

Beet Curly Top Virus Control Program

Monthly Report

California Department of Food and Agriculture
Plant Health and Pest Prevention Services
Integrated Pest Control Branch
2895 N. Larkin Ave, Suite A
Fresno, CA 93727
Phone: (559) 294-2031
Fax: (559) 294-2037



April 2025

Program Update

- In April, 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, Tulare, and Colusa counties.
- BLH counts remained low in all survey areas statewide (0-4 BLH per sweep set). There are a couple of hot spots in Fresno and Kings County (0-6 BLH per sweep set).
- Host Vegetation is drying out and being cleared. BLH are congregating on limited areas available to them. London Rocket, Mallow, Filaree, and Peppergrass are starting to die off but Goosefoot, Pigweed, Bassia, and Russian Thistle are emerging in fallows and roadsides.
- Aerial and Ground Rig control Treatments were performed throughout the month of April in Fresno and Kings County.
- Program staff will continue to monitor host vegetation and population developments on roadsides and fallow fields.
- On April 2, The Program was invited to speak at the Antioch PAPA Seminar hosted by in Contra Costa County.
- 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

April County Average BLH Counts				
<u>County</u>	<u>2022</u>	<u>2023</u>	<u>2024</u>	<u>2025</u>
Fresno	3.4	0.4	0.5	1.8
Kings	9.0	0.6	1.1	3.0
Kern	3.1	1.0	0.2	0.7
Madera	-	-	0.03	-
Merced	-	0	0.06	0.8
Butte	-	-	0.2	0.09
Colusa	-	-	0.2	0.08
Glenn	-	-	0.3	0.4
Sacramento	-	-	0.03	0.6
San Joaquin	-	0.01	0.2	0.2
Stanislaus	-	0	0.3	0.08
Sutter	-	-	0.1	0.2
Solano	-	0	0.01	0.1
Yolo	-	0.1	0.04	0.2
Tulare	-	-	-	1.1

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	-	-	-

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. There was a few areas that had some high levels of BLH activity (10-50 BLH per sweep set).
- Host plant vegetation surveyed included Mallow, Filaree, Plantago, Mustards, Russian Thistle, Salt Bush Shepherd's Purse, Bassia, 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>
Big C	4/3/2025	3.2
Domegine	4/3/2025	1.3
S Derrick Ave	4/3/2025	0.4
Three Rocks	4/3/2025	0.3
N Oxford Ave	4/3/2025	0.4
Jacalitos	4/7/2025	1.7
Gyp Pits	4/7/2025	0.7
W Manning Ave	4/7/2025	1.0
W Harlan Ave	4/7/2025	0.2
Cantua Creek	4/7/2025	4.2

W Mount Whitney Ave	4/7/2025	4.6
Helm	4/8/2025	0.1
San Joaquin	4/8/2025	1.1
Coalinga	4/9/2025	0.1
Mendota	4/9/2025	0.9
Firebaugh	4/9/2025	0.8
Firebaugh	4/10/2025	0.2
Mendota	4/10/2025	0.3
Five Points	4/10/2025	2.6
Big C	4/10/2025	2.2
W Lost Hills Rd	4/10/2025	1.5
Coalinga	4/14/2025	4.1
Three Rocks	4/14/2025	0.6
Levis	4/14/2025	2.7
Coalinga	4/15/2025	3.9
Coalinga	4/16/2025	8.3
San Joaquin	4/16/2025	3.9
Cantua Creek	4/17/2025	0.1
Five Points	4/17/2025	0.2
Firebaugh	4/22/2025	0.7
Levis	4/23/2025	5.4
Levis	4/24/2025	3.0
Coalinga	4/24/2025	0.2
Levis	4/28/2025	0.2
Mendota	4/28/2025	0.2
Mendota	4/30/2025	0.9
Firebaugh	4/30/2025	0.6

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 Mallow, Russian Thistle, Bassia, Mustards, Goosefoot, London Rocket, Lamb's Quarter and Pig Weed.
- 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>
Buena Vista Hills	4/7/2025	0.2
Buttonwillow	4/7/2025	0.3
Tupman	4/7/2025	0.2
Elk Hills	4/8/2025	0.4
Shooting Range	4/9/2025	1.4
36 Hills	4/10/2025	0.9
San Emidio	4/14/2025	0.4
Bowerbank	4/14/2025	0.6
Millux	4/15/2025	0.2
San Emidio	4/15/2025	1.0
Buttonwillow	4/15/2025	0.3
San Emidio	4/16/2025	0.2
Bowerbank	4/16/2025	0.3
Buttonwillow	4/17/2025	0.2
San Emidio	4/17/2025	0.1
Dustin Acres	4/21/2025	0.6
San Emidio	4/21/2025	0.9
Buttonwillow	4/21/2025	0.6
Bowerbank	4/21/2025	0.9
Bowerbank	4/22/2025	1.3
Lokern	4/22/2025	6.2
Millux	4/22/2025	0.8
Buttonwillow	4/23/2025	1.3
Lokern	4/23/2025	2.8
Wheeler Ridge	4/24/2025	0.4
Buttonwillow	4/24/2025	3.4
Spicer City	4/28/2025	0.8
Buttonwillow	4/29/2025	1.2
Millux	4/29/2025	1.0
Valley Acres	4/29/2025	1.0
Lost Hills	4/29/2025	0.2
San Emidio	4/30/2025	0.8
Buttonwillow	4/30/2025	1.7

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 0-4 BLH per sweep set. There was a few areas that had some high levels of BLH activity (10-50 BLH per sweep set).
- Host plant vegetation surveyed included Goosefoot, London Rocket, Russian Thistle, Bassia, Mustards, Filaree 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>
Kettleman Hills n/o 41	4/3/2025	2.8
25th Ave	4/7/2025	1.9
Utica Ave	4/7/2025	1.6
25th Ave	4/8/2025	2.9
Kettleman hills s/o 41	4/8/2025	3.5
Utica Ave	4/9/2025	4.1
Rd 16	4/9/2025	1.4
Kettleman Hills n/o 41	4/9/2025	3.4
25th Ave	4/10/2025	1.7
Tehama Ave	4/10/2025	6.3
Kettleman City	4/14/2025	5.5
Vanguard	4/14/2025	6.0
Corcoran	4/15/2025	5.6
25th Ave	4/15/2025	5.3
Stratford	4/16/2025	0.5
Utica Ave	4/16/2025	2.6
25th Ave	4/17/2025	0.2
21st Ave	4/21/2025	5.4
Dairy Ave	4/21/2025	3.4
Utica Ave	4/22/2025	12.9
Homeland Canal	4/22/2025	2.9
Tuscon Ave	4/23/2025	9.6
Dairy Ave	4/23/2025	8.5
Utica Ave	4/23/2025	3.3
Kettleman City	4/24/2025	1.5
Dairy Ave	4/30/2025	0.3

Madera County

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

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, and 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 sweep set</u>
S Pole Line Rd W	4/9/2025	1.2
S Pole Line Rd W	4/24/2025	2.1
Pole Line Rd	4/24/2025	0.8
Mervel Ave	4/24/2025	0.4
Los Banos	4/24/2025	0.2
Gustine	4/24/2025	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 0-2 BLH per sweep set.
- Host vegetation surveyed included Filaree, Mallow, Mustards, Russian Thistle, Bassia, Pig Weed, and Kochia.
- 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	4/8/2025	0.9
Stark Rd	4/8/2025	0.6
Ripon	4/10/2025	1.0
Tracy	4/22/2025	0.7
Finck Rd	4/22/2025	0.4

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 Filaree, Mallow, and Mustards.
- 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>
St Hwy 20	4/7/2025	0.4
Cortena	4/21/2025	0.8
Maxwell	4/21/2025	0.2
Colusa	4/24/2025	0.2
Arbuckle	4/24/2025	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, Filaree, Bindweed, and Kochia.
- 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>

Dunnigan	4/7/2025	1.8
Knights Landing	4/9/2025	0.4
Zamora	4/21/2025	0.3
Dunnigan	4/21/2025	0.4

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, Kochia, Russian Thistle, 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>
West Butte	4/15/2025	0.9
Kirkville	4/28/2025	0.5
Tisdale	4/28/2025	0.7

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, Russian Thistle, 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>
Newman	4/3/2025	0.08
Westley	4/3/2025	0.1
Patterson	4/17/2025	0.2

Vernalis	4/17/2025	0.3
----------	-----------	-----

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, Purslane, Pig Weed, Goosefoot, Bindweed, 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>
Artois	4/15/2025	0.4
County Rd 200A	4/15/2025	3.0
Norman	4/16/2025	0.4
Norman	4/28/2025	0.4
Artois	4/28/2025	1.0

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, Bindweed, Kochia, 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>
Cana	4/14/2025	0.6
Dodgeland	4/30/2025	0.2
Dayton	4/30/2025	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>
Isleton	4/22/2025	0.4
Herald	4/23/2025	1.3
Hood	4/23/2025	0.6

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, Bindweed, 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>
Dixon	4/17/2025	0.1
Pleasants Valley Rd	4/17/2025	0.2
Dixon	4/30/2025	0.6

Tulare 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.

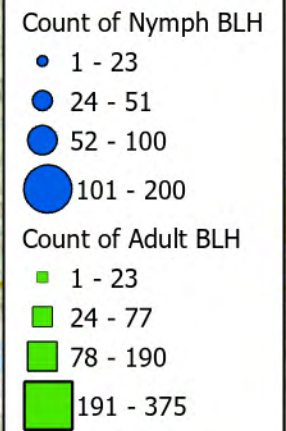
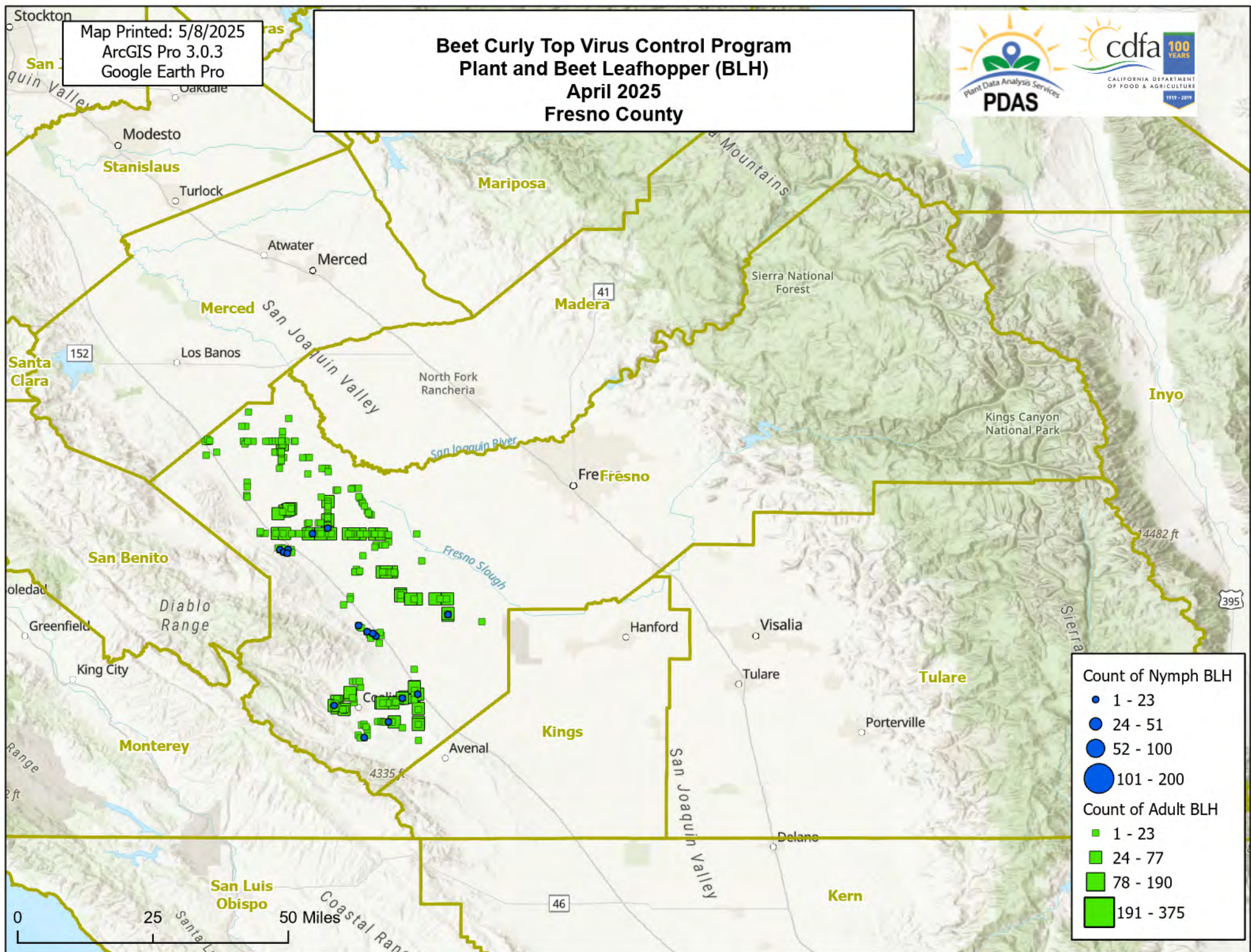
- Host vegetation surveyed included Bassia, London Rocket, and Mallow.
- A map identifying BLH counts is provided at the end of the report.

Tulare County BLH Survey		
<u>Location</u>	<u>Date</u>	<u>Average # of BLH per sweep set</u>
Alpaugh	4/3/2025	0.1
Alpaugh	4/9/2025	4.2
Alpaugh	4/23/2025	1.0

To subscribe to the BCTV monthly report, updates, and alerts, please use the link below:
www.cdfa.ca.gov/subscriptions/

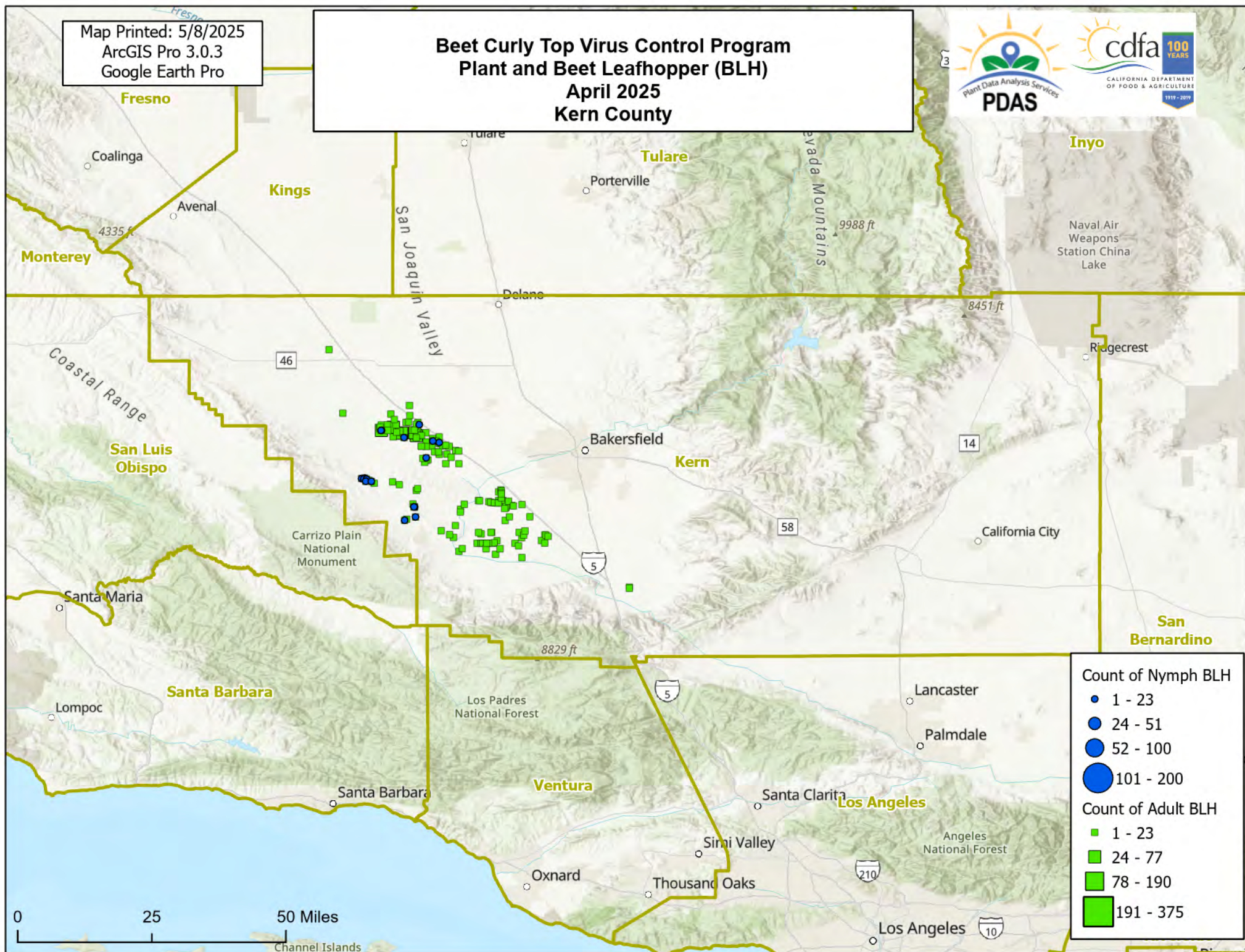
Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

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

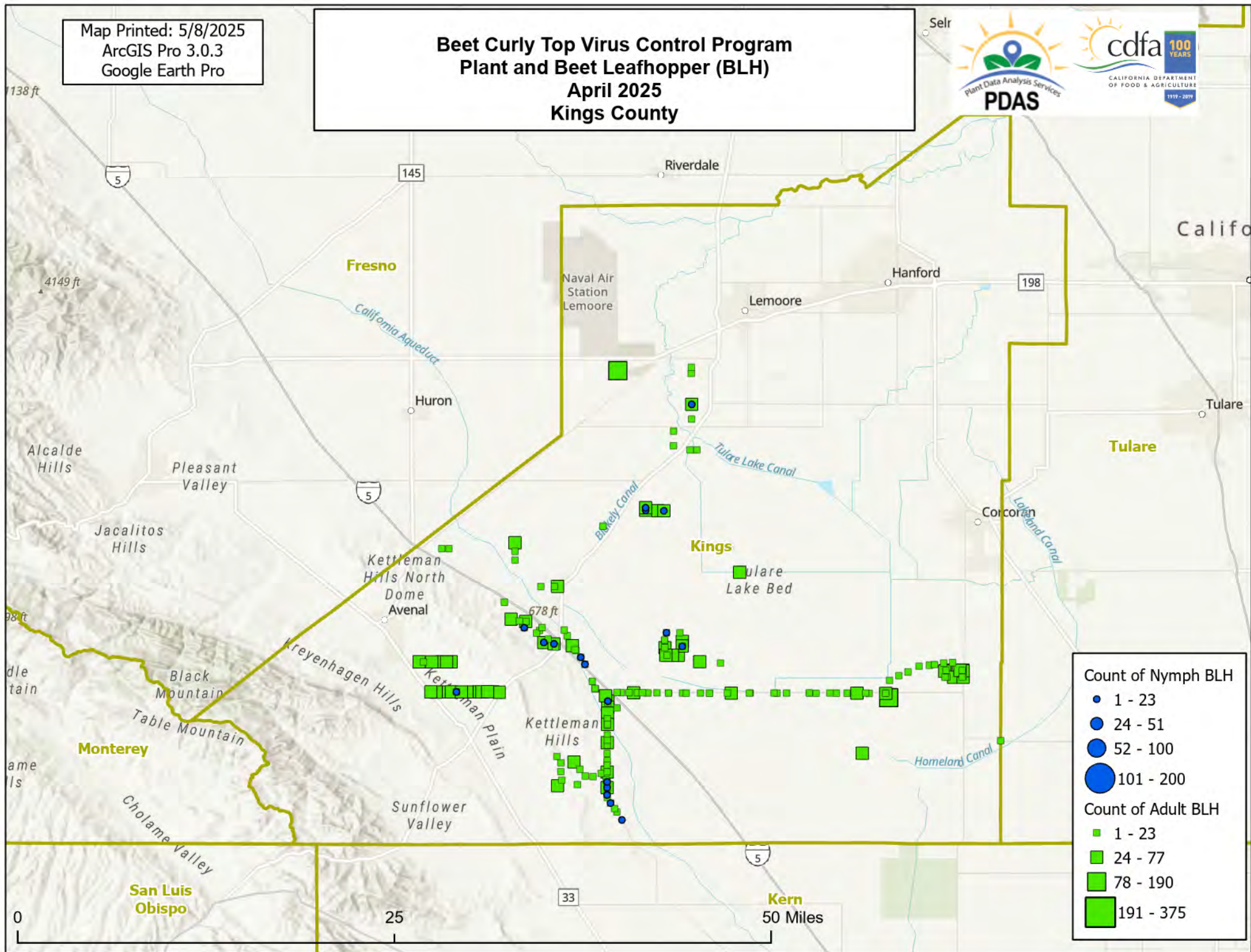
Count of Adult BLH

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

Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

Selr

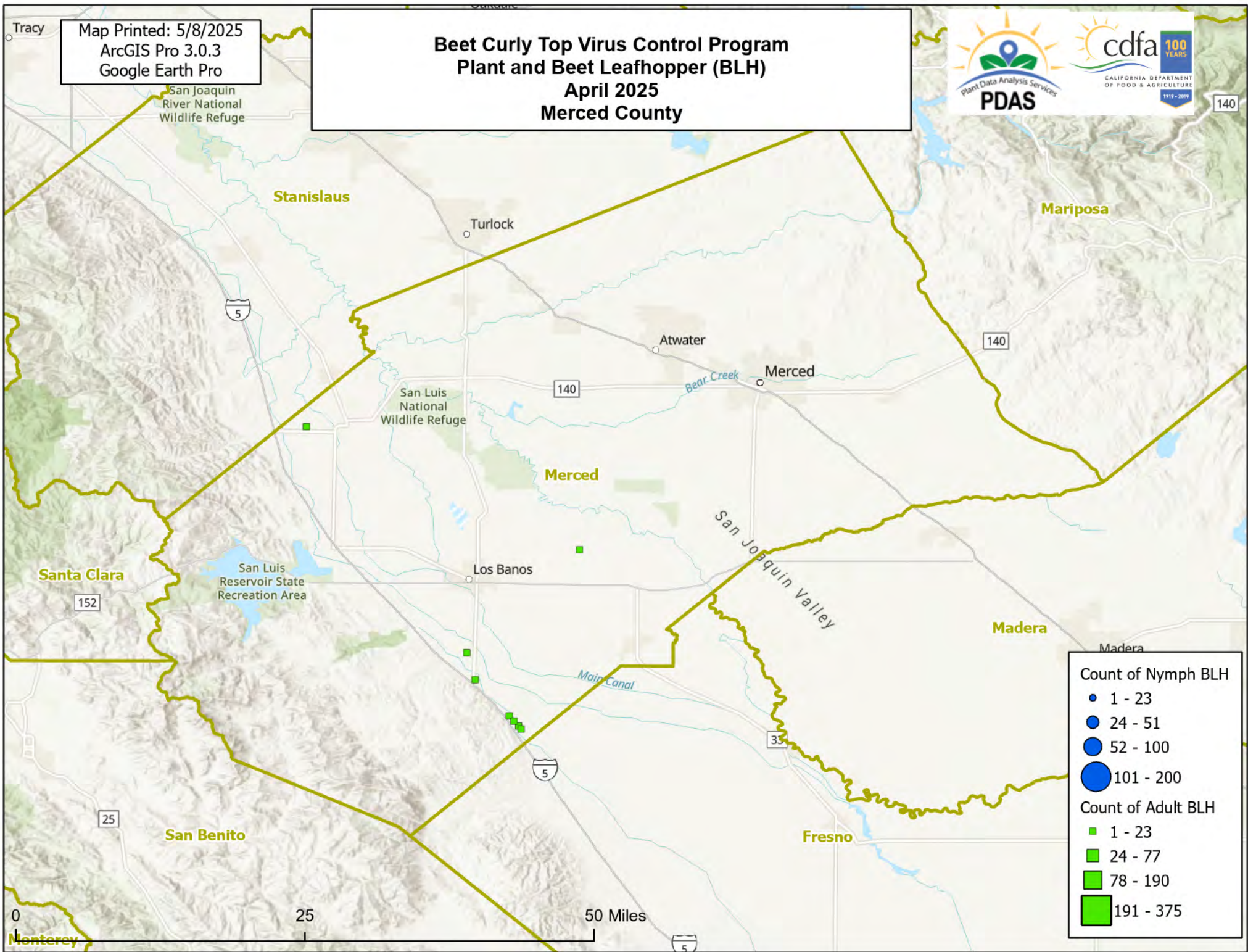


Count of Nymph BLH

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

Count of Adult BLH

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

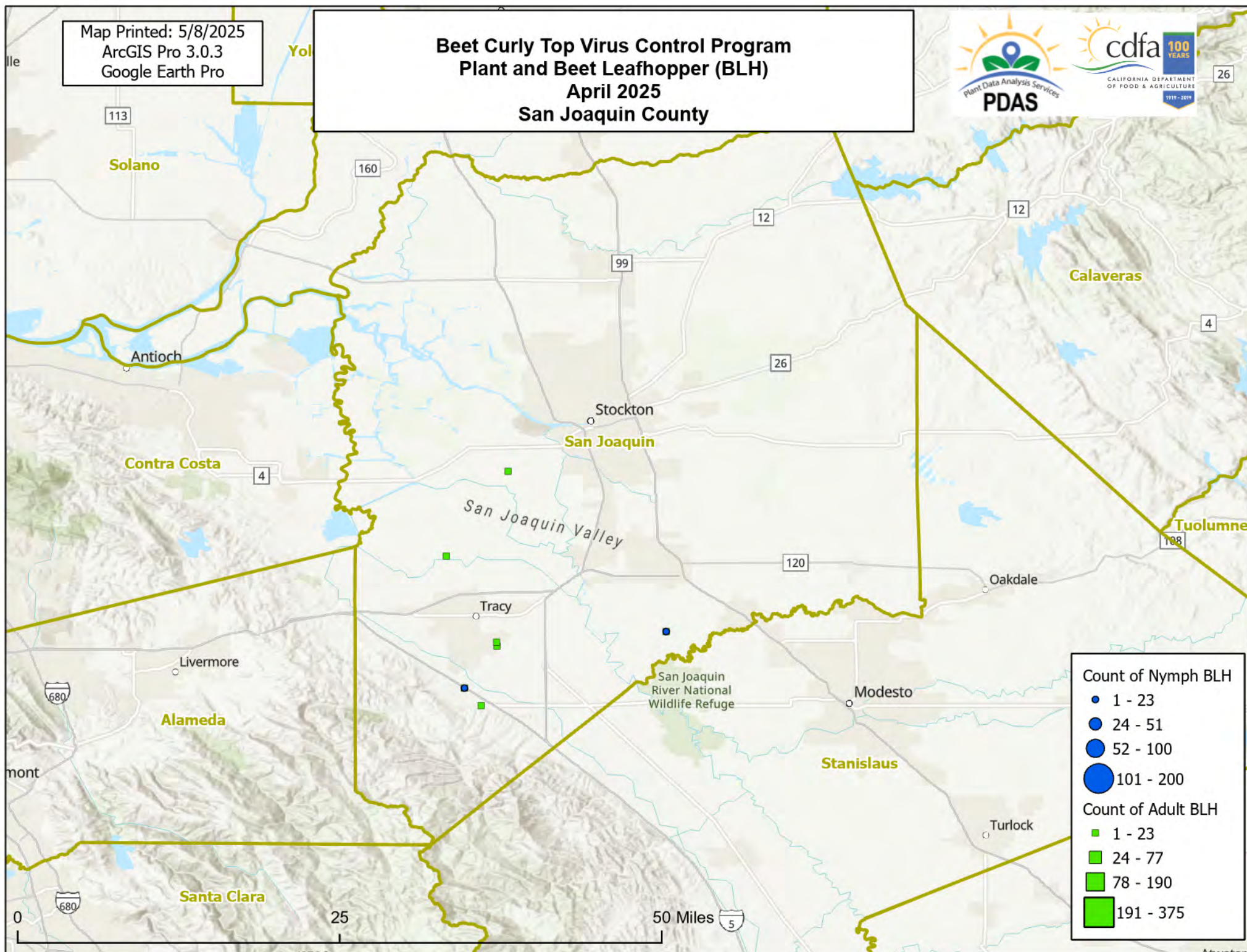


Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



26



Count of Nymph BLH

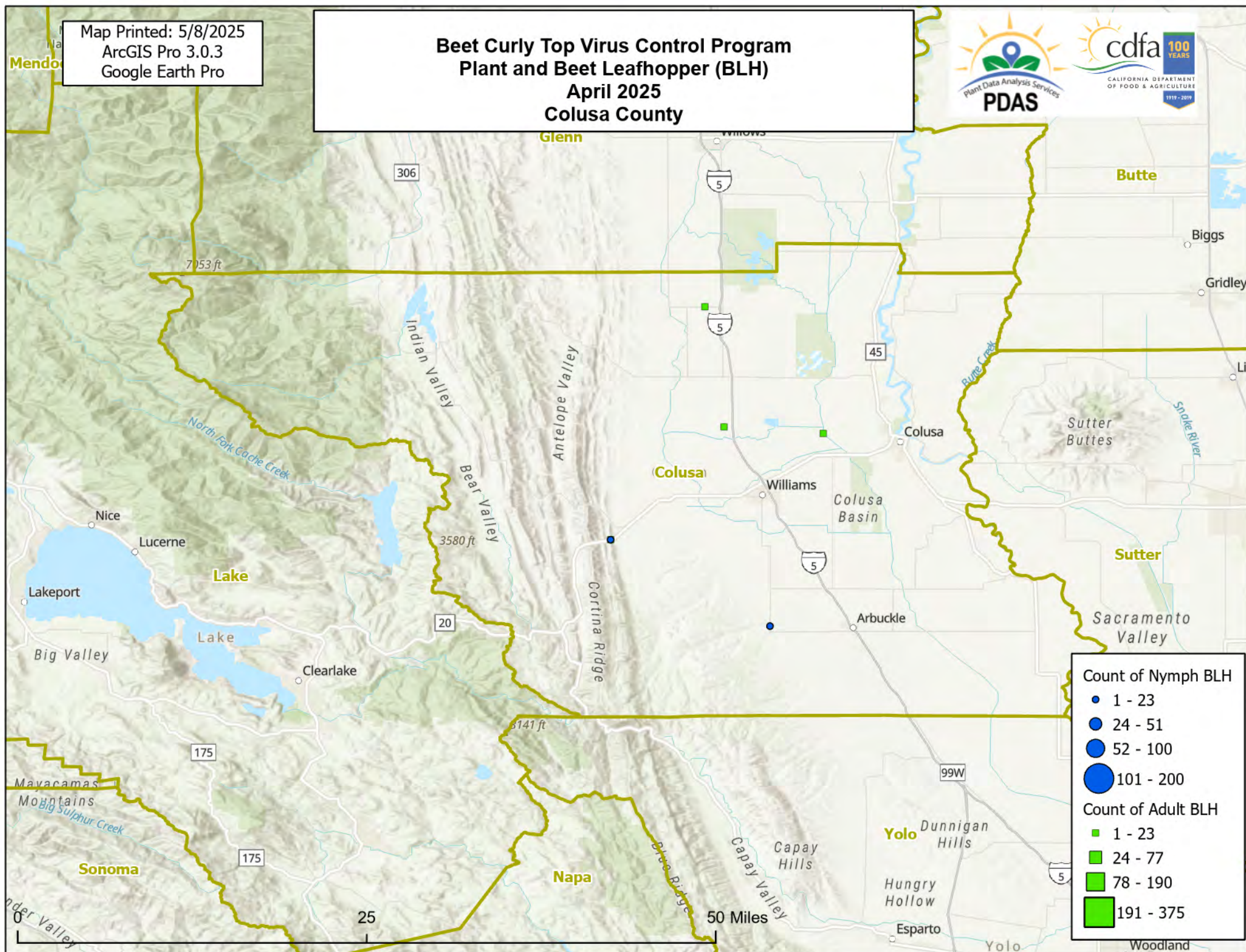
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Count of Nymph BLH

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

Count of Adult BLH

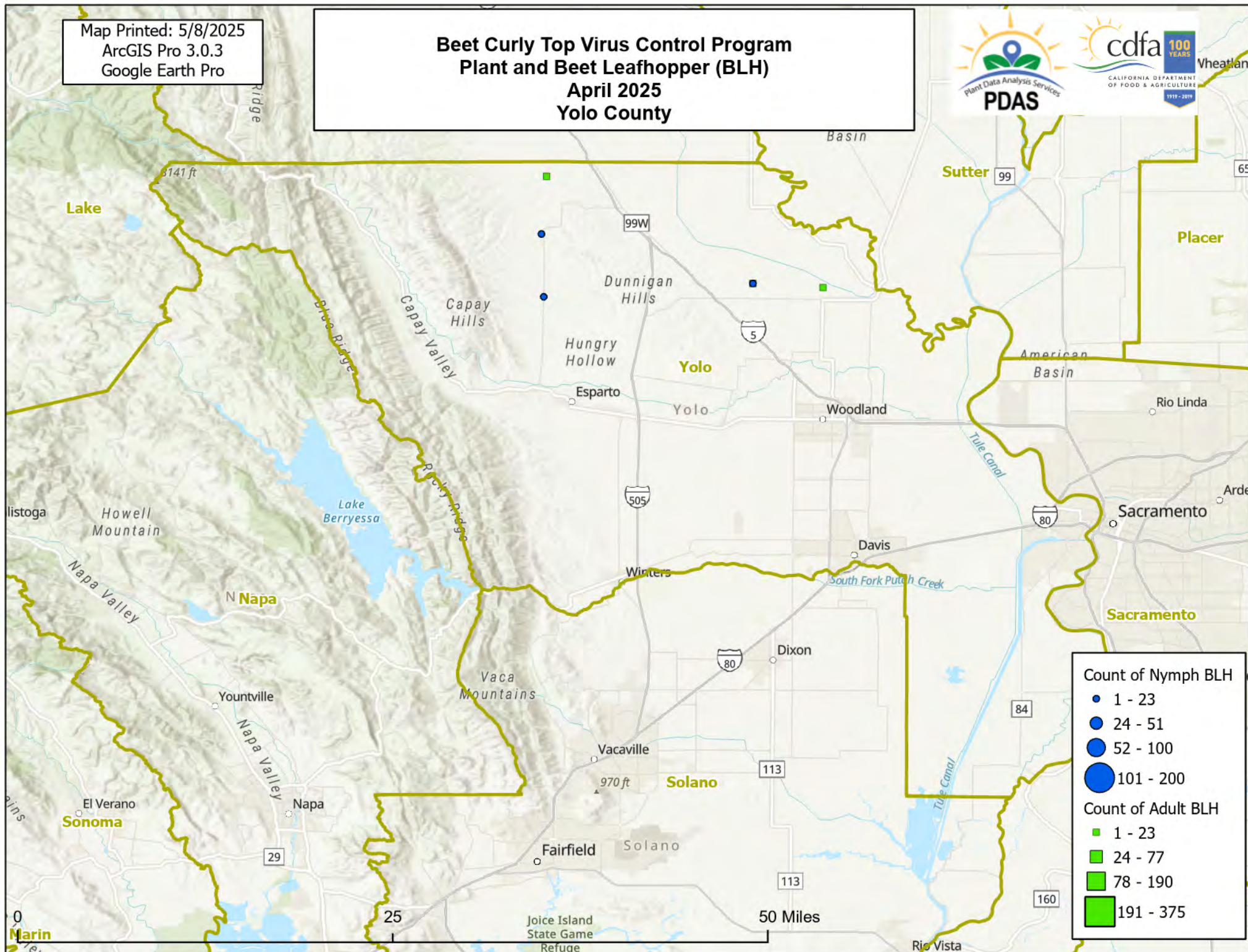
- 1 - 23
- 24 - 77
- 78 - 190
- 191 - 375

Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Wheatland



Count of Nymph BLH

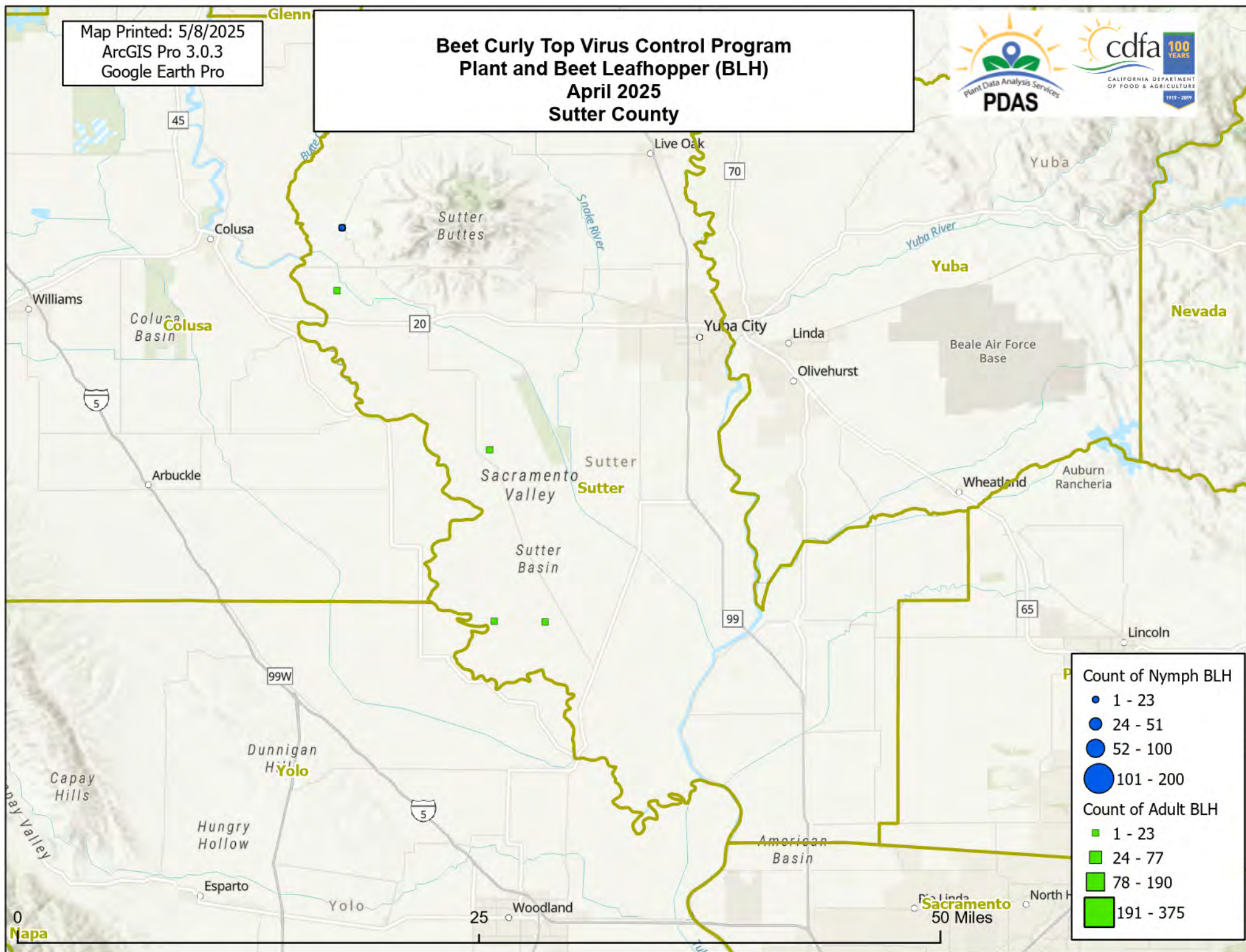
- 1 - 23
- 24 - 51
- 52 - 100
- 101 - 200

Count of Adult BLH

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

Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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

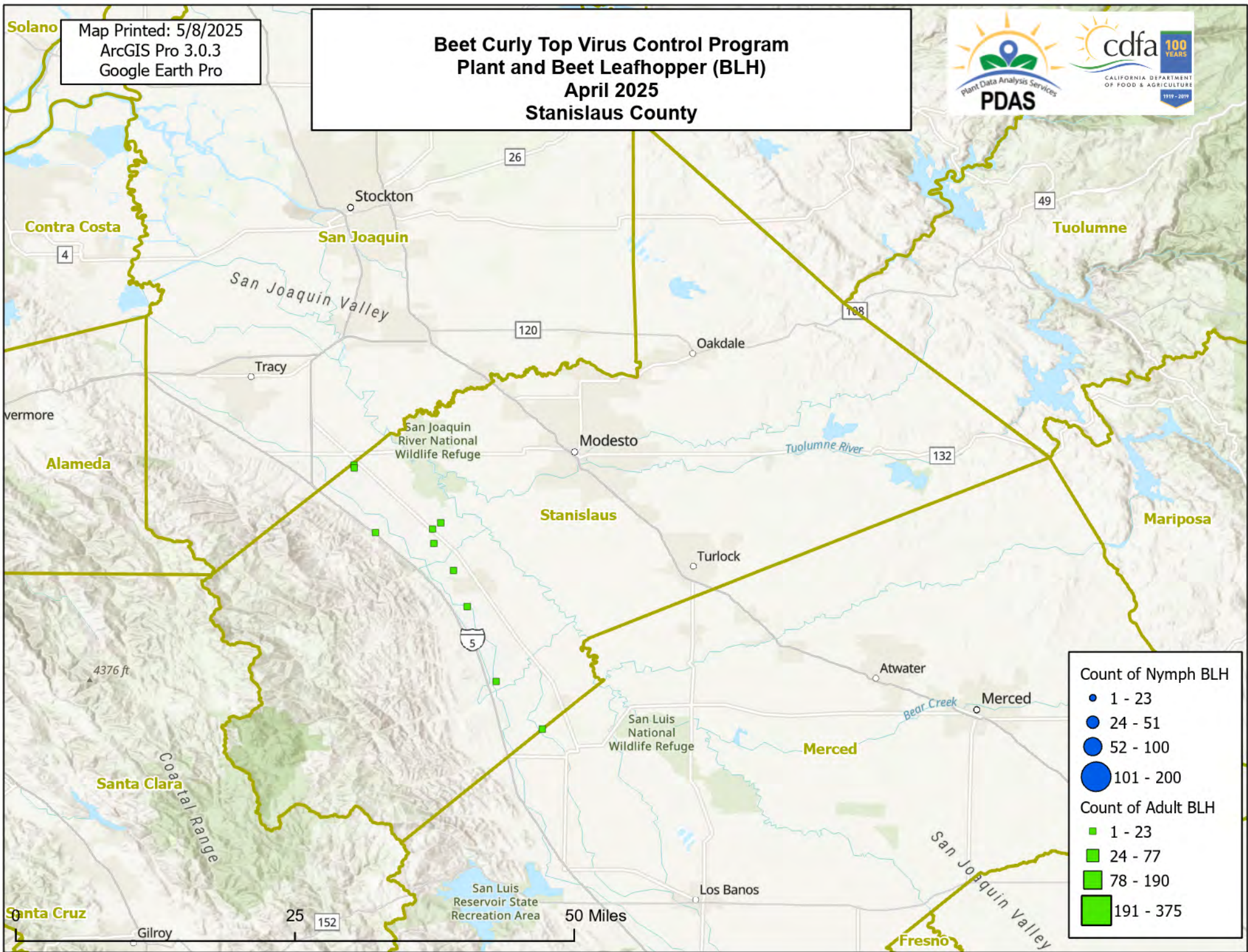


Count of Nymph BLH

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

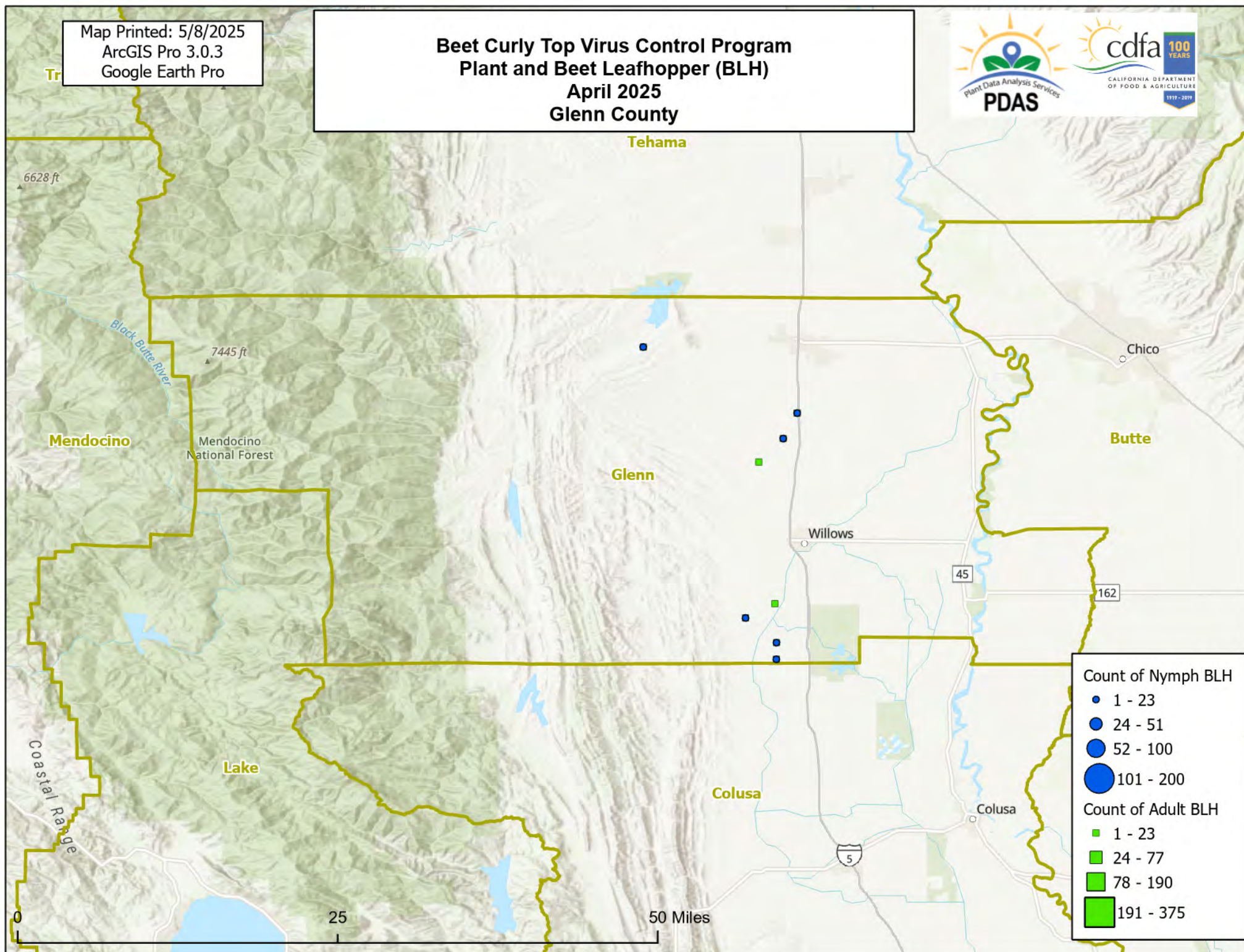
Count of Adult BLH

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



Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



National

Sacramento
River National
Wildlife Refuge

Tehama

Plumas

Paradise

Chico

Butte

Lake Oroville
State
Recreation Area

Sierra

Glenn

Willows

Colusa

Sutter

Yuba

South Yuba
River State Park

Live Oak

0

25

50 Miles

20

Count of Nymph BLH

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

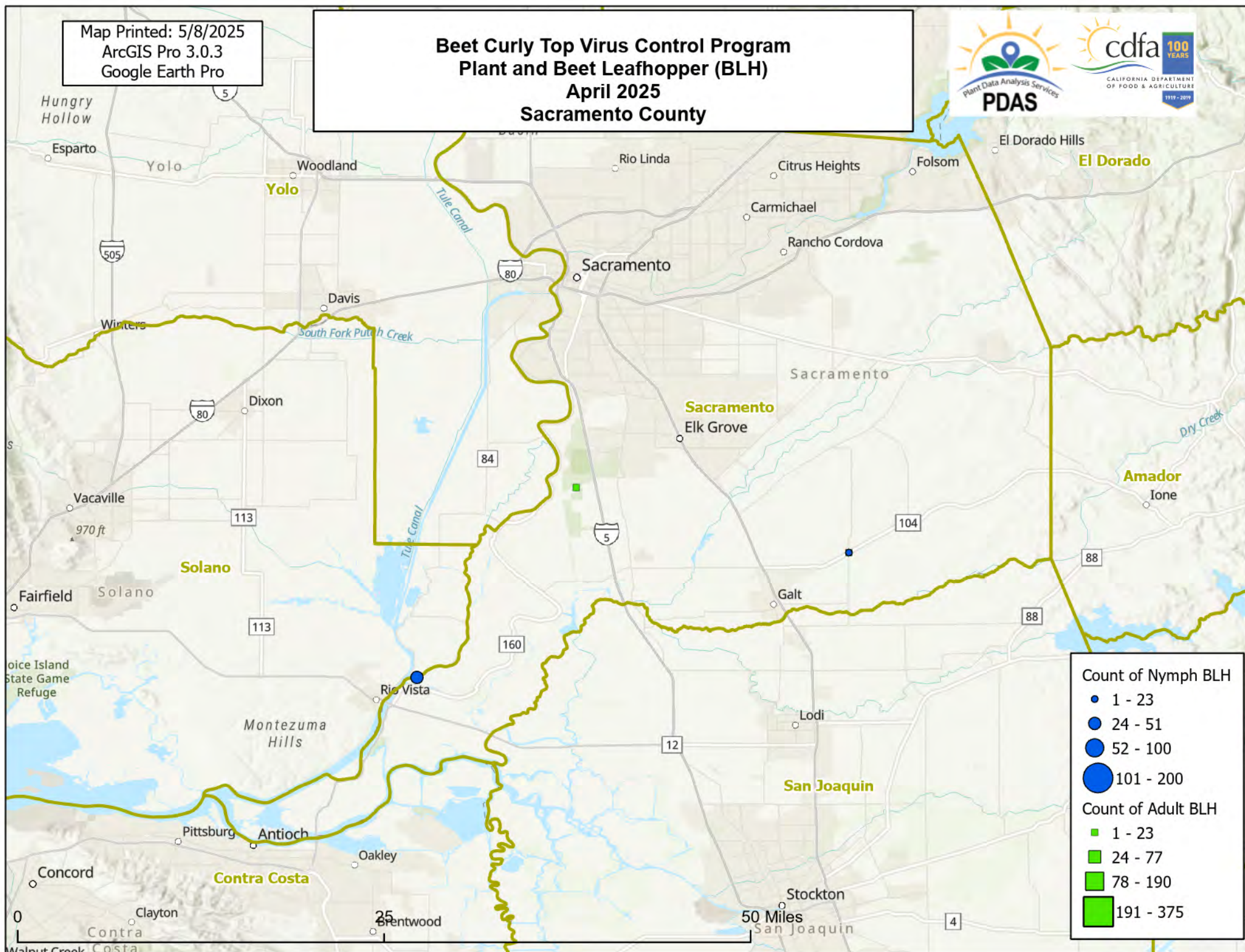
Count of Adult BLH

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

Placer

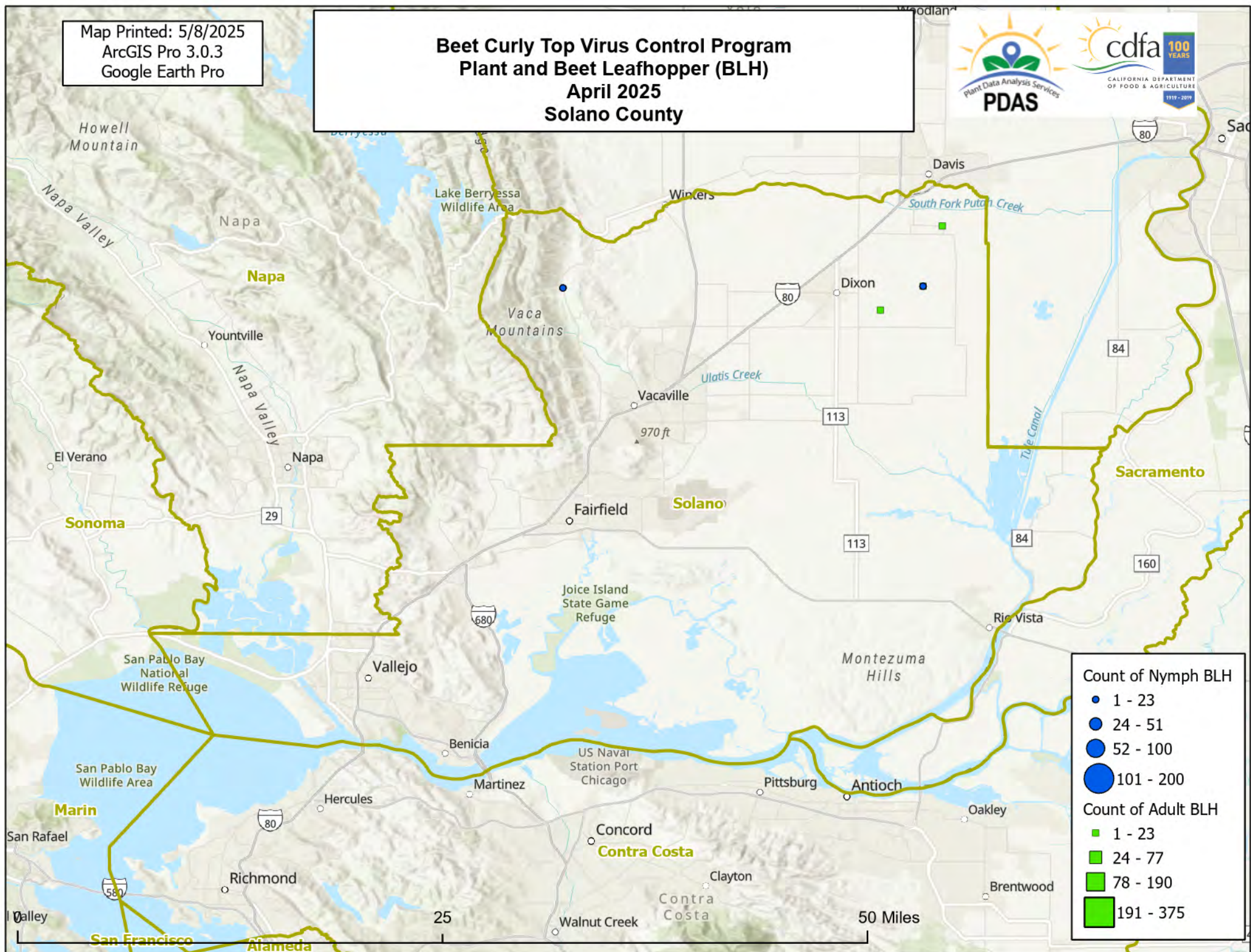
Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



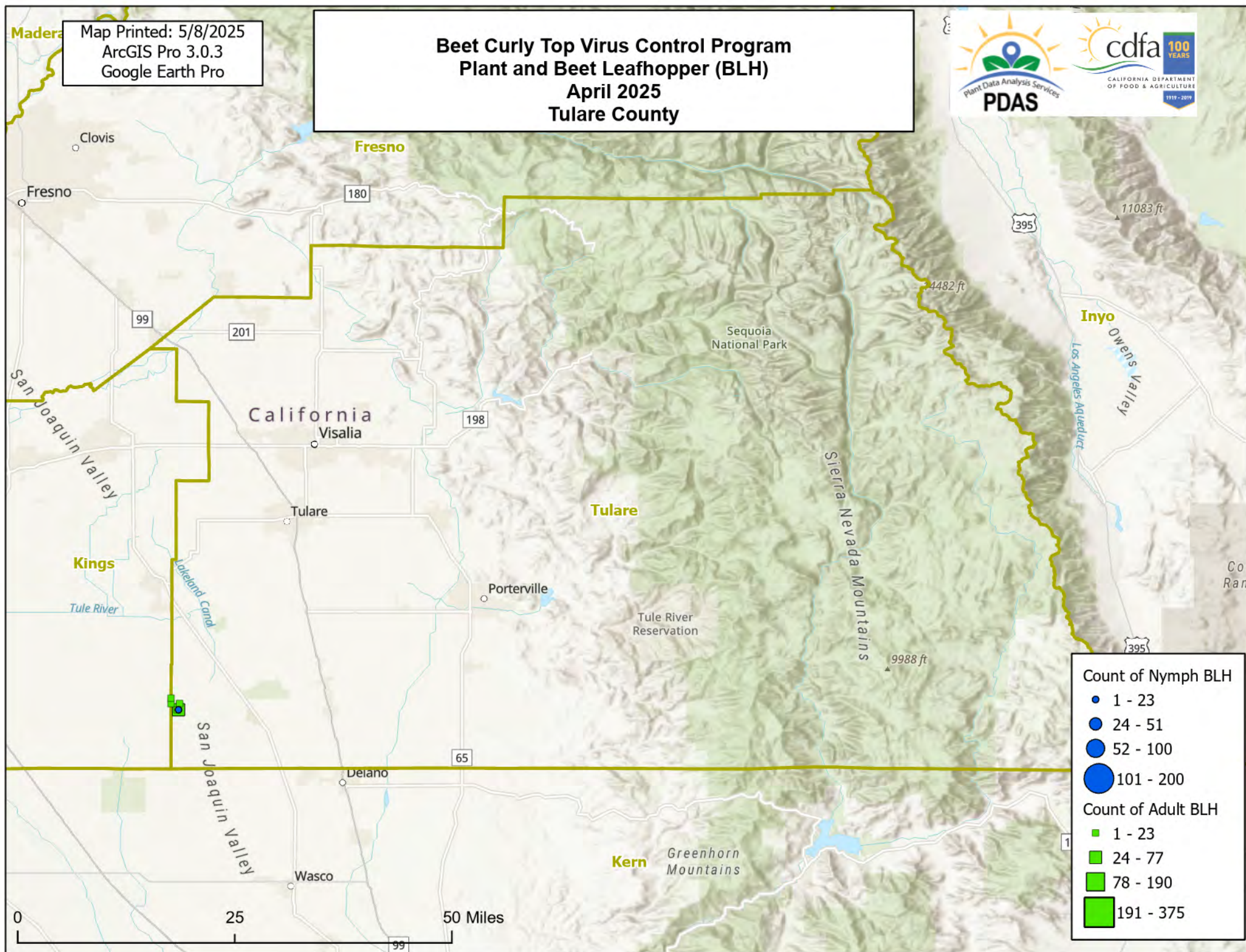
Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

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



Map Printed: 5/8/2025
ArcGIS Pro 3.0.3
Google Earth Pro

Beet Curly Top Virus Control Program Plant and Beet Leafhopper (BLH) April 2025 Tulare 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