

Kern/Tulare

GWSS Update



A project of the Glassy-winged Sharpshooter Task Force of Kern and Tulare Counties. Participants: Agricultural Commissioner's 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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Kern, Tulare counties continue to monitor, treat sharpshooter populations

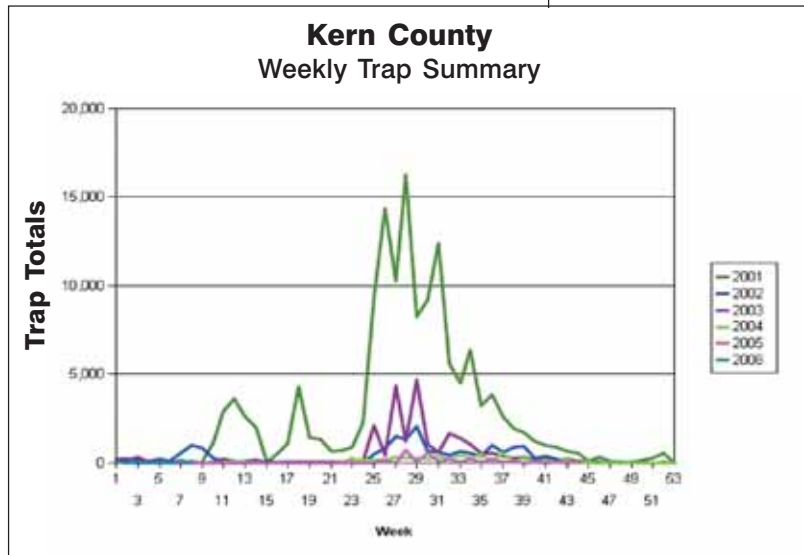
by Beth Stone-Smith
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Area-wide treatment programs for the glassy-winged sharpshooter (GWSS) in Kern and Tulare Counties continue in 2006. Overall population levels were low in 2005, and we expect to see that trend continuing as we continue our efforts to suppress GWSS and keep its northern movement contained in these counties.

Kern County GWSS populations remain low; some rebounding in General Beale and Highway 65 areas

Area-wide GWSS treatments in Kern County totaled 7,001 acres in 2005. So far in 2006, populations remain low overall.

One area of concern this spring has been in the General Beale Pilot Project area. Area-wide trap finds in August 2005 let us know we had a low-level population rebounding in some of the citrus acreage, which is surrounded by eucalyptus windbreaks. The program decided to hold off on treatments of this citrus until the spring of 2006 when we could most effectively treat those GWSS populations in both the



citrus and the windbreaks at the same time with the systemic chemical, imidacloprid.

Thus far, the program has recommended treatments for 640 acres of citrus and the surrounding windbreaks of this citrus. More treatments are pending in other citrus acreage and windbreaks in the General Beale Pilot Project.

One other area with low-level populations showing up this spring is the Highway 65 area. Populations on the rebound here are associated with organic citrus acreage as well as some other citrus acreage that has not been recommended for treatment by the program in a couple of years. Data assessment and preparations for treatment recommendations in this area are underway.

(Above) Kern County trap catches by year. So far in 2006, 434 GWSS have been trapped.

GWSS Update archives

Past issues of GWSS Update, going back to 2001, can be found at <http://cekern.ucdavis.edu/newsletterfiles/newsletter667.htm>.

GWSS Trapping Summary

Trapping totals by year
in Kern County

County	Year	# of Traps	GWSS Total Count
Kern	2001	1,701	141,925
Kern	2002	7,203	18,501
Kern	2003	6,825	24,009
Kern	2004	7,557	5,791
Kern	2005	6,714	2,732
Kern	2006	6,378	434

Tulare County sees some GWSS problem spots

In 2005, area-wide treatments in citrus totaled 4,901 acres in Tulare County.

So far this spring, 466 acres of commercial citrus have been treated under the GWSS area-wide program in Tulare County. Of that, 111 acres were treated in January in an area north of Lindsay that became prob-

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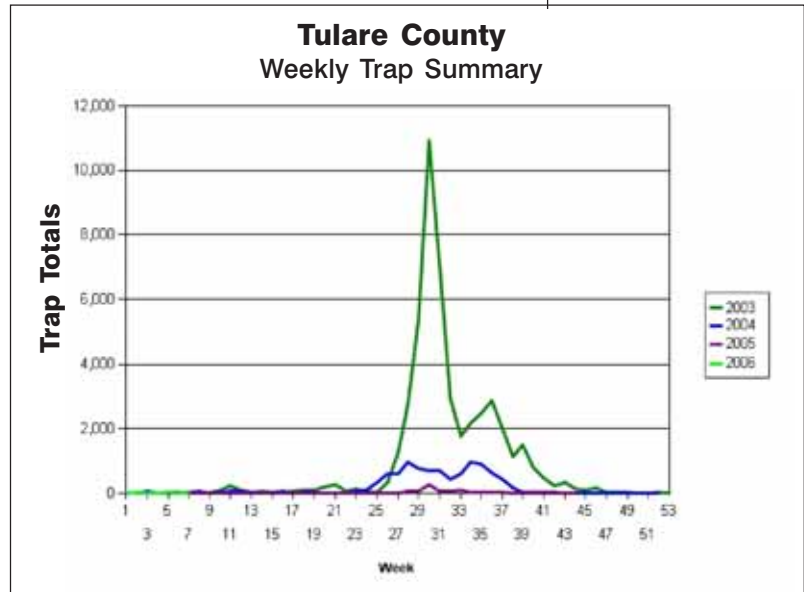
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lematic. This area, where commercial and non-commercial citrus are adjacent to each other as well as an urban setting of host material, is one of our more difficult management situations.

Thanks to Tulare County ag staff for its work in this area to coincide urban host plant treatments with the area-wide treatments. Follow-up systemic applications of imidacloprid are being organized for the commercial citrus in this area.

Another area of concern this spring in Tulare County has been southeast of the city of Porterville. We have an area of significant organic citrus acreage that has received an application of Pyganic®, following significant trap finds as well as survey finds by the Tulare County staff. This treatment encompassed 355 acres. Conventional citrus acreage adjacent to this area is being organized for applications of imidacloprid. ■

(Right) The trapping totals by year in Tulare County, as well as a graph of the trap catches by year. So far in 2006, 85 GWSS have been trapped.



GWSS Trapping Summary

Trapping totals by year
in Tulare County

County	Year	# of Traps	GWSS Total Count
Tulare	2003	5,161	48,639
Tulare	2004	5,210	9,704
Tulare	2005	5,121	913
Tulare	2006	4,735	85

Special thanks

A special thanks to the California Table Grape Commission for its support of this newsletter.