

Project Title : Early Studies on Mating Disruption Technique of Codling Moth (*Cydia pomonella* (L.)) by Using Isomate-C Plus Dispensers in Aegean Region, Turkey.

Start /End Date : 1996-1999

Supporting Body : GDAR

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Summary : *Cydia pomonella* is the key pest in apple orchards in Aegean Region. The studies concerning the mating disruption were carried out in a 3 ha isolated apple orchard between 1996-1999 years in Balıkesir-Dursunbey in Aegean region. The experimental orchard was divided up three blocks. The dispensers were applied in mating disruption block before the first appearance of the spring moth only once throughout the season. Chemical treatments were applied in the second block according to forecasting and warning system. Relatively smaller the third block left as control. Weekly moth catches were checked in the pheromone traps placed in each block. Assessments were based on the numbers of fruit damaged fallen down during the vegetation and the number of infested fruits at the harvest. As for the result of four year studies, infestation rates were found to be 7,32%, 35,01%, 1,46% and 11,92% in the years of 1996-1999 respectively.