

## IPM California Avocados

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### Greenhouse Thrips Project Continuing

Field monitoring of this pest continues in the Summerland area of Santa Barbara county. We are beginning to get a picture of population trends on 'Hass' fruit. We continue to search for an effective, selective insecticide for use on this pest. To date, acephate (Orthne) appears to look best. We need additional ground and aerial tests.

### Biology Studies of Amorbia and Omnivorous Looper Completed

We have completed the biology studies on all states of our two "worm" pests, Amorbia and the Omnivorous Looper. Degree-day data were generated and will become an integral part of our IPM program for avocados.

### Looper Pheromone Looks Good in Recent Field Study

We have just done a field study of the longevity (how long it's effective) of our experimental 0. Looper pheromone. We now know it's effective for at least 8 months. We expect to run additional tests of this type. It could be effective even longer.

### Monitoring - Early Warning Project for Amorbia and 0. Looper Setup

In January, 1987, we implemented phase one of this project. We have 34 trap sites located in 9 counties. Each site has a pheromone baited 0. Looper trap plus two pheromone baited Amorbia traps, each baited with a different Amorbia pheromone to determine whether you have the "high ratio" or "low ratio" Amorbia species in your area. Without this essential information, you won't know which of the two Amorbia pheromone to ask for. Monitoring flight activity of these moths tell you when to release the beneficial wasps Trichogramma platneri which sting and kill eggs of both Amorbia and 0. Looper before they hatch and start feeding on your crop.