



Food Security, Agriculture and Climate Change

MASHAV's capacity building programs in the area of Food Security, Agriculture and Climate Change aim to harness the full potential of farmers, both men and women, with the goal of attaining the 2030 Agenda Sustainable Development Goal 2: To end hunger, achieve food security and improved nutrition and promote sustainable agriculture.

Water scarcity is the main limiting factor in Israeli agriculture and the country depends on irrigation to increase its crop yields.

Israel's unique climate has necessitated close collaboration between government institutions, scientists and farmers in order to maximize the growth and sustainability of agricultural output in an area with limited natural resources.

Based on Israel's own agricultural and rural development experience to develop the agro and rural sectors under semi-arid and arid climatic conditions, MASHAV's activities include the management of limited natural production resources, introducing applied research and innovative approaches, agro-technologies and agricultural extension, to enhance overall national employment and economic growth.

Following are some of MASHAV's professional programs in the field:

Research & Development

- Agriculture and the Environment: Practices and Processes in Soil and Water
- Food Security & Grain Storage: Technologies and Management
- Integrated Pest Management
- Intensive Agriculture in Arid and Semi-Arid Environments
- Agricultural Engineering Technologies
- Postharvest Physiology, Pathology and Handling of Fresh Commodities
- Bioinformatics and Biotechnology: Today's Tools for Tomorrow's Agriculture in a World of Global Environmental Changes
- Feeding the Future: Food Safety and Technology in Times of Global Change



Agricultural Development

- Agro Ecological Approaches for Sustainable Agriculture
- Agricultural Extension: Methods and Tools
- Intensive Vegetable Production
- Intensive Fruit Production



Water Management & Irrigation

- Implementation of Fertigation for Intensive Agriculture
- Efficient Water Management for Sustainable Agriculture
- Wastewater Reclamation and Reuse in Agriculture
- River Rehabilitation



Livestock Production

- Intensive Aquaculture Production
- Modern Apiculture Management: Honey, By-Products and Pollination
- Intensive Dairy Cattle Husbandry under Different Climatic Conditions

Environment and Climate Change

- Combating Desertification and Drought
- Climate Change and Agriculture
- Environmental Management and Ecosystem Services
- Environmental Management of Nature Parks and Reserves: Focus on Ecosystem Services
- Integrated Solutions to Environmental Problems in Developing Communities



CONTACT US

MASHAV - Israel's Agency for International Development Cooperation
 Ministry of Foreign Affairs
 +972-2-5303220 mashav@haigud.org.il

