

## **Faculty of Agriculture**

### **Department of Horticulture and Agronomy**

#### **Purposes of the department**

The main aims of this department are to find and disseminate the development of agricultural production in the required quantity and quality, without causing harm to the function of the ecosystem and biodiversity, using the principles of the protection of foodstuff. Therefore, the main functions of this department are teaching, doing research, dissemination of research results, preparation of agricultural engineers with a deep knowledge in the field of the environmental and physiological bases of horticultural production, application of modern agricultural techniques and methods of controlling pests and diseases, and solving problems arising in the process of developing new varieties; and after the harvest, varieties which satisfy the requirements of producers and consumers in industry. Other functions of the department include conducting horticulture and agronomy by conserving the plant's genetic resources and the nature of Kyrgyzstan, research, development of projects and policies in this field, our priority being to contribute to the development of agriculture in the country.

#### **Employment prospective**

Graduates have the opportunity of employment:

- at universities and research institutions;
- in public and private institutions whose activities are related to agriculture, trade, industry, development of agriculture and environmental protection, investment companies and banks;
- as technical staff in private firms/companies;
- in companies engaged in the trade of goods for agricultural purposes: seedlings, seeds, pesticides, fertilizers;
- ingreenhouse businesses;
- in companies involved in ornamental plants and gardening;
- at factories producing canned and dried berries, fruits, vegetables;
- in enterprises producing fruit juices;
- in testing laboratories;
- in auditing companies (organic farming and proper agricultural practices);
- in enterprises producing agricultural chemicals;
- at formula feed factories;
- as consultants in projects and enterprises in the field of agriculture;
- as trainers, consultants, managers and so on, in organizations involved in marketing activities and export-import sales;
- in establishing their own independent businesses: farms, greenhouses etc.

#### **Department of Plant Protection**

## **Purpose of the Department**

The program is designed to produce graduates with comprehensive, multidisciplinary training in entomology, plant pathology, nematology and weed science for employment by industrial, extension, and regulatory agencies.

The goal of the Plant Protection is to train students to be proficient in solving the types of pest management problems routinely encountered by growers and other agricultural professionals. Establish the system of plant protection, detection of quarantine objects, control over customs services for food production, to prevent pests, diseases or other contaminants from entering the Kyrgyz Republic and to protect its biosecurity. As well as the development of the agricultural sector, and the training of agricultural engineers who will be able to preserve and enhance the genetic resources of Kyrgyzstan.

### **Graduates of this department have access to employment:**

**In Agro Sector:** as plant pathologists and entomologists, nematologists, herbologists in the detection of pests, diseases and weeds and to organize integrate plant protection system.

**Plant Health Inspection Service :** Quarantine officers work for the government in an area known as biosecurity at various border checkpoints, work in climate-controlled laboratory environments or in the field, helping people more directly avoid food-, animal- or water-borne illness.

**In Agricultural Engineering:** at improving agriculture, reconstructing rural areas in general and agricultural farm structures, soil and water conservation.

**in Agro - Industry Sector:** technologists, scientists and engineers for grain and seed processing, fertilizer and lime, pesticides, herbicide, feed manufacturing, pesticides, herbicide, in biological laboratories and bio factories for biopesticide production.

**Services Sector:** as engineers in industrial laboratories, sanitary and epidemiological institutions, environmental organizations, and certification bodies for agricultural products; as entrepreneurs on farms, in joint stock companies and associations;

**Agricultural Research and Agricultural University:** as scientists in research institutions in the field of agriculture, biology and ecology; as teachers and researchers in agricultural institutes of higher education.