

Project Title : National Project of Tomato moth *Tuta absoluta* Meyrick (Lepidoptera:Gelechiidae) Sub-project: Utilization of Biotechnological Control Methods Against *Tuta absoluta* (Meyrick) (Lepidoptera: Gelechiidae) in Aegean Region

Start Date : 2011

Supporting Body : GDAR

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Summary : Although whitefly (*Trialeurodes vaporariorum* (West.) (Hemiptera: Aleyrodidae), leafminer *Liriomyza trifolii* (Burgess) (Diptera: Agromyziidae) and spider mites *Tetranychus* spp.(Acarina: Tetranychidae) have been determined as main pests in tomato growing areas, *Tuta absoluta* (Meyrick) (Lepidoptera:Gelechiidae) has recently been the main pest of tomato since contamination to Turkey in 2009. The pest may cause up to 80-100 % yield losses unless integrated pest management tools are not applied properly. Due to its feeding behaviour and resistance to insecticides, using alternative control methods should be compulsory. For this reason, the possibilities of using pheromone traps which is considered as a biotechnical method, will be investigated for control of *T. absoluta*.The study will be conducted both in protected and open fields of tomato producing areas in the in Aegean Region.