



## MINISTRY OF FOOD AGRICULTURE AND LIVESTOCK DİYARBAKIR PLANT PROTECTION RESEARCH STATION

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**National Preferred Duty:** Being an expertise center of the Organic Agriculture and Good Agricultural Practices to protect environment and public health.

**National Mission Area:** Whole Country

**Territorial Mission Area:** Whole Territory

**Regional mission area:** Diyarbakır, Adıyaman, Şanlıurfa, Siirt, Elazığ, Bitlis, Van, Batman, Mardin, Şırnak, Malatya, Bingöl, Hakkari and Muş Provinces

**Provinces which are included in 2010 for Agricultural Quarantine:** Ağrı, Ardahan, Artvin, Bayburt, Erzincan, Erzurum, Giresun, Gümüşhane, Iğdır, Kars, Ordu, Rize and Trabzon Provinces

**Scope of duty:** Management of Plant Pests, Diseases and Weeds



### Entomology

#### Research Activities

- + Investigation and identification of harmful pests (insects, mites, nematodes, rodents and birds),
- + Determination of density of pests and their damage levels,
- + Detection of natural enemies which are important for bio-ecology and epidemiology,
- + Investigating of the most effective and most economical methods to struggle against pests
- + Transferring and sharing applicable results as soon as possible

### Biological Management

#### Research Activities

- + Determination of natural enemies,
- + Protecting and supporting natural enemies in their habits,
- + Mass rearing and usage of biological control agents,
- + Determining relationship between hosts and natural enemies,
- + Investigation of side effects of pesticides on beneficial organisms,
- + Provide usage of research findings in IPM programs,
- + Utilization of natural enemies in IPM programs

### Weed Science

#### Research Activities

- + Finding solutions to control weeds in agricultural areas,
- + Identification of the weeds collected by researchers and brought by farmers to institution
- + Investigation of the management methods of detected weeds,



### Phytopathology

#### Research Activities

- + Conducting researches on Virology, Mycology, and Bacteriology Divisions
- + Detecting and diagnosing fungi, bacteria, phytoplasma, virus and virus-like disease factors
- + Finding spreading rates of diseases and their economic damage level
- + Improving management methods against microorganisms
- + Measuring disease intensities and their level of damage,
- + Determining crop yield and quality losses caused by diseases,
- + Establishing the most effective and economic control methods and sharing those know-how with the growers via provincial agriculture directorates

### Toxicology

#### Research Activities

- + Investigating pesticide residues in agricultural products
- + Conducting researches and trainings on proper use of pesticides
- + Investigating resistance caused by excessive use of pesticides and side effects of pesticides
- + Investigating safe food strategies, formulation, analysis, and analytical capacity of laboratories for developing the infrastructure,
- + Preparing and publishing brochures, posters and distributing via provincial agriculture directorates