Biological Control

Evaluating Granulosis Virus (Cyd-X) and Acetamiprid (Assail) for Season-Long Control of Codling Moth in Apples: Results from Two Years of Field Studies

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Abstract: On-farm field trials in two apple orchards in El Dorado County, CA, were conducted to compare season-long codling moth (Cydia pomonella) damage from treatments of acetamiprid (Assail), acetamiprid (Assail) plus granulosis virus (Cyd-X) followed one week later by an additional granulosis virus application, and azinphosmethyl (Guthion) for 2 growing seasons. One of the orchards (Red block) had a high codling moth population and the other (Fuji block) had a low codling moth population. Both orchards used mating disruption and orchard airblast sprayers were calibrated to deliver between 225 to 300 gal/acre. In the second year in the Fuji block, Assail + Cyd-X was compared to Cyd-X alone for the first flight. Results from fruit damage assessed after each flight and at harvest will be presented.