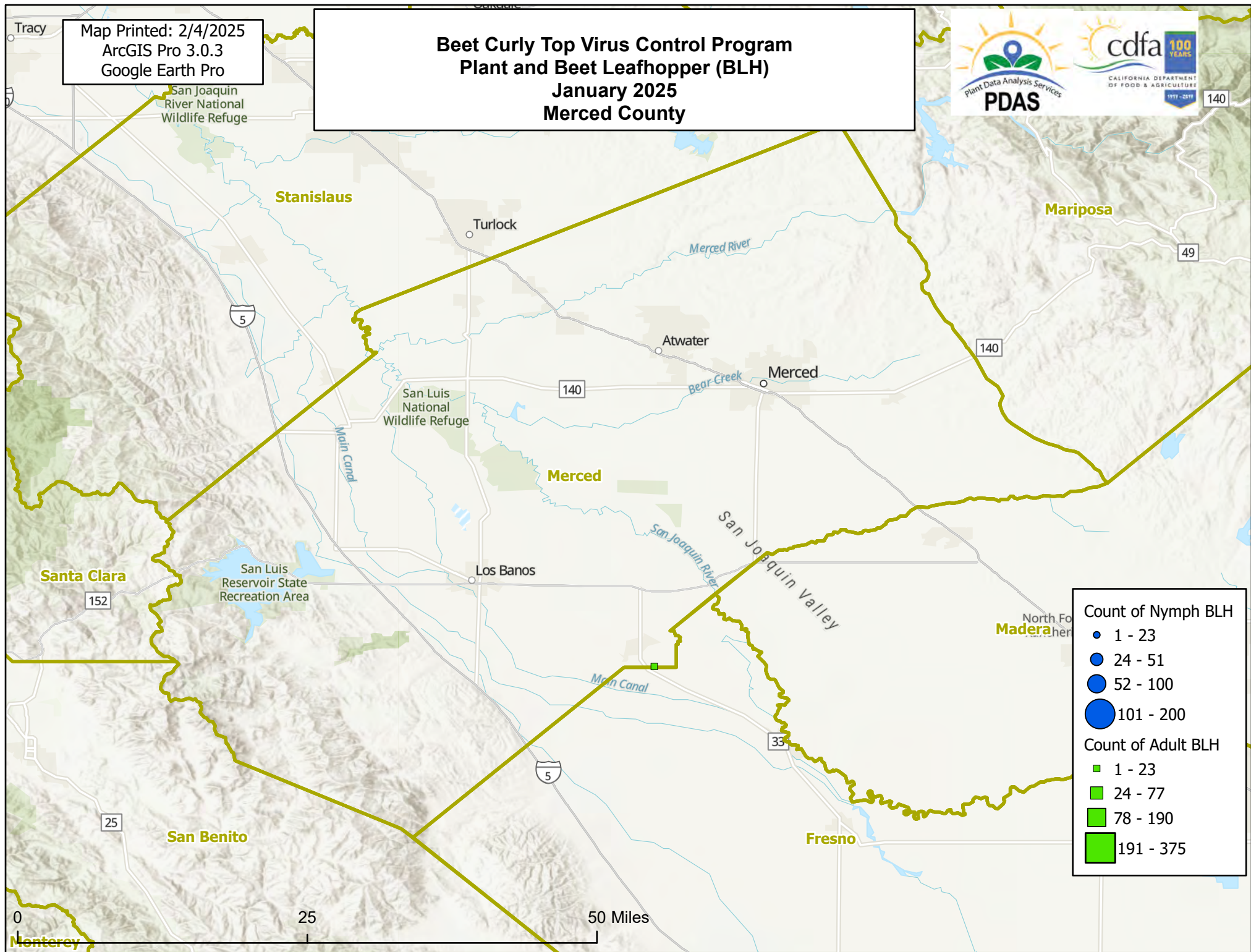
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Kings County



Map Printed: 2/4/2025
ArcGIS Pro 3.0.3
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Merced County



Count of Nymph BLH

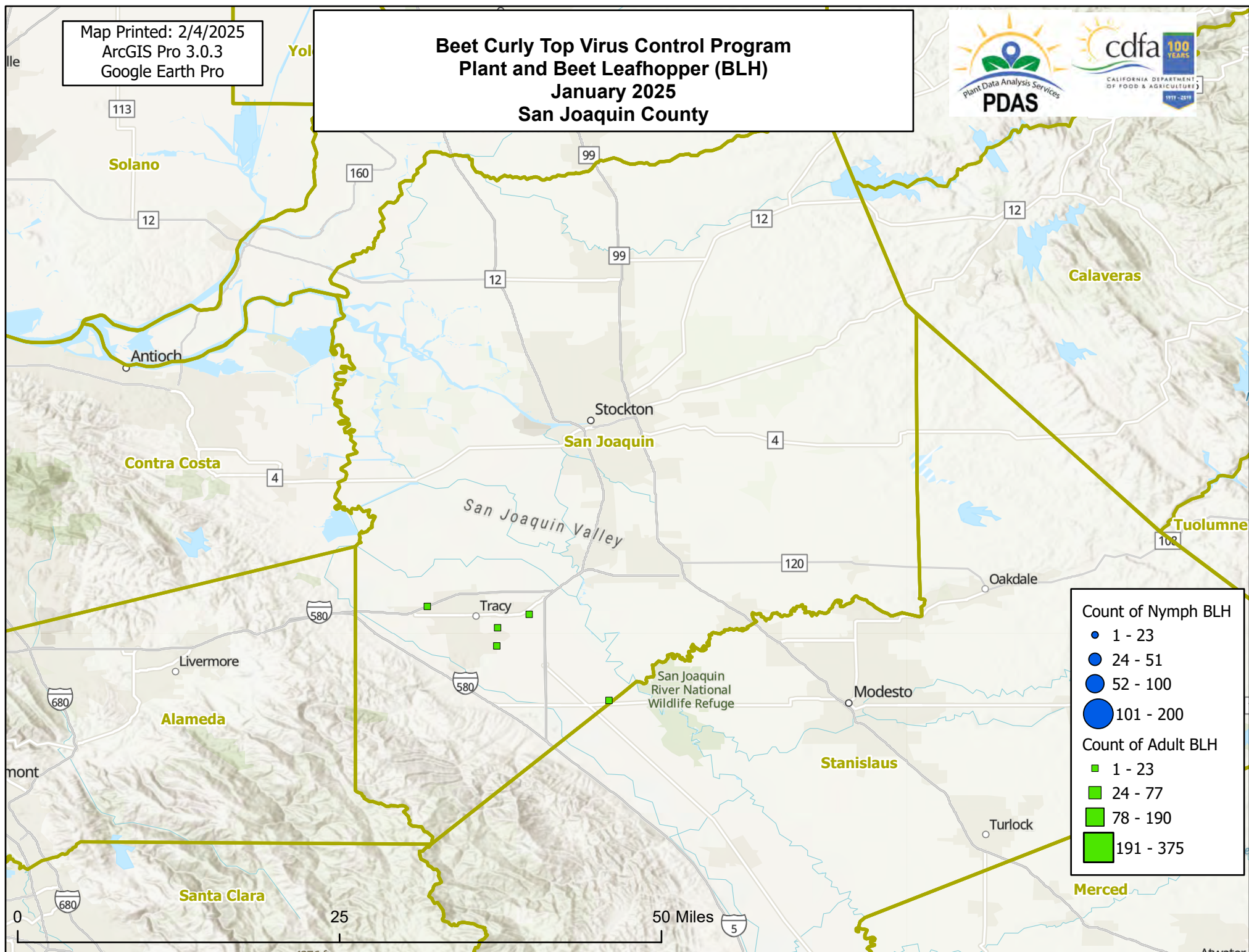
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

Map Printed: 2/4/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

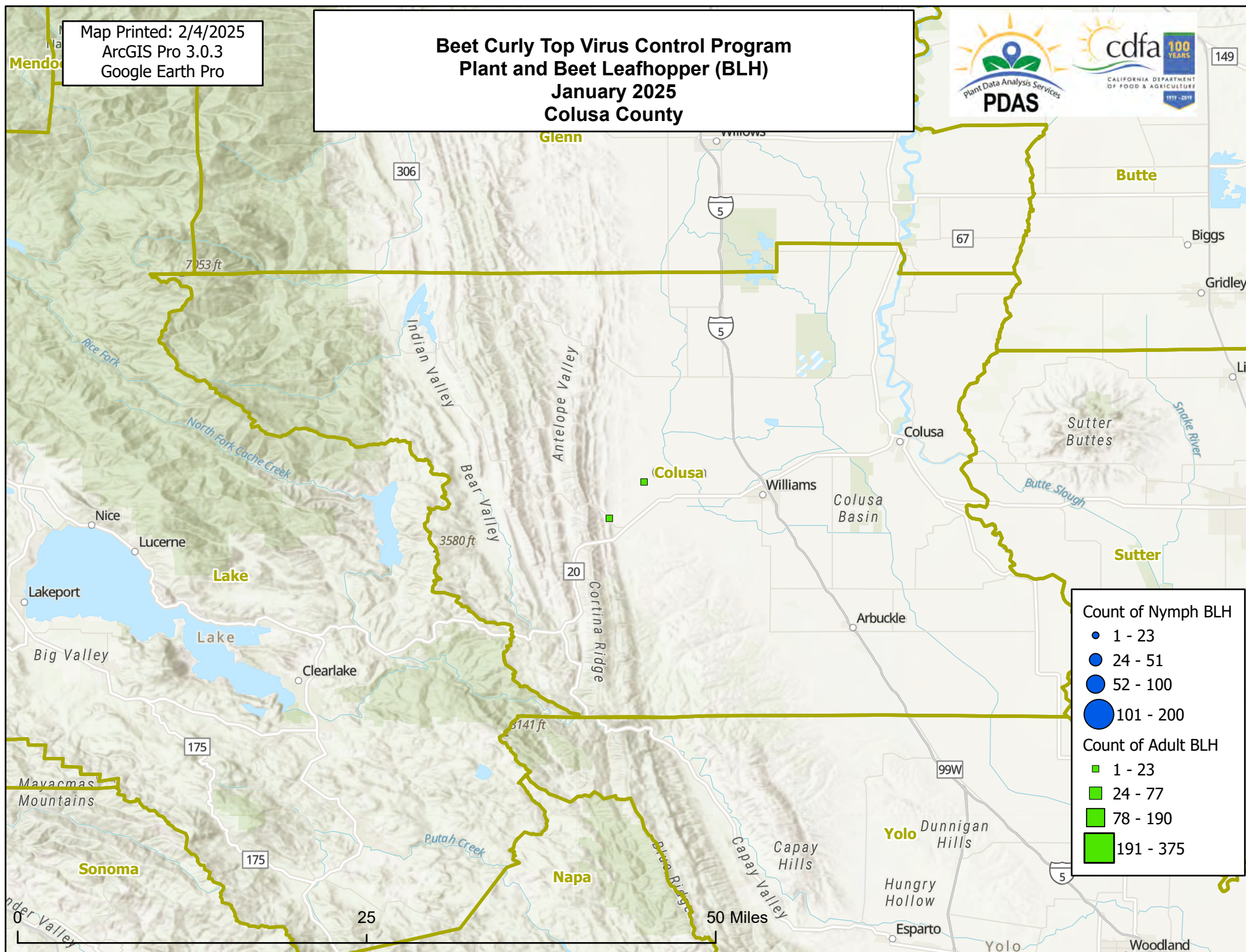


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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Colusa County

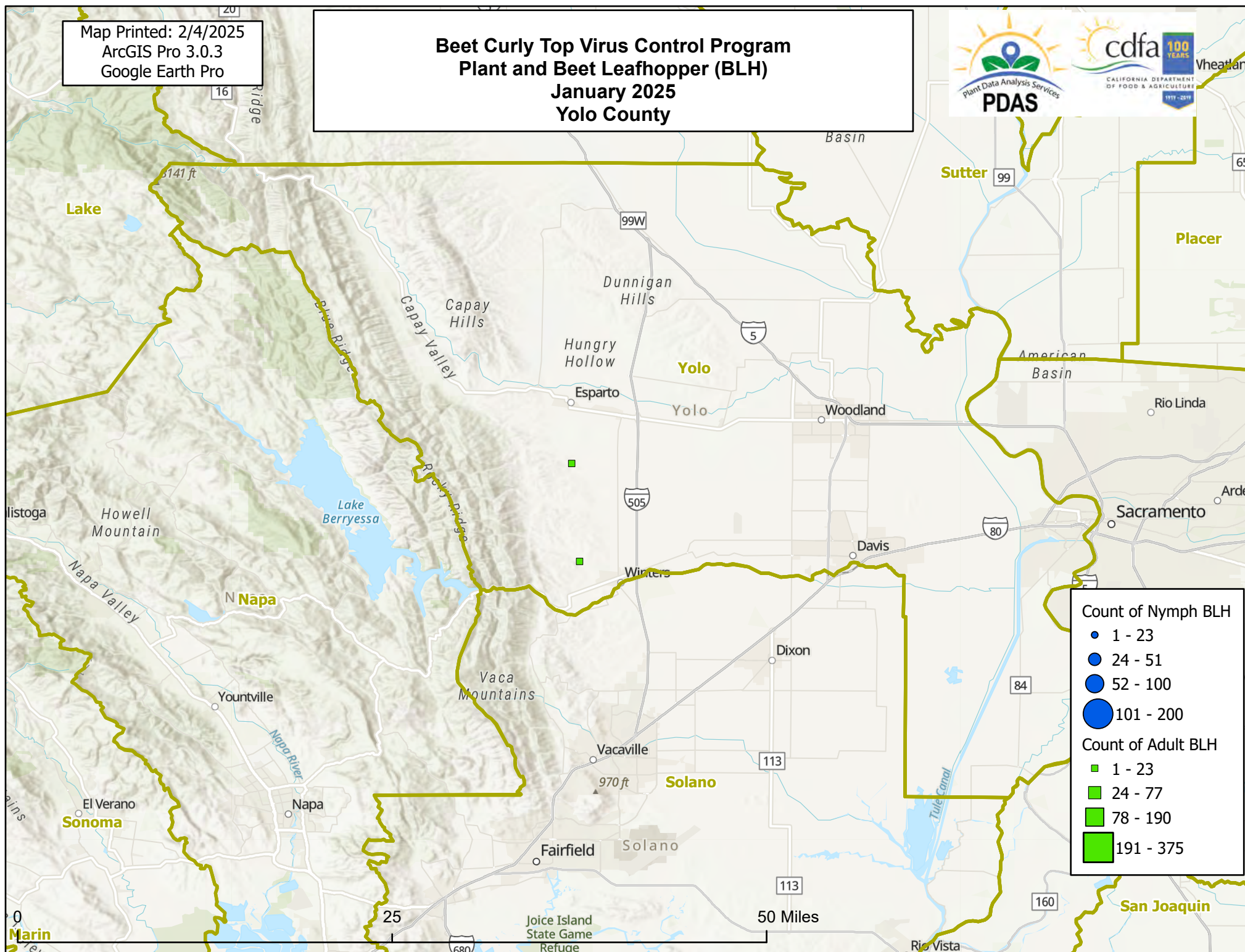


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Map Printed: 2/4/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

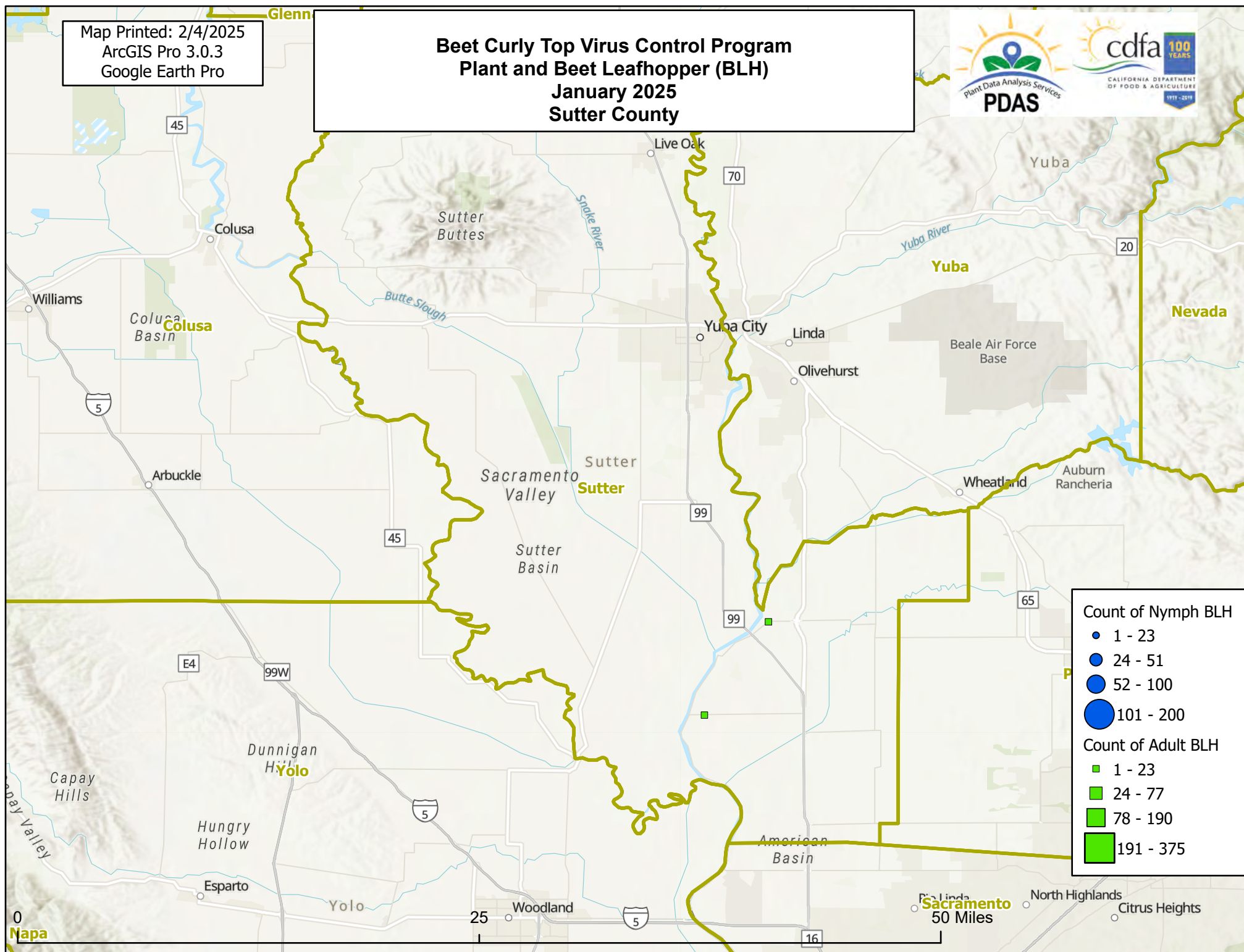
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

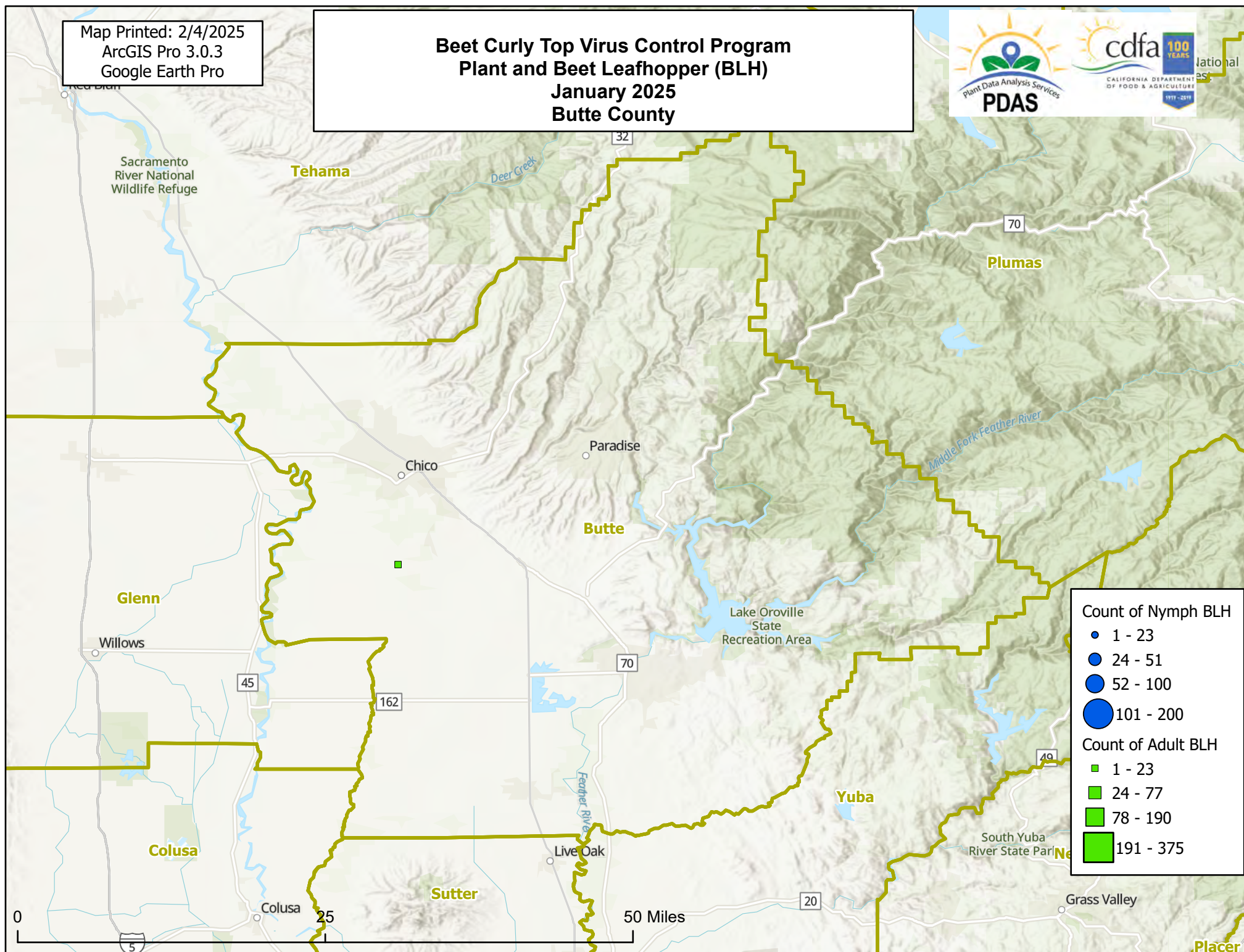
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Sutter County



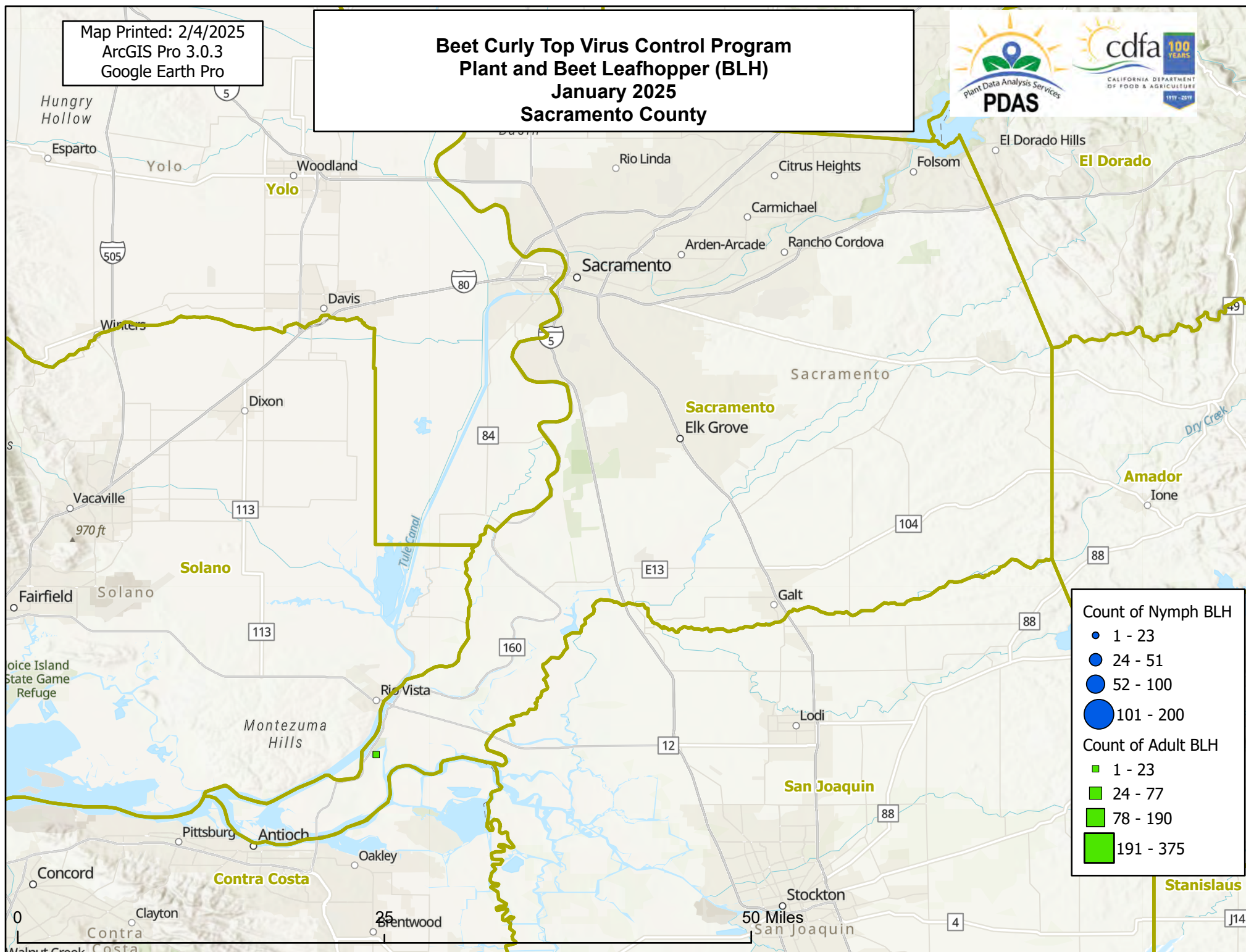
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Butte County



Map Printed: 2/4/2025
ArcGIS Pro 3.0.3
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) January 2025 Sacramento County



Map Printed: 2/4/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

