

Beet Curly Top Virus Control Program

Monthly Report

California Department of Food and Agriculture
Plant Health and Pest Prevention Services
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March 2025

Program Update

- In March, 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 low in all survey areas statewide (0-5 BLH per sweep set). Adult BLH have started to migrate out of the hillside properties experiencing the most host plant die off.
- Rain events have germinated more annual grasses in the hillsides and Valley floor, limiting BLH population growth. Host plant die off is increasing with large portions in Fresno County seeing 100 % die off rates.
- Valley floor survey has expanded monitoring due to the dry hillside conditions. Commonly observed host plant vegetation is Mallow, Mustard, Filaree, and London Rocket. BLH averages remain low or not present in the Valley floor (0-2 BLH per sweep set).
- On March 19, the Beet Curly Top Virus Control Board (BCTVCB) held an annual spring meeting to review the Program budget, provide updates on current operations, and to review objectives for the 2025 growing season.
- 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

March County Average BLH Counts				
<u>County</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Fresno	5.4	0.01	1.5	1.5
Kings	5.2	0.2	0.5	5.0
Kern	8.4	0.03	0.8	1.3
Madera	-	-	0	0.03
Merced	-	0	0.02	0.06
Butte	-	-	-	0.1
Colusa	-	0.3	-	0
Glenn	-	-	0	0.2
Sacramento	-	-	0	0
San Joaquin	-	-	0.01	1.7
Stanislaus	-	0	0	0.04
Sutter	-	0	0	0.2
Solano	-	-	0	0.03
Yolo	-	0.5	0	0.04
San Benito	-	-	-	-

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

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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 plant vegetation surveyed included Mallow, Filaree, Plantago, Mustards, Russian Thistle, Peppergrass, Shepherd's Purse, 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>
San Joaquin	3/3/2025	0.2
Coalinga	3/3/2025	0.6
Tumey Hills	3/4/2025	0.1
North Tip	3/4/2025	0.1
S Glen Ave	3/4/2025	0.4
Domegine	3/10/2025	1.2
Big C	3/10/2025	6.3
South of Kamm	3/11/2025	4.0
North of Kamm	3/11/2025	3.3
Cantua	3/11/2025	4.1
Zapato	3/12/2025	0.1
Oro Loma	3/12/2025	0.2
S Stanislaus Ave	3/18/2025	0.4
North of Panoche Creek	3/19/2025	0.4
Tumey Hills	3/19/2025	2.0
Big C	3/20/2025	2.6
Coalinga Nose	3/20/2025	6.2
Gyp Pits	3/20/2025	3.1
Chevron	3/24/2025	0.9
Domegine	3/24/2025	3.7
North Tip	3/24/2025	0.1
Tumey Hills	3/24/2025	1.7
Jacalitos	3/25/2025	2.5
Staircase	3/25/2025	0.3
W Dinuba Ave	3/25/2025	0.4
Levis	3/25/2025	1.6
Poleline Rd	3/25/2025	0.2

Cantua	3/26/2025	1.9
North of Kamm	3/26/2025	1.9
South of Kamm	3/26/2025	0.9
S Derrick Ave	3/26/2025	0.3
Calflax	3/26/2025	1.0
Benito	3/27/2025	0.4
Arbios	3/27/2025	1.0
Mendota	3/27/2025	0.5

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 Filaree, Plantago, Peppergrass, and Salt Bush.
- 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>
36 Hills	3/10/2025	1.3
Kitty Care	3/10/2025	0.7
Buena Vista Hills	3/11/2025	6.3
McKittrick	3/11/2025	2.6
McKittrick West	3/11/2025	0.2
Western Mineral	3/12/2025	0.9
36 Hills	3/19/2025	0.2
Elk Hills	3/19/2025	0.8
Elk Hills	3/20/2025	0.9
Kitty Care	3/20/2025	0.4
Buena Vista Hills	3/24/2025	0.4
Elk Hills	3/24/2025	1.3
36 Hills	3/25/2025	3.4
Kitty Care	3/25/2025	1.0
Valley Acres Flat	3/25/2025	1.1
West Buena Vista Hills	3/25/2025	0.3

Rod's Hill	3/26/2025	0.6
Shooting Range	3/26/2025	1.1
Triple 5's	3/26/2025	4.5
Williams Lease	3/26/2025	0.6
Buena Vista Hills	3/27/2025	0.2
Elk Hills	3/27/2025	0.4
Triple 5's	3/27/2025	1.1

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 to high throughout survey areas, averaging 0-6 BLH per sweep set. There was one area that had some high levels of BLH activity (10-50 BLH per sweep set), but it remains isolated.
- Host plant vegetation surveyed included Plantago, Filaree, Peppergrass, 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>
Devil's Den	3/11/2025	0.6
Kettleman Hills s/o 41	3/11/2025	1.5
Kettleman Hills n/o 41	3/19/2025	13.5
Kettleman Hills s/o 41	3/19/2025	6.7
Kettleman Hills n/o 41	3/26/2025	6.2

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, Filaree, Mustards, Shepherd's Purse,

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>
Chowchilla	3/10/2025	0.2
Madera	3/10/2025	0.2
Eastside Dr	3/10/2025	0.2
Road 9	3/10/2025	0.2

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, London Rocket, Shepherd's Purse, 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>
S Pole Line Rd	3/11/2025	0.2
Mervel Ave	3/11/2025	0.6
Los Banos	3/11/2025	0.2
El Nido	3/11/2025	0.4
S Pole Line Rd	3/20/2025	0.2
S Pole Line Rd	3/25/2025	0.3
Los Banos	3/25/2025	0.6

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 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 sweep set</u>
S Corral Hollow Rd	3/11/2025	3.6
S Bird Rd	3/11/2025	1.4

Colusa County

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

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, Filaree, Pig Weed, Bindweed, 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>
Citrona	3/26/2025	0.2
Capay	3/26/2025	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, and Crown Vetch.
- 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>
Joesphine	3/5/2025	0.2
Pass Rd	3/20/2025	1.6

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, Filaree, London Rocket, Shepherd's Purse, 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>
Vernalis	3/4/2025	0.6
Vernalis	3/19/2025	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 Mustards, Filaree, and Mallow.
- 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>
Orland	3/3/2025	0.4

Orland	3/18/2025	2.0
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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, Purple Vetch, 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>
Chico	3/3/2025	0.2
Oroville	3/18/2025	1.0
Oroville	3/19/2025	0.2
Honcut	3/19/2025	0.2

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 Filaree and Mallow.

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

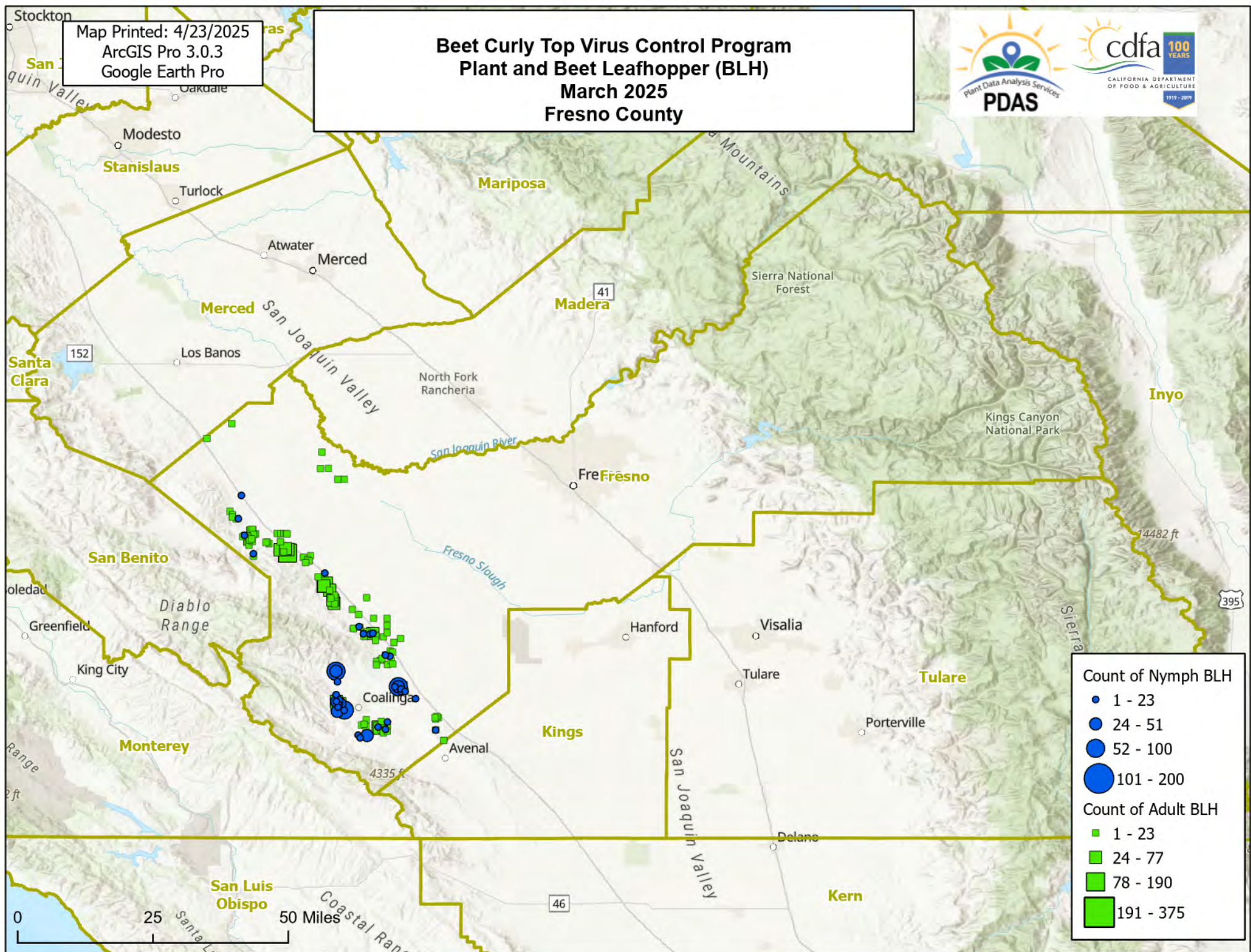
Solano County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>

Vacaville	3/6/2025	0.4
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www.cdfa.ca.gov/subscriptions/

Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
Google Earth Pro

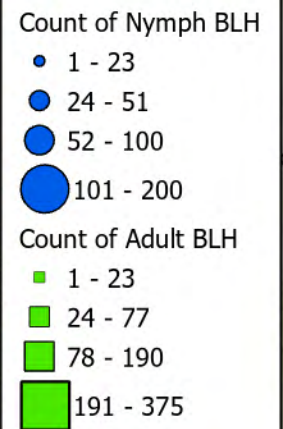
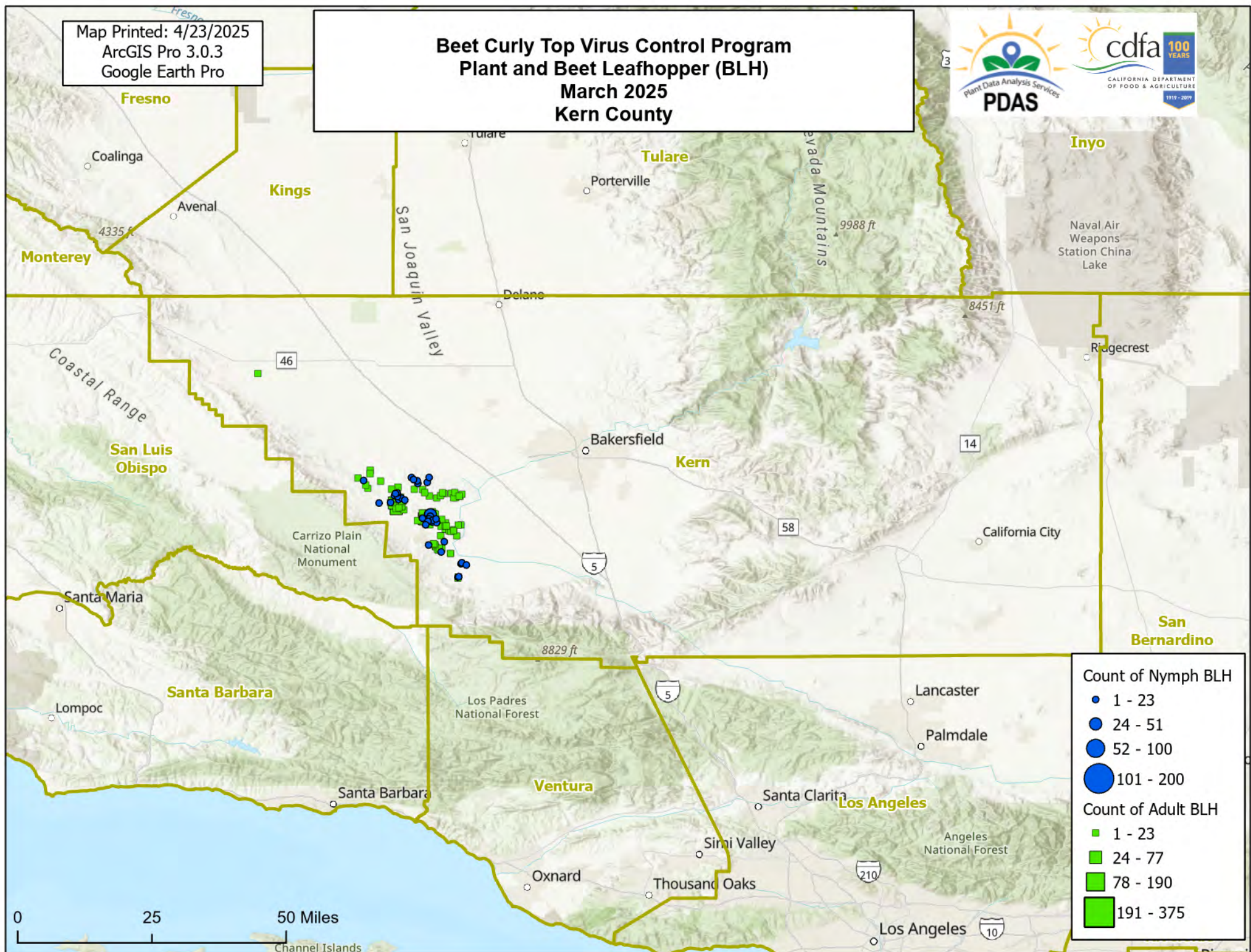
Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) March 2025 Fresno County



- Count of Nymph BLH
- 1 - 23
 - 24 - 51
 - 52 - 100
 - 101 - 200
- Count of Adult BLH
- 1 - 23
 - 24 - 77
 - 78 - 190
 - 191 - 375

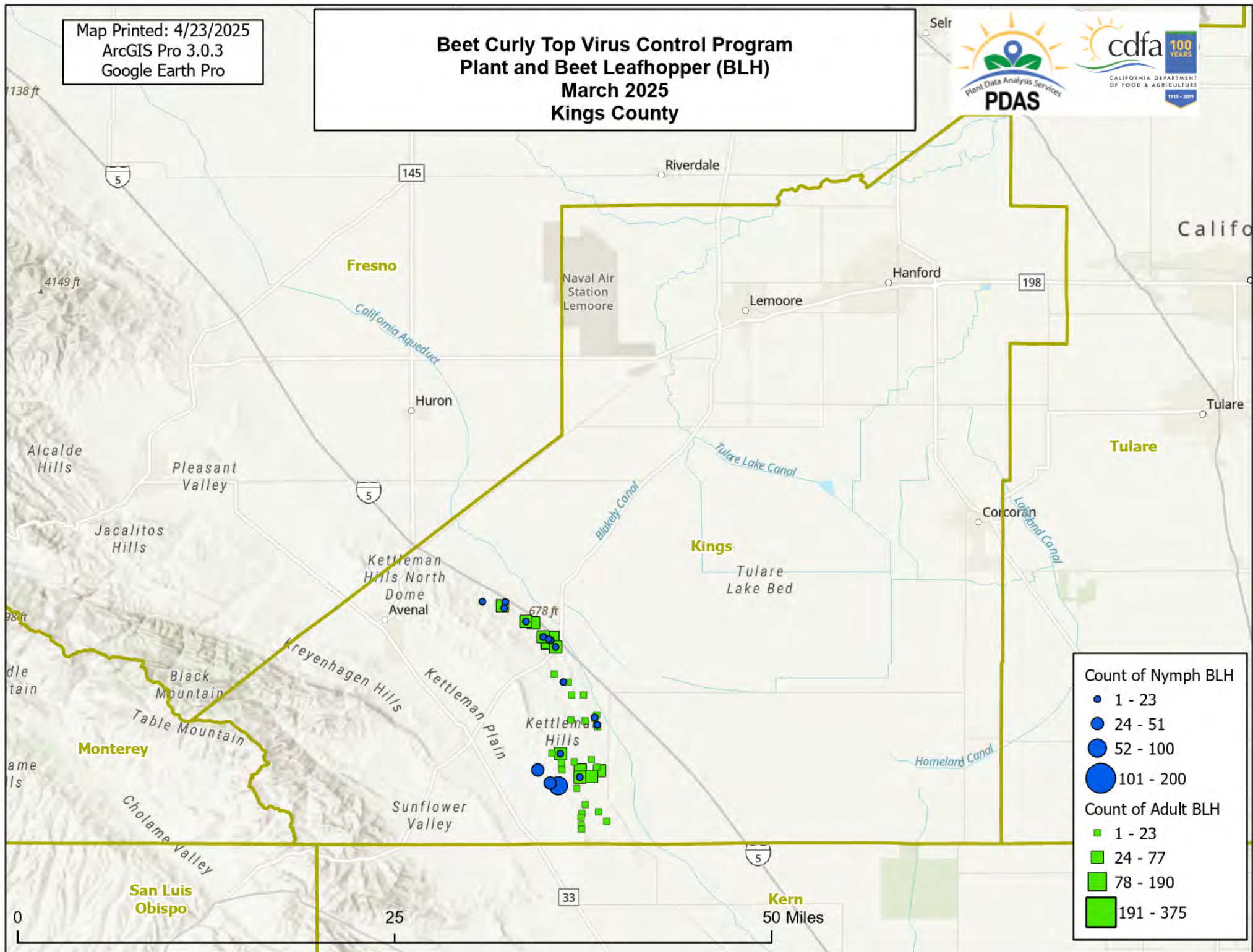
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Google Earth Pro

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



Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

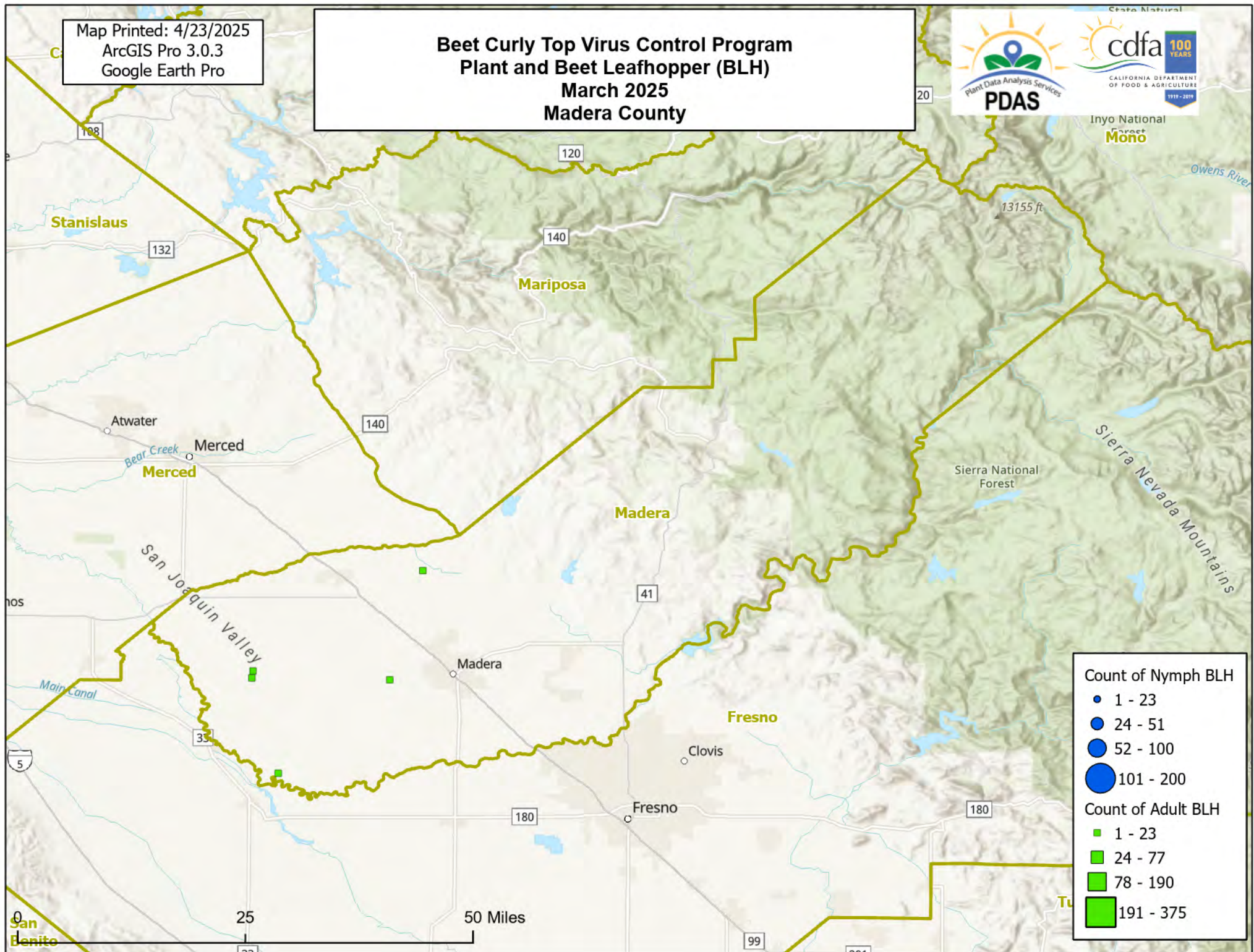
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

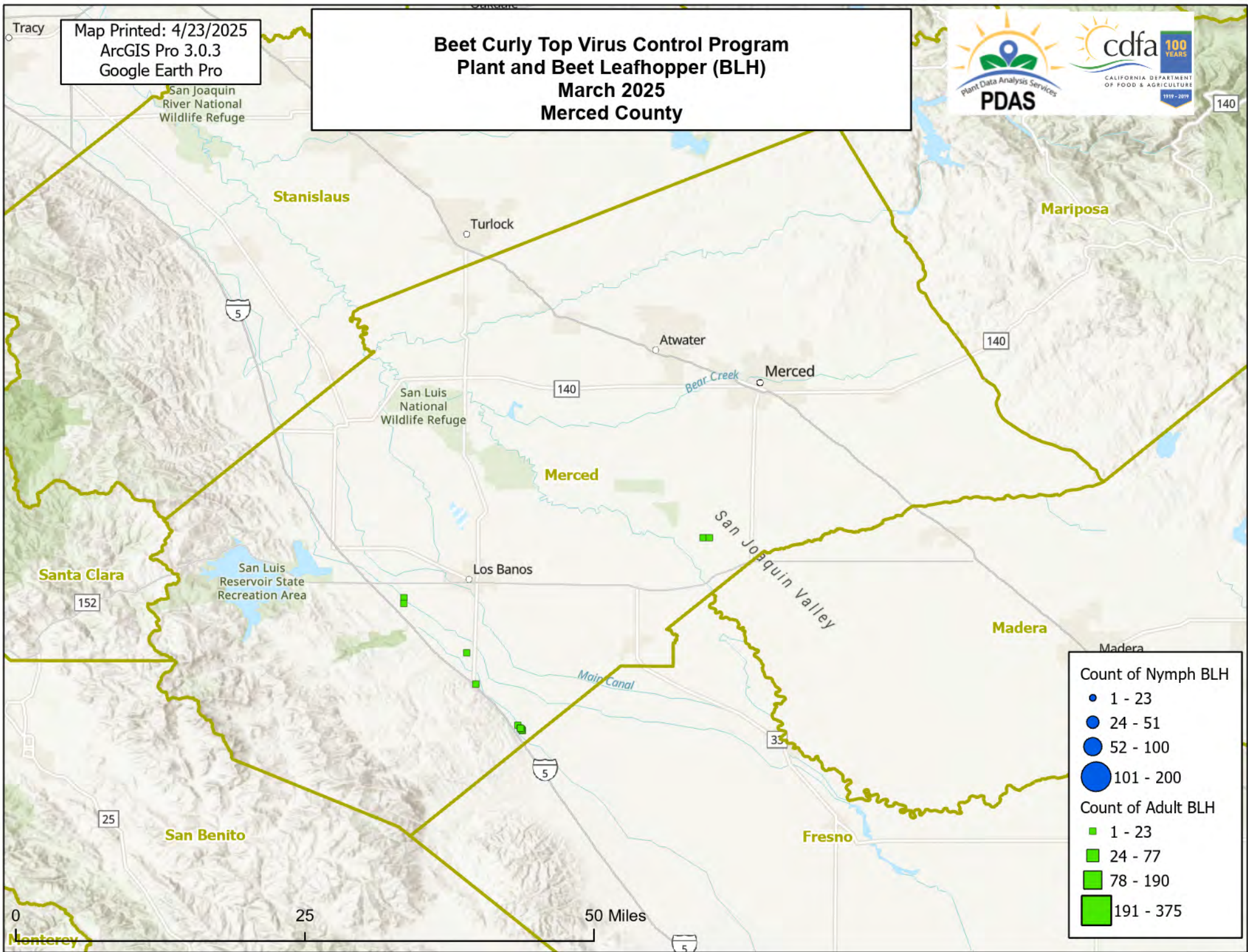


Count of Nymph BLH

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

Count of Adult BLH

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

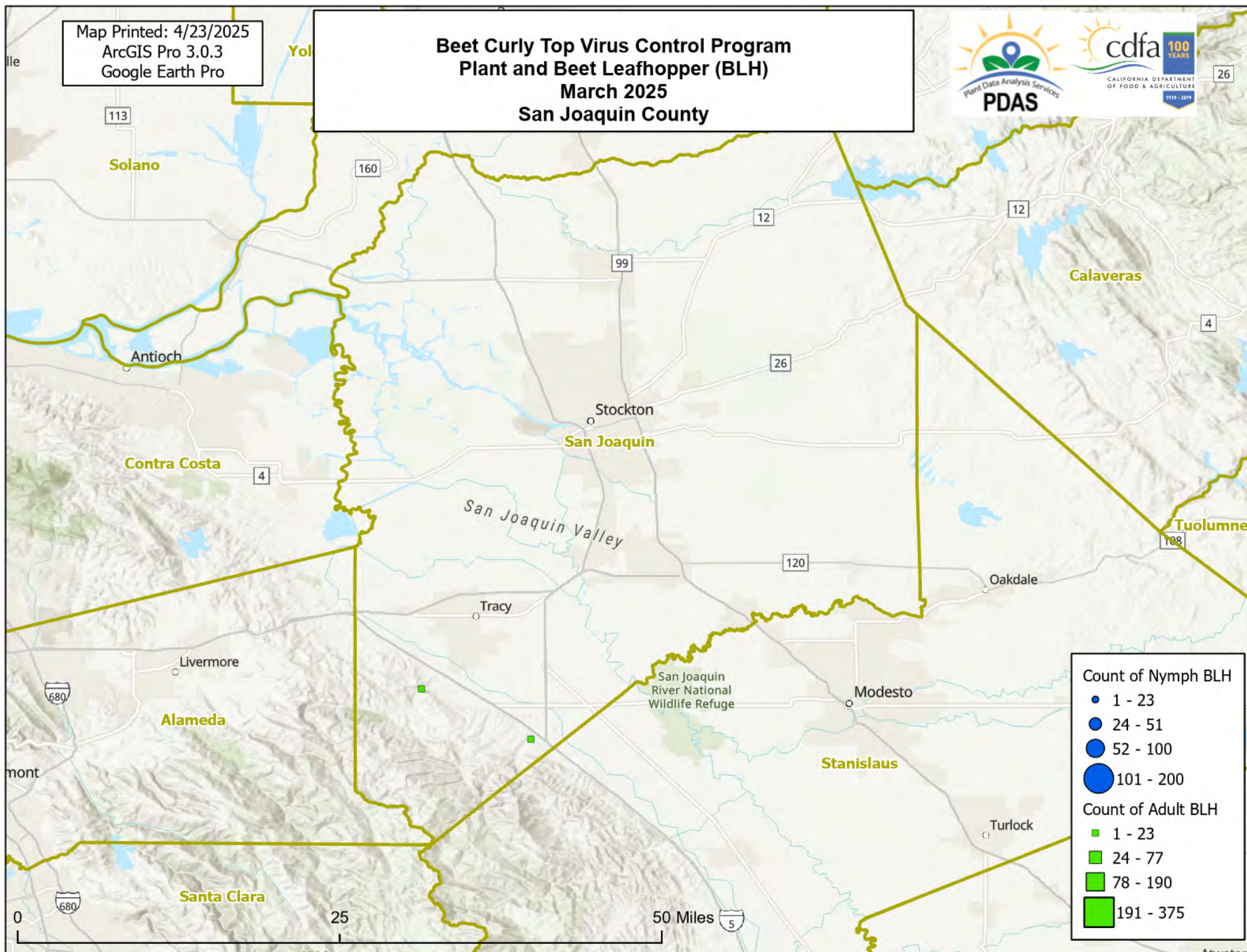


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ArcGIS Pro 3.0.3
Google Earth Pro

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



26



Count of Nymph BLH

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

Count of Adult BLH

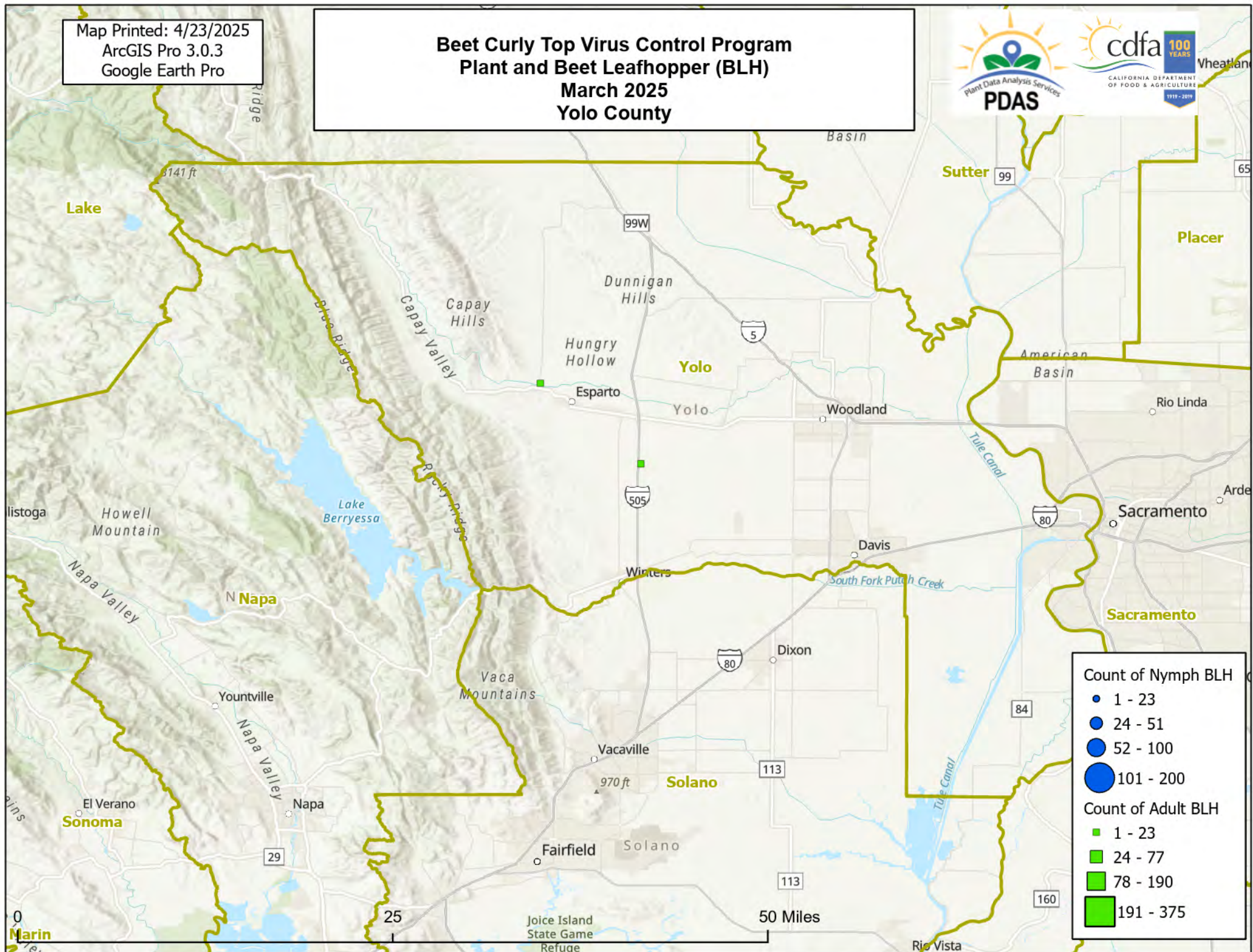
- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Wheatland



Count of Nymph BLH

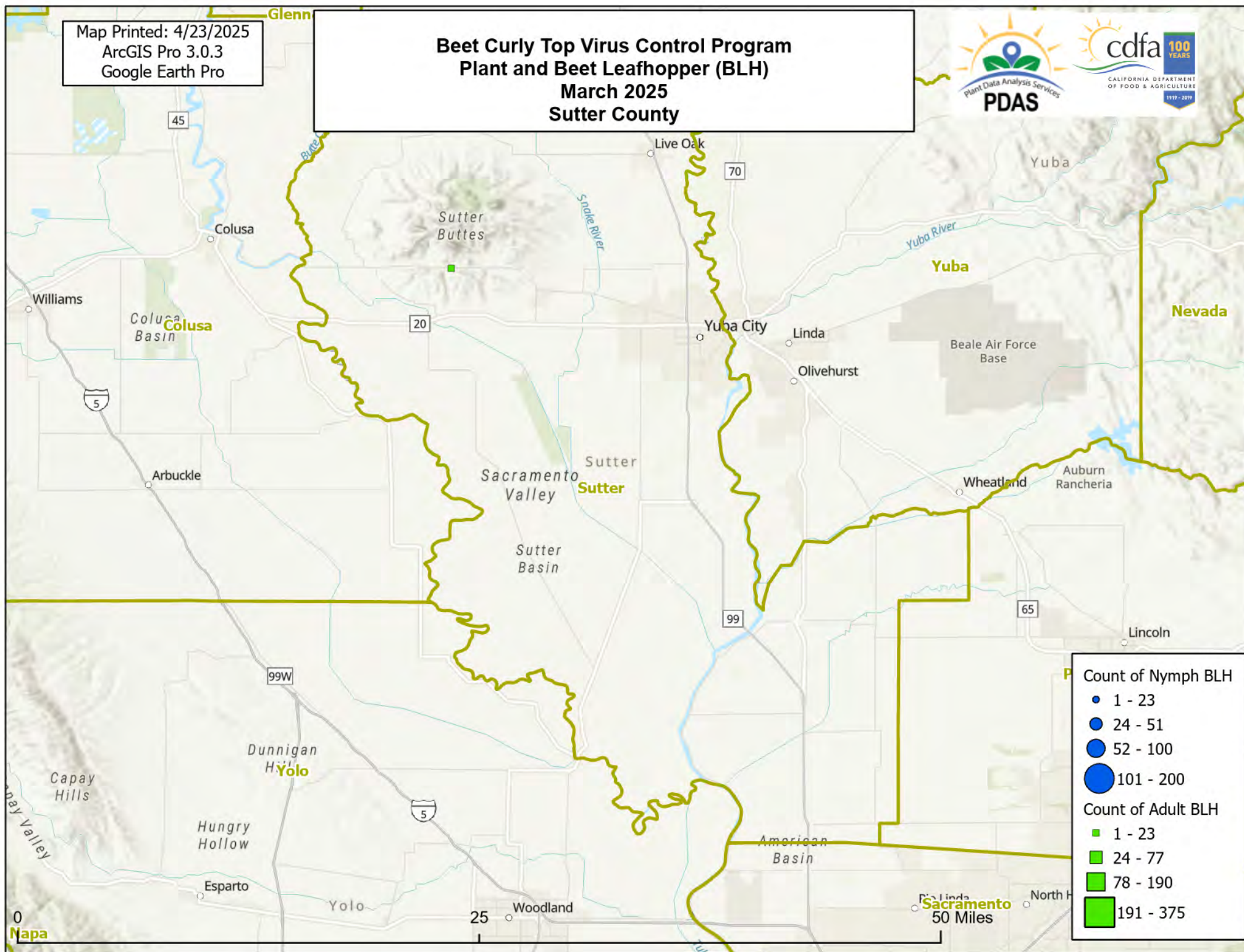
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

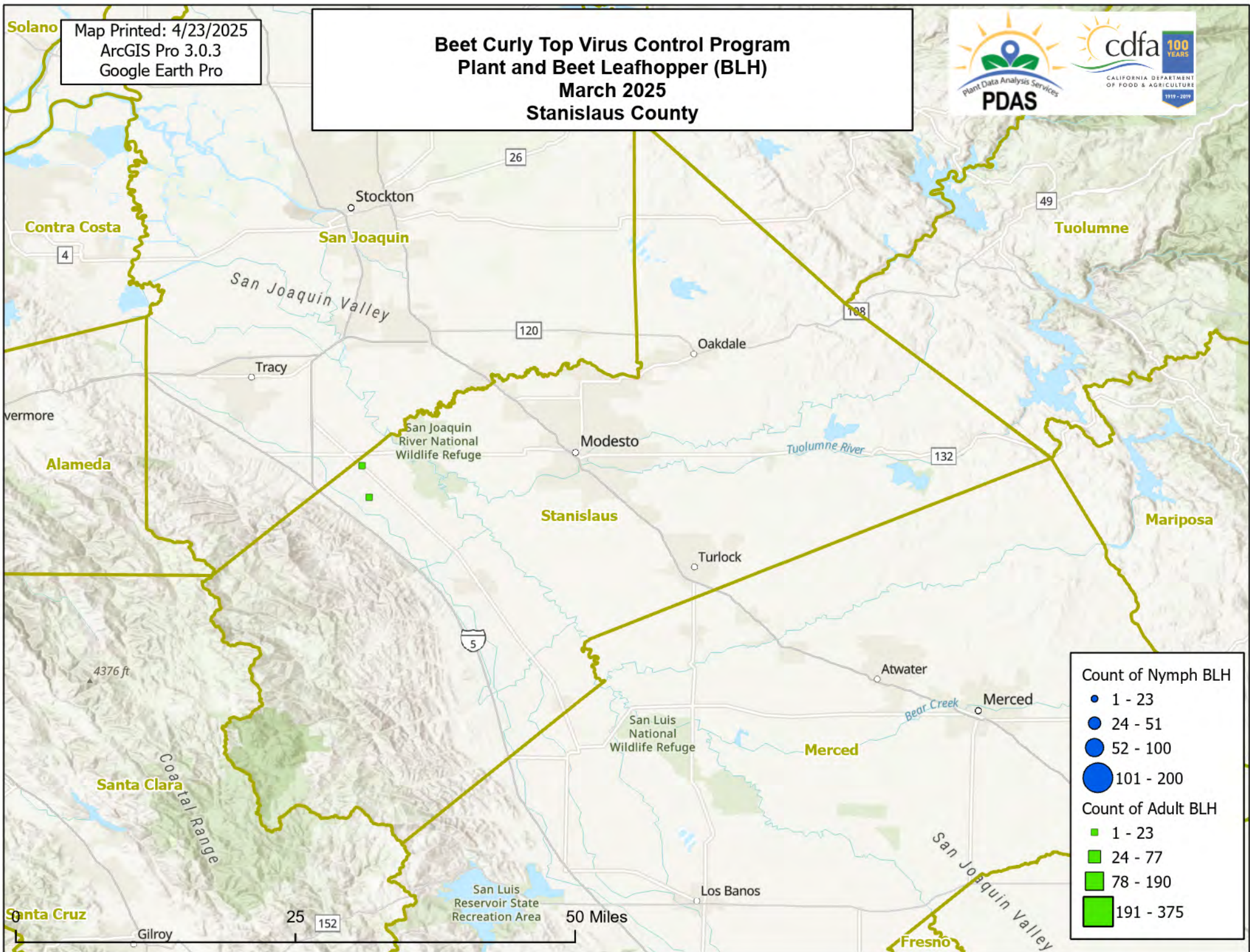


Count of Nymph BLH

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

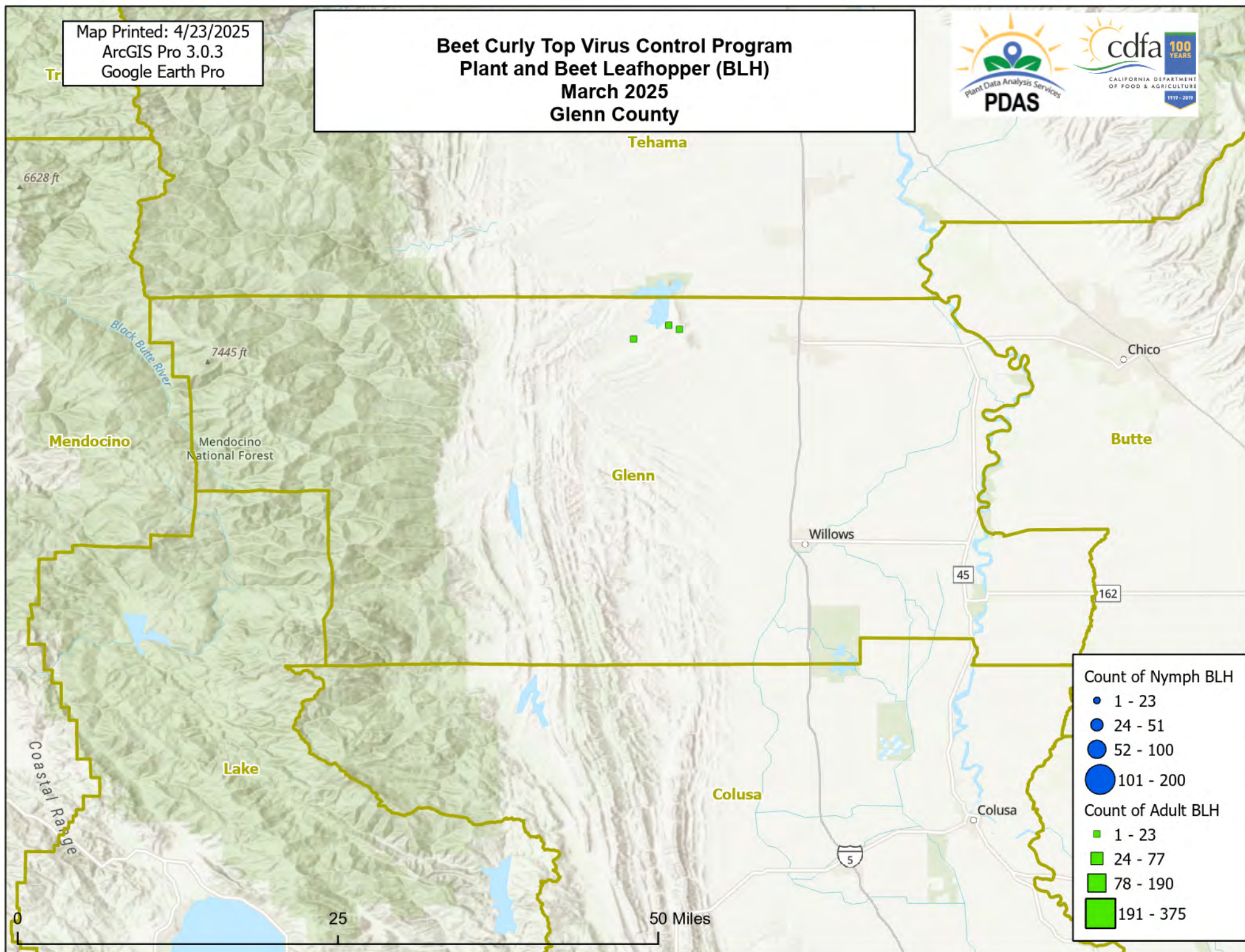
Count of Adult BLH

- 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) March 2025 Glenn County



Map Printed: 4/23/2025
ArcGIS Pro 3.0.3
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Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) March 2025 Butte County



National

Sacramento
River National
Wildlife Refuge

Tehama

Plumas

Butte

Sierra

Glenn

Willows

Lake Oroville
State
Recreation Area

Yuba

Colusa

Sutter

Live Oak

South Yuba
River State Park

Placer

Count of Nymph BLH

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

Count of Adult BLH

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

50 Miles

Map Printed: 7/10/2025
ArcGIS Pro 3.5.0
Google Earth Pro

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

