

Chemical Control/New Products

Studies for Control of Codling Moth in Pear

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Abstract: In 2003, several trials were conducted to examine the effects of many insecticides for codling moth control in pear. In general, codling moth pressure was moderate (relative to typical untreated control treatments), and all materials performed well. Two chloronicotinyl insecticides, Assail and Calypso, were examined, and both performed well relative to the Guthion standard. Several pyrethroid insecticides were tested, including Asana, Danitol and Warrior, and all controlled codling moth. Two insect growth regulators, Danitol and Diamond, also controlled codling moth relative to the Guthion standard treatment. Success was successful in managing codling moth. Codling moth management programs alternating Agri-Mek with Warrior also managed to give control.

Observations were also made of codling moth mating behavior. Codling moth were marked with fluorescent dye, released into the field, then followed through the scotophase using a portable black light. Several unique observations were made of female calling behavior, male movement and predation by spiders.