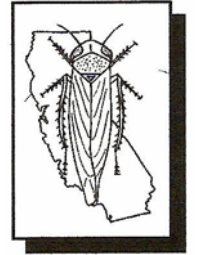


BEET CURLY TOP VIRUS MONTHLY REPORT



CURLY TOP VIRUS CONTROL PROGRAM

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Report for April, 2015

Program-wide notice

- The Beet Curly Top Virus Control Program (BCTVCP) concluded the majority of the spring spray campaign on April 3, 2015. A total of 62,375 acres were treated aerially.
- Roadsides and fallow fields were monitored for BLH populations throughout April. BLH counts remained minimal in some fields. Several fallow fields near Utica Ave and 10th Ave had BLH counts above 10 per 10 sweeps. Treatment preparations were made and 7,000 acres were treated aerially on April 15 and 16, 2015.
- A total of 69,375 acres have been treated during the spring treatment campaign.
- Winter and spring totals equal 82,375 acres treated aerially, in 2015.
- Roadside host weeds were abundant with London rocket and stressed filaree. Russian thistle and goosefoot were becoming widespread. The highest sweep counts of BLH were coming from goosefoot in fallow fields and roadsides.
- The program will continue to monitor fallow fields and roadsides. Treatment will be conducted with sufficient BLH counts as needed.
- The Program removed the sticky traps from the west side trap line.
- A total of ninety-one (91) tomato samples were collected and sent for virus analysis in April. Seventy-one (71) were positive for curly top virus. Twenty (20) tomato samples were negative for curly top virus. Tomato samples were collected from Fresno, Kern, Kings, and Tulare counties.
- A total of fifteen (15) beet leafhopper samples were sent in for virus analysis in April. Nine (9) were positive for curly top virus. The remaining six (6) have not been tested. Results will be reported next month.
- A total of twenty-one (21) weed samples were sent in for virus analysis in April. Results have not been determined and will be reported next month.
- **Remember, it is best to use an insecticide for BLH on any weedy areas, prior to disking. Disking and grazing, or using an herbicide, causes the beet leafhoppers to move.**

Fresno County

- BLH and vegetation surveys were conducted in Five Points, Cantua Creek, and Three Rocks. BLH counts averaged 1-5 per 10 sweeps. Personnel will continue to monitor these areas.
- Roadsides along Highway 33 north of Firebaugh to near the Fresno/Merced county line had a lot of London rocket, Russian thistle, goosefoot, and some mustard. Counts were 8-10 adult BLH and zero nymphs per 10 sweeps.
- Fallow fields near San Diego Avenue and Belmont Avenue, Shaw Avenue and Jerrold Avenue, and Adams Avenue and San Diego Avenue had counts averaging 2-4 BLH per 10 sweeps.

- Areas in Coalinga and near the Coalinga Nose were surveyed for BLH. Roadsides were noted for ground treatment applications. 160 gallons of mixed Malathion were used on roadsides off of Jayne Avenue and Calaveras Avenue, and Phelps Avenue and Calaveras Avenue.
- Roadside ground treatment was conducted along Lassen Avenue in Huron. 80 gallons of mixed Malathion were used.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

Kern County

- Aerial treatment concluded April 3, 2015 with 11,600 acres treated.
- Personnel continued to identify and monitor fallow fields for BLH. A few fallow fields were treated by ground off of Copus Road and Old River Road. Vegetation consisted of Russian thistle, goosefoot and lambsquarters. The goosefoot had the highest counts of BLH. Sweep counts were 200+ adult and nymph BLH per single sweep! Roughly 360 acres were treated with a ground rig.
- Fallow fields in the Lost Hills area and off of South Lake Road will continue to be monitored and treated as needed.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

Kings County

- Several fallow fields near Utica Avenue and 10th Avenue were monitored for BLH populations. Counts were 10-30 BLH per 10 sweeps. On April 15 and 16 the Program conducted aerial treatment on 7,000 acres in that area.
- An additional 5,000 acres in the same vicinity were being monitored. Vegetation was green, so treatment was delayed for it to dry up and to allow nymphs to emerge.
- At the end of April, the 5,000 acres was included in an aerial treatment for Lygus, conducted by a grower. The BLH counts after the Lygus treatment were minimal.
- Roadsides along Jackson Avenue to Nevada Avenue between Highway 41 and Avenal Cutoff were monitored and mapped for treatment. BLH counts range from 3-5 per 10 sweeps to 5-8 BLH per 10 sweeps.
- Roadside ground treatment was conducted off of Utica Avenue, east of Interstate 5 and south of Kettleman City, and along 25th Avenue. 320 gallons of mixed Malathion were used.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

Merced County

- Personnel continued to monitor vegetation and BLH populations. The hillsides have completely dried up and the focus was on roadside host weeds. There were several areas surveyed. If needed, ground treatment will be conducted. The BLH counts were too low at this time.
- Roadsides along Billy Wright Road west of the Interstate 5 overpass had stressed mallow and filaree. Counts were 1-2 adults and zero nymphs per 10 sweeps.
- Roadsides along Whitworth Road north of McCabe Road had stressed mallow and filaree. Counts were 3-4 adults and zero nymphs per 10 sweeps.
- An open lot on Whitworth Road north of Marshall Road had a lot of stressed mallow and filaree, along with dried pepper grass. Counts were 3-4 adults and zero nymphs per 10 sweeps.
- Roadsides along Butts Road west of Whitworth road had mallow and filaree. Counts were 4-5 adult BLH and zero nymphs per 10 sweeps.
- An additional eight roadside locations with good host weeds were surveyed, all of which produced minimal BLH counts of 0-1 adult BLH and zero nymphs per 10 sweeps.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

San Joaquin County

- Fallow field and roadside host weeds were surveyed for BLH.
- Roadside hosts along Highway 33 north of Highway 132 consisted of mustard and some London rocket. BLH counts were zero adults and zero nymphs per 10 sweeps.
- A fallow field on the west side of Koster Road and south of Highway 33 consisted of fiddleneck, goosefoot, London rocket, and some Russian thistle. BLH counts were zero adults and nymphs per 10 sweeps, however, there were a lot of Agalia's.
- The Tracy Defense Depot property had been disked. The remaining vegetation consisted mostly of London rocket, some goosefoot, and stressed filaree along Banta Road and along an access road inside the field. BLH counts were zero adults and nymphs per 10 sweeps.
- Within a young almond orchard, south of Linne Road east of Koster Road, shepherd's purse in the middles produced 3-4 adult BLH and zero nymphs per 10 sweeps.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

Stanislaus County

- Fallow field and roadside host weeds were surveyed for BLH.
- An almond orchard off of Orchard Road north of Highway 140 had a lot of mallow and stressed filaree. BLH counts were 2-3 adults and zero nymphs per 10 sweeps.
- Roadsides along Eastin Road north of Orestimba Road had goosefoot and filaree. BLH counts were 2-3 adults and zero nymphs per 10 sweeps.
- Shepherd's purse and mallow along Armstrong Road north of Pear Road yielded BLH counts of 1-2 adults and zero nymphs per 10 sweeps.
- Personnel will continue to identify, monitor, and treat fallow fields and roadsides, as needed.

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