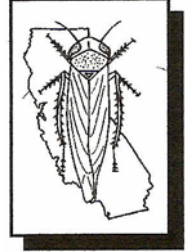


# BEET CURLY TOP VIRUS MONTHLY REPORT



## ***CURLY TOP VIRUS CONTROL PROGRAM***

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Report for August, 2017

### **Program-wide notice**

- After the spring spray campaign on April 11, 2017 in Kern County, Program personnel continued to survey for beetle leafhopper (BLH) populations and monitor roadsides and fallow fields for ground rig treatment.
- In May and early June, Fresno and Kings Counties had BLH averages of 7-12 BLH per 10 sweeps. There were a few fallow fields in Kern County that had higher BLH counts, with 15-25 BLH per 10 sweeps. Ground rig treatment was conducted in Fresno, Kern, and Kings Counties for the areas with treatable BLH counts.
- In the summer months of June and July BLH population counts were very low, overall. Counts were 0-2 BLH per sweep in the majority of areas surveyed. There were a few small areas that had inconsistent but slightly higher counts of 3-5 BLH per sweep.
- Fall host plant development surveys were conducted from the end of July to August, and will continue to be monitored throughout September. Program personnel observed some Russian thistle emerging in late spring/early summer, however, with the high temperatures and lack of rainfall, the majority of those plants died off. Some Russian thistle and goosefoot developed in late summer. BLH counts remained minimal.
- Program personnel began mapping in potential areas for the fall spray campaign in August. Mapped acreage was significantly less than in previous years. Fresno County mapped approximately 5,000 acres, Kern County mapped approximately 14,000 acres, and Kings County mapped approximately 5,000 acres. It is expected that the majority of the fields will be disked or grazed, and therefore eliminated from the fall spray campaign. Another factor that will reduce the amount of acreage for the fall spray campaign will be the BLH counts. BLH counts were extremely low in the fields that were mapped. BLH populations will continue to be monitored.
- There were two (2) BLH samples collected from Fresno County in July and sent to the lab for virus analysis. Both samples were negative for curly top virus.
- There were two (2) host plant samples collected from Fresno County in July and sent to the lab for virus analysis. One (1) sample was positive for curly top virus. The other sample was negative for curly top virus.
- There were two (2) BLH samples collected from Kings County in July and sent to the lab for virus analysis. Both samples were negative for curly top virus.
- There was one (1) host plant sample collected from Kings County in July and sent to the lab for virus analysis. It was positive for curly top virus.

- There were seven (7) BLH samples collected from Kern County in July and sent to the lab for virus analysis. Two (2) were positive for curly top virus.
- There were nineteen (19) host plant samples collected from Kern County in July and sent to the lab for analysis. One (1) was positive for curly top virus.
- There were nine (9) symptomatic tomato plant samples that were collected in Kern County in July. Seven (7) were positive for curly top virus.
- There was one (1) symptomatic watermelon plant sample submitted in July from Kern County for virus analysis. It was negative for curly top virus.
- Fourteen (14) fall host plants samples were collected in August and sent to the lab for virus analysis. All of the samples tested positive for curly top virus.

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