

**Project Title** : Investigations on determination of Maximum Residue Limits (MRLs) of Some Pesticides on Tomato, Pepper, Cucumber and Grape Grown in The Aegean Region with Supervised Trials

**Start /End Date** : 2008-2011

**Supporting Body** : GDAR

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**Summary** :

In this small-scale project supervised residue trials will be performed on tomato, cucumber, green pepper and vineyard with selected active substances according to their usage in Anatolian Region. Studies will be held at the same time in Aegean and Mediterranean regions. Results obtained from trials will be evaluated. National MRLs will be performed by using residual data of 3 regional trials.

In this study, for a period of two years in the Aegean region, chlorpyrifos, lambda-cyhalothrin chlorothalonil on tomato; chlorpyrifos and Metalaxyl-m + mancozeb on cucumber; cyprodinil + fludioxonil, acetamiprid and chlorpyrifos on pepper, chlorpyrifos, lambda-cyhalothrin and pyrimethanil on vineyard -supervised trials was established with the active ingredient of pesticides maximum residue limits for products made from the residue analysis of the trial areas (MRLs) is to be determined. Trials established in 2008 and 2009, and in parallel the same experiment was established in Central Anatolia and Mediterranean regions. Turkey Maximum Residue Limits established to determine the trial areas will be evaluated along with the data obtained. All experiments, tomato residue levels established in the Aegean Region of the lower than the MRL, pepper, cyprodinil + fludioxonil and acetamiprid on the MRL were detected in Salihli, Menderes Izmir under trials were identified. MRL were found in the experiment on cucumber in Menderesi chlorpyrifos Izmir, from the vineyard harvest periods of the experiments, the last pesticide residue amount was less than the MRL.

Within this sub-project during two year, active substance chlorpyrifos, chlorothalonil and lambda-cyhalothrin on tomato; active substance chlorpyrifos and metalaxyl-m + mancozeb on cucumber; active substance cyprodinil + fludioxonil, acetamiprid and chlorpyrifos on green pepper, active substance chlorpyrifos, lambda-cyhalothrin and pyrimethanil on wineyard, active substance of pesticide according to using trials was established and results was evaluated. Trial studies were carried out in region of in Aegean Region, Inner Anatolia and Mediterranean simultaneously. With residue data obtained from studies in each three region National Maximum Residue Limit (MRLs) will be determined. MRL residue levels of all the experiments work Aegean Region was established under the tomatoes, pepper, cyprodinil + fludioxonil and acetamiprid on the MRL were detected in Salihli, Menderes

Izmir under trying and have been identified. MRL were found in the experiment on cucumber in Menderes chlorpyrifos Izmir, from the vineyard harvest periods of the experiments, the last pesticide residue was found to underestimate the amount MRL.