

# UC CITRUS ENTOMOLOGY PROGRAM

## CITRUS IPM NEWSLETTER



### California Red Scale – First Biofix

The first male California red scale flight biofix for the foothills of Tulare County has been established at the Lindcove Research and Extension Center for the week of March 23. Based on input from PCAs in the area, the biofix for Kern County is also the week of March 23. A cold storm passing through the Central Valley during March 20-22 slowed scale development, but warmer weather for the remainder of the week of the 23<sup>rd</sup> will cause development to resume. The biofix can vary by as much as five days depending on terrain, irrigation and pruning practices within regions. Because many of the young stages die during the winter months, the first generation of scale is usually fairly synchronized, that is, the bulk of the population is in the adult stage. The first crawler emergence is expected to begin 550 degree-days after the biofix (this is predicted to occur in mid-May based on 30-year average temperatures). Weekly real-time degree-day accumulations for Kern, Tulare and Fresno counties can be found on our website at <http://citrusent.uckac.edu>. Treatments are most effective if timed for the first or second crawler generations. This is because the population is small, fairly synchronized, and generally the scale have not yet reached the fruit.

Growers and PCAs who are willing to share their red scale field observations are encouraged to contact Greg Montez at 559 646 6500 or [gregm@uckac.edu](mailto:gregm@uckac.edu)

### 2009 California Red Scale Degree-Days

	1 <sup>st</sup> male flight	1 <sup>st</sup> gen. crawlers (predicted)	2 <sup>nd</sup> male flight	2 <sup>nd</sup> gen crawlers	3 <sup>rd</sup> male flight	3 <sup>rd</sup> gen crawlers	4 <sup>th</sup> male flight	4 <sup>th</sup> gen crawlers
Estimated Degree Days	biofix	550 DD	1100 DD	1650 DD	2200 DD	2750 DD	3300 DD	3850 DD
Kern	March 23	May 11						
Tulare	March 23	May 11						
Fresno	March 30	May 18						

The Citrus IPM Newsletter is published by the University of California Citrus Entomology Laboratory at the Kearney Agricultural Research Center.

For information or to subscribe or unsubscribe please send an email to [gregm@uckac.edu](mailto:gregm@uckac.edu) or call Greg Montez at (559)646-6597

Dr. Beth Grafton-Cardwell, IPM Specialist and Research Entomologist [bethgc@uckac.edu](mailto:bethgc@uckac.edu)  
University of California Kearney Agricultural Research Center