

Implementation

Areawide II: Implementation of Non-OP Pest Management Programs on Pears in Oregon's Hood River Valley

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*Abstract:* Areawide II is a collaborative project to evaluate selective alternatives to organophosphate (OP) insecticides for control of codling moth and to enhance biological control in pear orchards. The study has been ongoing since 2001 and was limited initially to three commercial orchards in the Hood River Valley. In 2004, the demonstration project was expanded to ten commercial pear orchards. Growers had to agree to use organophosphate (OP) alternatives for controlling codling moth and other pests. In return, growers were provided with information and advice about the status of major and minor pests, natural enemy activity, timing of sprays and whether pest levels justified control. Growers made their own decisions about what insecticide to apply. Pheromone traps were placed in all orchards with either the high load (10X) Suterra Biolure if the grower used mating disruption or the 1X lure if the grower relied on a non-OP insecticide program for codling moth control. Obliquebanded leafroller was also monitored with pheromone traps. Pear psylla, mites and natural enemies were monitored weekly by either beating tray or leaf samples. Monitoring information about pest and natural enemy populations was summarized weekly in a report for each grower and distributed electronically over the Internet. The weekly reports were intended as supplemental information for growers and chemical fieldmen so they could make informed pest management decisions and respond to emerging problems in a timely manner.