

Efficacy of Selected Registered and Developmental Insecticides for Navel Orangeworm

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PROJECT SUMMARY

Objectives:

- Conduct screening trials at hull split to determine the efficacy of using selected insecticides for control of navel orangeworm (NOW) in almond orchards, as part of an ongoing evaluation program of both registered and experimental compounds.

Background:

The navel orangeworm (NOW) continues to rank as one of California's most serious food-crop pests, with a strong appetite for not only almonds but also pistachios and walnuts.

Combating the NOW moth and larva continues to rely in part on the use of a variety of insecticides, including an ongoing stream of new ones. For almond growers, one key issue is learning how to use these products most effectively on NOW.

The current project is part of an ongoing program that's centered on conducting NOW-oriented screening trials of registered and experimental pesticides. It seeks to identify the compounds most likely and least likely to be of value to almond growers.

Experience to-date finds that a number of newly registered insecticides such as flubendamide (Belt) and chlorantraniliprole (Altacor) as well as the newer pyrethroids (Brigade, Danitol, Baythroid, etc) showed promise for NOW control.

Plans for the current project call for the screening of a number of newly registered compounds with the results to be widely disseminated through the Almond Board of California and other organizations. In addition, these data will be combined with those from previous years to help determine which of the tested materials are likely to be of the greatest value to growers.

Eventually, once they are registered, the most promising of the developmental compounds will be incorporated into larger-scale trials.

Project Cooperator: Stephanie Rill, University of California Cooperative Extension, Kern County

For More Details, Visit

- Poster location 32, Exhibit Hall, Session 2; or on the web (after January 2011) at AlmondBoard.com/AICposters
- 2009-10 Annual Report CD (09-ENTO8-Haviland/Holtz); or on the web (after January 2011) at AlmondBoard.com/ResearchReports
- Related Projects: 10-ENTO7-Zalom