

**Project Title** : Determination of Insect Species, The Population Fluctuation of The Most Harmful Species and Its Critical Biological Periods for The Control in Pomegranate Orchards in Denizli Province

**Start Date** : 2011

**Supporting Body** : GDAR

**Leader** : Tevfik TURANLI

**Co-researchers** : -

**Summary** : As with other fruit varieties grown in Turkey, as well as the grown problems in pomegranate, many plant protection problems are encountered. One of the most important problems is to control the pests. In recent years pomegranate orchards have increased significantly in Aegean Region. It is observed that some pests cause important damages in pomegranate orchards. Denizli province with the economic damage caused species will be determined the first time by this studies by detecting population fluctuation of important species., the critical periods of the harmful will be determined. The creation and implementation of integrated control programs in the harmful against pests besides the prevention of crop losses will be provided , so, healthy and quality products will be growed, by reducing unconscious chemical applications environment and human health will be protected with the unconscious will be able to reduce pesticide. With the increase in export opportunities for healthy products derived from the contribution will be the country's economy.

The study will be conducted. Pomegranate production of most of the Aegean region in Denizli province. This study will be made in orchard where the chemical use is less and able to represent the province. This study will be made for the detection of harmful species in Center, Buldan, Güney, Sarayköy and Akköy districts of Denizli province. Determination of the pests found in Pomegranate Production Orchards in Aegean Region, observation of the population changes of important species and research to control in two districts.