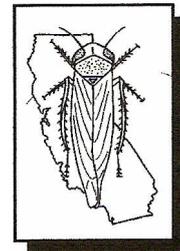


BEET CURLY TOP VIRUS MONTHLY REPORT



CURLY TOP VIRUS CONTROL PROGRAM

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Report for September 2021

Program Update

- In September, the Curly Top Virus (CTV) Control Program (Program) prepared for potential fall treatment in the San Joaquin Valley (SJV).
- Across the SJV floor, personnel continued to survey and map fallow fields with Russian thistle. Beet leafhopper (BLH) population counts remain low, averaging between zero and three (0-3) BLH per single (1) net sweep, with adults and 2nd-3rd instar nymphs observed.
- Fall treatment is contingent on BLH counts of eight (8) per single (1) net sweep; and timed to occur before the start of seasonal rain in late-October/November.
- In August, the Program sent waivers to property owners requesting permission to conduct treatments to control BLH as needed. As of September 30th, only 25 percent of waivers had been returned. Program personnel are attempting to contact property owners to ensure a successful fall treatment, should it be necessary.
- By the end of September, some fallow fields had been disked while others had seen vegetation die off, reducing the potentially treatable acreage to 6,032 from the 9,258 mapped in August.
 - Fresno County: 1,000 Acres (reduced from 3,289)
 - Kern County: 1,177 Acres (reduced from 1,474)
 - Kings County: 3,855 Acres (reduced from 4,495)
- The Program received updated pathology results from samples submitted between May and June. In total, there were 65 BCTV-negative and 15 BCTV-positive BLH samples, with one BCTV-negative tomato sample. Please see the table below for county-specific results.

BCTV Pathology Results by County					
	Kings	Imperial	Merced	Riverside	Stanislaus
Negative BLH	39	1	1		24
Positive BLH	9	1		2	3
Negative Tomato					1

- Please visit the Program's Webpage to view all previously published 2021 reports. https://www.cdfa.ca.gov/plant/ipc/curlytopvirus/ctv_hp.htm
- For program inquiries or questions regarding this report, please contact Samuel Krasnobrod at Samuel.Krasnobrod@cdfa.ca.gov.

County Reports:

Fresno County

- Fallow Field Survey, Firebaugh, 9/13/2021
 - Adult BLH: 2-3 per 1 sweep
 - Three fields were surveyed. BLH counts ranged from zero to two (0-2) in one field, to as many as five (5) per single net sweep in another.
- Fallow Field Survey, Panoche Creek, 9/14/2021
 - Adult BLH: 2-3 per 1 sweep
 - Three fields were surveyed.
- Fallow Field Survey, Cantua Creek, 9/15/2021
 - Adult BLH: 1-3 per 1 sweep
 - Two fields were surveyed, along with stretches of roadside vegetation.
- Fallow Field Survey, Five Points, 9/16/2021
 - Adult BLH: 2-3 per 1 sweep
 - Four fields were surveyed.
- Fallow Field Survey, Firebaugh, 9/20/2021
 - Adult BLH: 0-1 per 1 sweep
 - Survey took place on fallow fields and along roadsides near Firebaugh and out to Tranquility. Roadside vegetation was minimal and two new fallow fields were mapped.
- Fallow Field Survey, Panoche Creek, 9/21/2021
 - Adult BLH: 2-3 per 1 sweep
 - Three fields were surveyed, along with stretches of roadside vegetation.
- Fallow Field Survey, Five Points, 9/22/2021
 - Adult BLH: 3-5 per 1 sweep
 - Two fields were surveyed, along with stretches of roadside vegetation. Two nearby fields had recently been disked.
- Fallow Field Survey, Firebaugh, 9/28/2021
 - Adult BLH: 1-3 per 1 sweep
 - Three fields were surveyed.
- Fallow Field Survey, Tracy, 9/29/ 2021
 - Adult BLH: 2-3 per 1 sweep
 - One field was surveyed, along with stretches of roadside vegetation.
- Fallow Field Survey, Five Points, 9/30/2021
 - Adult BLH: 1-2 per 1 sweep
 - Four fields were surveyed, along with stretches of roadside vegetation.

Kern County

- Fallow Field Survey, Lost Hills, 9/1/2021
 - Adult BLH: 0-1 per 1 sweep
 - Nymph BLH: 0-1 per 1 sweep (2nd and 3rd instar nymphs)
- Fallow Field Survey, Lost Hills, 9/27/2021
 - Adult BLH: 0-1 per 1 sweep
 - Nymph BLH: 0-1 per 1 sweep
 - Conditions remained consistent throughout September. Approximately 440 acres of fallow fields had been disked.

Kings County

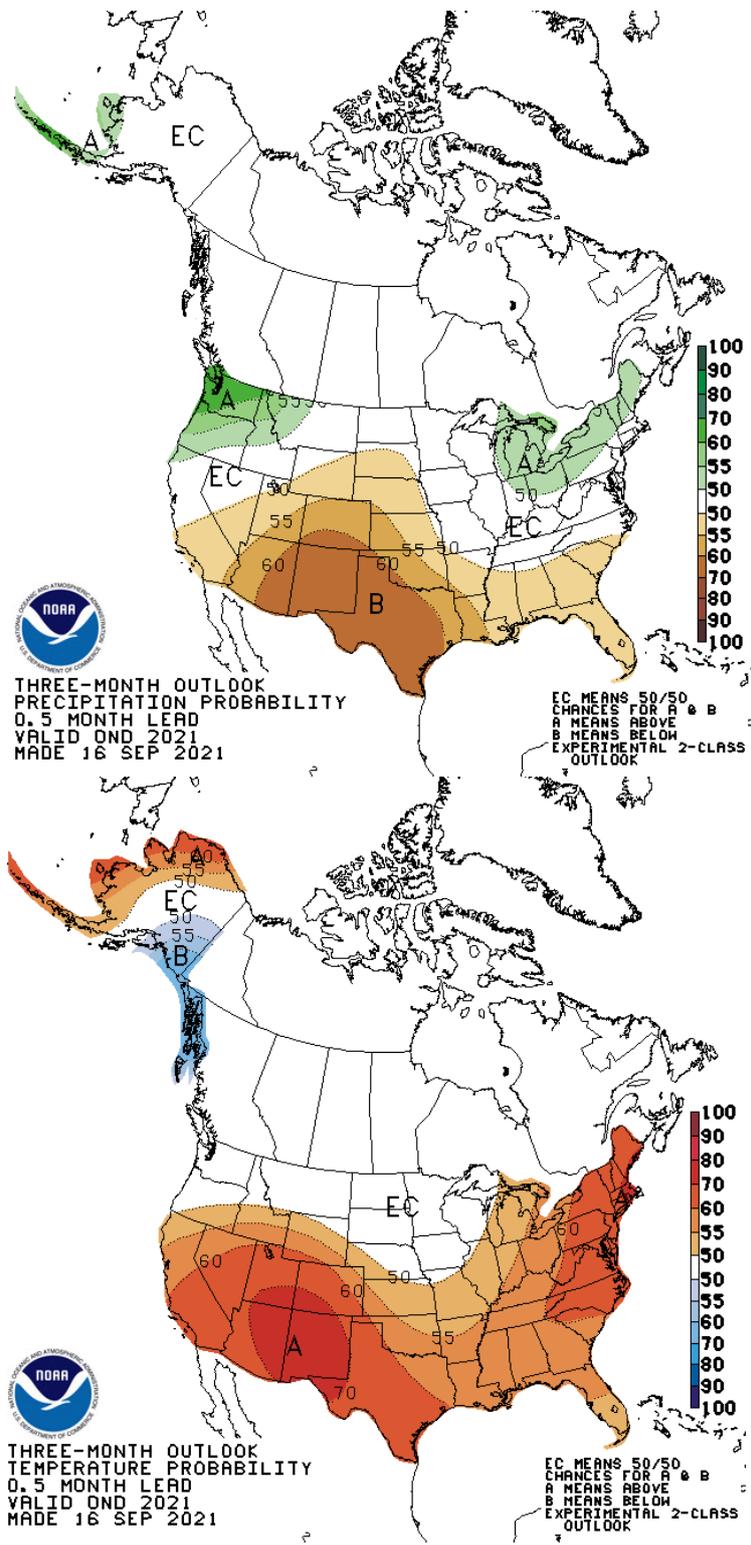
- Fallow Field Survey, Kettleman City, 9/1/2021
 - Adult BLH: 0-1 per 1 sweep
 - Nymph BLH: 0-1 per 1 sweep (2nd instar nymphs)
 - Primary host weed: Russian thistle, Chenopodium
- Fallow Field Survey, Kettleman City, 9/14/2021
 - Adult BLH: 0-1 per 1 sweep
 - Primary host weed: Russian thistle
 - Survey covered a region stretching from Reef City to Avenal along Hwy 33. Roadside vegetation along Utica Ave was recently mowed.
- Fallow Field Survey, Utica, 9/23/2021
 - Adult BLH: 0-1 per 1 sweep
 - Nymph BLH: 0-1 per 1 sweep (2nd & 3rd instar nymphs)
 - Primary host weed: Russian thistle, Chenopodium
 - Survey took place along Utica Ave, continuing along 25th Ave and out to Hwy 33. Roadside vegetation was sporadic.
- Fallow Field Survey, Utica, 9/28/2021
 - Adult BLH: 0-2 per 1 sweep
 - Nymph BLH: 0-1 per 1 sweep
 - Primary host weed: Russian thistle
 - Russian thistle appeared stressed. Minimal BLH nymph activity.
 - By the end of September, approximately 640 acres of fallow fields had been disked.

Merced County

- Fallow Field Mapping, Gustine, 9/22/2021
 - Adult BLH: 0-1 per 1 sweep
 - Visual inspection of roadsides and fallow fields across Merced County, from Gustine to Firebaugh between I-5 and Hwy 33. No new fallow fields were mapped.
 - Stretches of Russian thistle and Chenopodium with low BLH counts were observed along roadsides.

Stanislaus County

- Fallow Field Mapping, 9/22/2021
 - Adult BLH: 0-1 per 1 sweep
 - Primary host weed: Russian thistle, Chenopodium
 - No new fallow fields were mapped. Roadside vegetation was minimal, with most having been recently mowed.



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www.cdfa.ca.gov/subscriptions/

To view the BCTV Program Website, use the link below:

https://www.cdfa.ca.gov/plant/ipc/curlytopvirus/ctv_hp.htm