

- Project Title** : Investigations on the Determination of the Predators of Injurious Mites In Vineyards of Aegean Region and the Possibilities of Utilisation from them in Terms of Biological Control
- Start /End Date** : 1997-2004
- Supporting Body** : GDAR
- Leader** : Mehmet Ali GÖVEN
- Co-researchers** : Prof. Dr. Sultan ÇOBANOĞLU, Bilgin GÜVEN, Muhamet TOPUZ
- Summary** : These studies was carried out between 1997-2004 in vineyards production areas and take hedge plants around their in İzmir, Manisa, Denizli, Muğla and Çanakkale (Bozcaada) provinces for the purpose of biological control possibilities against phytophagous mites.
- As a result of these studies there were determined *Colomerus vitis* (Pagenstecher), *Calipetrimerus vitis* (Nalepa), *Tetranychus urticae* Koch and *Tetranychus cinnabarinus* Boisd. as phytophagous mites; 11 species from Phytoseiidae, Anystidae, Stigmatidae, Tydaeidae and Trombidiidae families were determined as a predatory mites; the neutral mites were *Tydeus caudatus* and *T. californicus*. Futhermore, the phytoseiid mites were found on *Rubus* sp. and *Rosa canina* plants. Finally, *Typhlodromus perbibus* accepted as new species for Turkish fauna.
- The side-effects of pesticides widespread used vineyards areas of Aegean Region on predatory mite *Typhlodromus perbibus* were tested under laboratory conditions between 2002-2004.
- As a result of these tests Quinalphos, Parathion – Methyl, Carbaryl, Micronize sulphur, Propineb, and showed toxicity cause a death rate of 27%, 27%, 21%, 15%, %3 and Dimethoate (reference item) above 50% respectively.