

Semio-chemicals: The essence of green pest control. IOBC/WPRS Working Group:
“Pheromones and other semio-chemicals in integrated production” 1-5 October 2012
Bursa/Turkey

**Determining the efficiency of mating disruption against codling moth [*Cydia pomonella*
(L.) Lep.: Tortricidae] under conditions in Isparta**

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The study was carried out in the apple orchard, 1.5 ha in size, that comprised of Golden Delicious and Starking Delicious cultivars grafted on the seedling rootstock and that belonged to the Directorate of Fruit Research Station in 2008 and 2009. Isomate-C- Plus type of dispensers, containing 190 mg of active ingredient (E,E-8,10-Dodecadien-1-ol), were used as 1,000 pieces per hectare for all trees in the research plot. In the study, fruits were counted in 30 trees. The fruits which fell onto the ground were counted in terms of whether they were uninfected or infected once in two weeks from the second week of July to the harvest. In the harvest, some 300 fruits were counted from each tree and the rates of infected fruits among the fruits which fell onto the ground and after they had been collected were calculated. In the plot where the study was carried out, the rate of infected fruits was 2.30% in 2008 and 13.62% in 2009. The average of two years regarding the rate of infected fruits were determined as 7.96%.

Key words: apple, codling moth, mating disruption