Chemical Control/New Products

Control of Codling Moth in Large Plot Apple Trials with Diamond™ 7.5 WG

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Abstract: Trials were conducted in the Mid-Columbia area of Oregon to evaluate Diamond 7.5 WG for codling moth control in apple. Large plots, 0.1 acre, were utilized and replicated four times. The first trial was an evaluation of Diamond 7.5 WG at 3 rates compared to Guthion for season-long codling moth control. Damage was assessed after the first generation and at harvest. Diamond at 0.1875 lb a.i./acre and 0.25 lb a.i./acre and Guthion provided excellent codling moth control for the entire season. Codling moth damage observed in the Diamond 0.125 lb a.i./acre treatment was not significantly different from the higher rates of Diamond. However, more deep entries were observed in this treatment.

In a separate trial, Diamond 7.5 WG was used with and without Imidan for second generation codling moth control. Codling moth damage was assessed at harvest. Diamond at 0.125 lb a.i./acre and 0.25 lb a.i./acre alone and Diamond, at the same rates, plus Imidan at 3.75 lb a.i./acre as a tank mix provided excellent codling moth control. Diamond provided significantly better codling moth control when used alone or in combination with Imidan, compared to Imidan used alone and the untreated.