

Kern/Tulare

GWSS Update



A project of the Glassy-winged Sharpshooter Task Force of Kern and Tulare Counties. Participants: Agricultural Commissioner Offices of Kern and Tulare Counties, California Department of Food and Agriculture, University of California-Cooperative Extension, U.S. Department of Agriculture (APHIS and ARS Divisions).

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Web sites:
 • www.kernag.com/kpp.htm
 • www.co.kern.ca.us/farm/luvisi.htm

Concentration levels of imidacloprid tested on GWSS

We have monitored the systemic levels of Admire® (imidacloprid) in both citrus and grapes. We do this to determine the titer, or concentration, levels of Admire in the vines.

We have determined that if we detect 5 parts per billion (ppb) of Admire in the trees or vines, this is enough insecticide to kill GWSS.

We would like growers to have a minimum of 15 ppb of Admire in the grapevines when GWSS is actively feeding.

In 2002, we applied two rates of Admire through drip irrigation lines to 3-year-old grapes in Temecula. Two applications of 32 ounces per acre were applied.

One 32-ounce rate was applied on April 30. The second application was split into two 16-ounce rates. One of these was applied April 30, and the other July 23.

The two different applications of Admire were tested to determine the best way to keep the titer of Admire at a level higher than 15 ppb. Our data indicates that the 16:16 rate maintained a high enough titer of Admire to kill GWSS for about eight weeks. An additional 16 ounces of Admire then needed to be applied.

Both the 32-ounce rate and the 16:16-ounce rate provide adequate titers of Admire to kill GWSS in grapes for four to four and a half months.

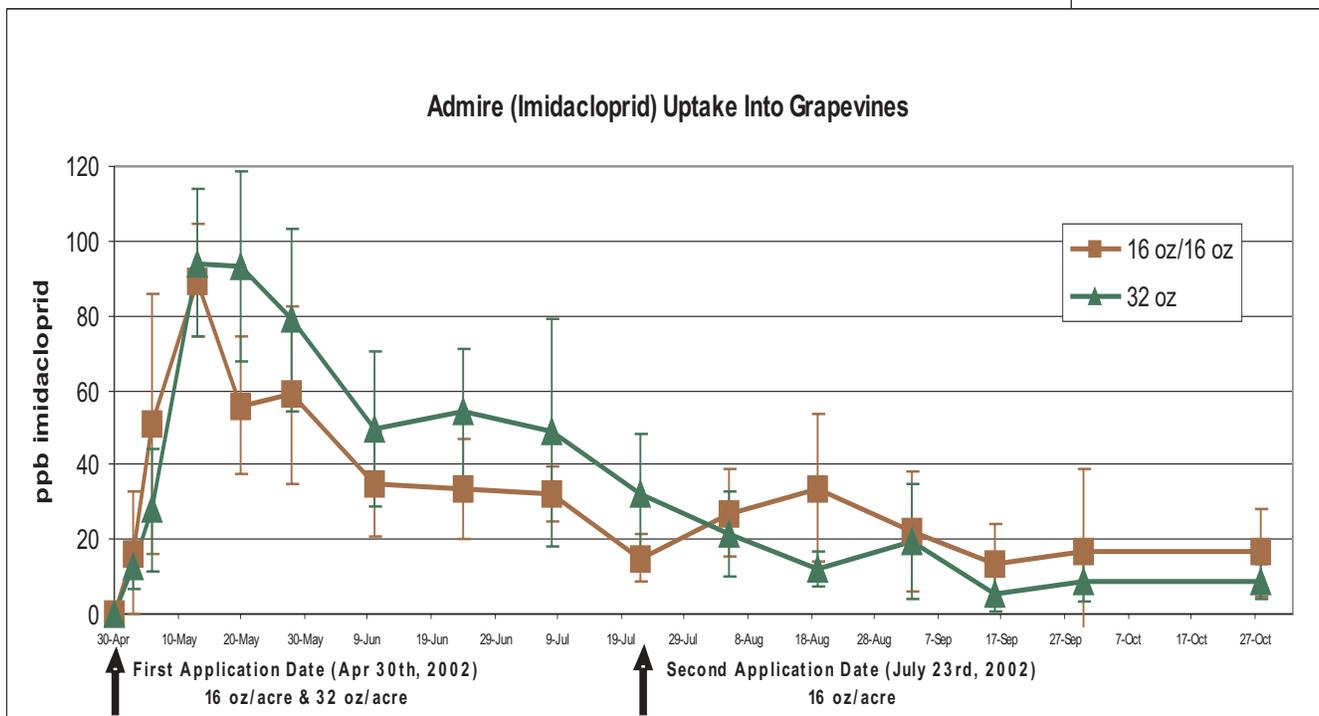
Adequate watering is the key factor governing the uptake efficiency of Admire. Any changes to a watering schedule that affect plant physiology are also likely to impact the uptake of the insecticide.

Future studies will determine if vine age will impact Admire uptake.

— Nick Toscano, Jian Bi, Frank Byrne and Steve Castle, University of California

“We would like growers to have a minimum of 15 ppb of Admire® in the grapevines when GWSS is actively feeding.”

— Nick Toscano, University of California-Riverside





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Tulare County handles new regulations during citrus harvest and shipping

The harvest season is underway for navel oranges, satsumas, pummelos, lemons and other citrus in Tulare County.

We are actively surveying or mitigating by treatment all citrus plantings under the 72-hour notification requirements of the compliance agreements. Your cooperation in this process allows us to make more efficient use of our survey staff.

At the same time that we have put resources in the field to survey for GWSS, we are also spending more time in the packinghouses inspecting incoming loads. So far this season, we have only had three rejections.

This may be a product of the more expanded GWSS control program that was in place in Kern County this past season. Trap counts are down, and this reduction in numbers, along with greater grower awareness, may account for the drop in rejections.

Evergreen® trials encouraging.

Trials run in Tulare County to assess the use of Evergreen® applied by a fogger were very encouraging. One hundred percent mortality of caged GWSS placed

within the load was achieved by overnight exposure to this product. Tests are still being conducted on residue levels, both immediately after treatment, and after wash and wax.

The use of this product will not, however, eliminate the need for shipping clean loads, but it does bring new tools to the table. Investigation of post-harvest treatment with Evergreen is being conducted in Ventura County by the Agricultural Commissioner, CDFA, Ventura UC-Cooperative Extension and the citrus industry.

Again, your help is needed to make this program work. Providing pre-clearance inspections on citrus blocks is time consuming and requires coordination to work effectively. It's required by regulation.

We must receive your 72-hour notification prior to harvest. This is particularly important for blocks located within a quarantine area (yellow tag). Please fax that information to (559) 685-3345.

If you have questions regarding these quarantine regulations, please contact Bob Chilton (559) 685-3323.

— *Dennis Haines, Tulare County
Agricultural Commissioner's Office*

PD/GWSS Symposium set for Dec. 15-18

The annual Pierce's Disease Research Symposium will be held Dec. 15-18, 2002, at the Coronado Island Marriott Resort in San Diego.

The symposium will feature presentations on the approximately 60 projects currently being conducted against PD and GWSS.

For more information, visit <http://www.cdfa.ca.gov/phpps/pdcp>.

Online maps for GWSS

Maps for the Kern Pilot Project and Areawide Management Program are available at:

<ftp://bigfoot.cdfa.ca.gov/>