

Citrus Cutworm

Source of Information: Lindcove Research and Extension Center

Biofix: January 7, 2002 for the Orosi and Orange Cove areas

Lower developmental threshold: 45.6°F

Begin Sampling for Cutworm Larvae: 250 DD

Expect to find 1st and 2nd instar larvae: 350-400 DD

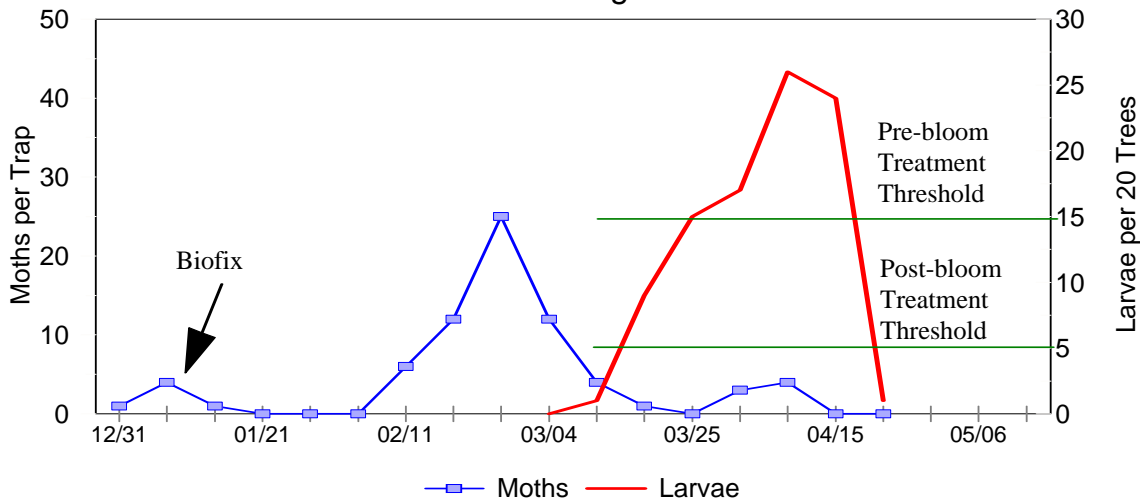
Apply microbials (Bt products): 400-550 DD

Current Accumulated Degree Day Units: 800 DD

Garrett Lehman (UCCE Tulare Co.) is monitoring for citrus cutworm moths and larvae in 10 Orosi and Orange Cove orchards through funding received by the Department of Pesticide Regulation Pest Management Alliance Grant. He is now seeing 3rd, 4th and 5th instar larvae, and the counts falling. With petal fall approaching, the damage threshold will fall significantly and the cutworms will be larger, so continue to watch orchards where large populations are known to occur. We will keep you informed of the degree-day units as they accumulate the Internet at <http://www.uckac.edu/citrusent/>.

Treatment threshold after petal fall: The treatment threshold is 15 worms (per 25 net shakes, per 1 hour search, or per 20 trees sampled with a beating sheet) before petal fall and 3-5 worms after petal fall. The threshold is lower after petal fall because the larvae prefer to feed on the fruit. The microbial insecticides work well before petal fall if the cutworm are smaller instars. Microbial pesticides are most effective when applied approximately 400 degree days after moths begin flying and when the population consists primarily of 1st and 2nd instar larvae (we are past that point now). See your Citrus IPM manual or guidelines for details of how to sample. Insecticide treatment recommendations can be found in the citrus guidelines that you can purchase from your UC Cooperative Extension Office, or as Publication 3339 from UC DANR Communication Services (800-994-8849), or on the World Wide Web (<http://www.ipm.ucdavis.edu>).

Citrus Cutworm 2002
Orosi Region



California Red Scale

	1st male flight	1st gen. crawler s	2nd male flight	2nd gen. crawlers	3rd male flight	3rd gen. crawlers	4th male flight	4th gen. crawlers	5th male flight
Estimated Degree Days	biofix	550 DD	1100 DD	1650 DD	2200 DD	2750 DD	3300 DD	3850 DD	4400 DD

Current Accumulated Degree Day units

Region	Biofix	Current DD							
Kern	March 18	300 DD							
Foothills	March 18	285 DD							
S. Tulare	March 25	270 DD							
N. Tulare	March 25	275 DD							
Fresno	March 25	268 DD							
Madera	April 1	118 DD							

The biofix for CRS in the San Joaquin Valley ranged from March 18 – April 1, 2002. At 550 degree days, the crawlers will begin to emerge. Late April and early May typically see weekly degree-day accumulations of 50 – 70 DD per week. Using this as an estimate, we are likely to see the first crawler emergence in the warmer citrus growing regions the week of May 13, which is nearly identical to 2001.

Cottony Cushion Scale

Vedalia beetles arrived in most orchards during April and have done an excellent job of eliminating cottony cushion scale. My research group has received funds from UCIPM to develop a monitoring method and an economic threshold for cottony cushion scale. If anyone has a population of cottony cushion scale that we can study, please let us know (bethgc@uckac.edu).

Diaprepes Root Weevil Educational Meeting

Beth Grafton-Cardwell, University of California Kearney Agricultural Center, Parlier
Kris Godfrey, CDFA Biological Control Program, Sacramento

The purpose of this series of meeting is to inform California citrus nurserymen, growers, pest control advisors and the ornamental nursery industry about the potential arrival and threat of the Diaprepes root weevil. The Diaprepes weevil can utilize more than 250 species of plants as hosts. This pest is now found throughout Florida and is causing significant damage to the roots of citrus. Drs. Pena and McCoy will speak about their research on the biology of this pest as well as chemical and biological control tactics used to reduce its numbers in Florida.

Speakers:

Dr. Clayton McCoy, University of Florida, Citrus Research & Extension Center, Lake Alfred, Florida
Dr. Jorge Pena, University of Florida, Tropical Research & Education Center, Homestead, Florida

May 29, 2002, Wednesday - **Temecula**

Moderated by Peggy Mauk, Director and Subtropical Horticulture Farm Advisor, UCCE Riverside County.
(909) 683-6491.

Location: Embassy Suites Hotel, Champagne Room, 29345 Rancho California Road, Temecula, 909-676-5656.

Time: 10 am to noon

May 30, 2002, Thursday - **Ventura**

Moderated by Nick Sakovich, Citrus Farm Advisor, UCCE Ventura County. (805)-645-1469

Location: Ventura County Extension Office, 669 County Square Dr. #100, Ventura.

Time: 2 to 4 pm

May 31, 2002, Friday - **Tulare**

Moderated by Neil O'Connell, Citrus Farm Advisor, UCCE Tulare County, (559)-685-3309, ext 212

Location: Agricultural Building, 4437 S. Laspina St., Tulare.

Time: 10 am to noon

This educational program is made possible by the University of California Exotic Pests Program, the Citrus Research Board, University of California Cooperative Extension, and the California Department of Food and Agriculture.