Control of codling moth with reduced risk insecticides in pears

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Abstract: A trial was conducted in Fairfield, CA, to evaluate the efficacy of reduced risk insecticides for control of codling moth (CM) in pears. Each experimental treatment was replicated four times in a RCB. The CM infestation in all experimental treatments was significantly lower than in the untreated control. All experimental treatments except for Dimilin without Omni Supreme oil and Omni Supreme oil alone provided acceptable control that was very similar to the grower standard of Imidan and Guthion. However Dimilin without oil and Omni Supreme oil significantly suppressed CM populations compared to the untreated control. A flare-up in both twospotted spider mite and European red mite was observed with the grower standard without Agri-Mek and with Calypso without Omni Supreme oil compared to the untreated control. The grower standard without Agri-Mek had significantly greater pear psylla than all the other treatments. Assail combined with Omni Supreme oil with or without Dimilin continues to be a very promising combination for total pest control in pears.