



STATE OF ISRAEL



Israel's Agency for International
Development Cooperation
Ministry of Foreign Affairs



MASHAV International Agricultural
Training Center

**MASHAV - Israel's Agency for International
Development Cooperation**

together with

MATC – MASHAV Agricultural Training Center

invite English-speaking professionals to participate in the

International Course on

**Irrigation and Fertigation Technologies
for Sustainable Crop Production**

5th – 22nd June , 2023

Shefayim, Israel



Background

Farming accounts for around 70% of water used in the world today. Having to face climate changes, increasing periods of negative water balance and constantly rising water demand by urban and industrial sectors, countries will be forced to implement irrigation systems in order to promote efficient use of water and ensure sustainable development of their agriculture and improve the living conditions of rural population.

For Israel, water has always represented a chronic problem. Located in an arid - semiarid region, Israel addressed the constraints of limited water resources by consolidating its policy of national water management system and invested great efforts in research and development of agro - technologies that ensure efficient use and management of its scarce water resources.

Implementation of pressure irrigation technologies since the 50's fundamentally changed traditional agricultural practices, boosting the development of a modern and highly productive agriculture.

Drip irrigation and fertigation, agro-techniques that allow supply of water and nutrients according to the demand of the crop, have contributed to transforming land incapable of being cultivated into productive farmland, substantially increasing crop yields while reducing water and fertilizers consumption, as well as promoting reuse of treated waste and marginal water and protection of the environment.

The constant search for greater efficiency in the use of water and nutrients is a challenge for those involved in the sustainable development of agriculture and the well-being of the farmer and his environment.

About the program

Aims

The training program aims to share with participants Israel's acquired experience in the development of intensive and profitable agriculture, based on efficient water management and the implementation of irrigation and fertigation systems adapted to the different crops.

The course will also serve as a platform for discussing the application of the latest methods and technologies in the unique conditions of each participating countries.

Main Subjects

The program will include professional lectures and field visits on:

- Introduction to the agricultural sector in Israel
- Management of water resources
- Crop water and nutritional requirements
- Water quality and treatment
- Fertilizers and nutrient solutions
- Fertigation programming and monitoring
- Applied irrigation and fertigation technologies
- Research and development

General Information

Arrival and Departure

Arrival date: 5th June, 2023

Official opening: 6th June, 2023

Departure date: 22nd June, 2023

Early arrivals/late departures if required, must be fully coordinated in advance with the Embassy of Israel. Participants will have to cover any additional costs that may be incurred from early/late arrival/departure.

Location and Accommodations

The program will be held at MATC - MASHAV's International Agricultural Training Center in Kibbutz Shefayim, situated 20 km north of Tel Aviv and near the coastal city of Netanya. Participants will be accommodated at the Hotel of Kibbutz Shefayim in double rooms.

MASHAV awards a limited number of scholarships. The scholarship covers the cost of the training program including lectures and field visits, full board accommodation in double rooms, health insurance and transfers to and from the airport. Airfares and daily allowance are not included in the scholarship.

Application Requirements

The program is geared towards professional's involved in water management and irrigation projects, directly involved in agricultural development on a national, regional or local level. Candidates should hold an academic degree in related disciplines and at least two years of professional work experience in related fields. A full command of English is required.

Application forms

Candidates must complete the attached Application Form. The completed form, including the health declaration should be sent to the respective Israeli embassy or mission, by **20th of April, 2023**.

General Health Services:

1. **MASHAV'S Medical form/declaration** must be completed and submitted to the Embassy of Israel together with the application form.
2. **MASHAV'S Medical insurance** covers only medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or existing conditions, specific medications taken by the participant on a regular basis, dental care and eyeglasses. Participants will be responsible for all other expenses, which are not covered by the insurance policy. Israeli Health authorities recommend that all visitors to Israel make sure they **have been vaccinated against tetanus in the last ten years**.

About MASHAV

MASHAV – Israel's Agency for International Development Cooperation is dedicated to providing developing countries with the best of Israel's experience in development and planning. As a member of the family of nations, The State of Israel is committed to fulfilling its responsibility to contribute to the fight against poverty and to the global efforts to achieve sustainable development. **MASHAV**, representing Israel and its people, focuses its efforts on capacity building, sharing relevant expertise accumulated during Israel's own development experience to empower governments, communities and individuals to improve their own lives. **MASHAV's** approach is to ensure social, economic and environmental sustainable development, and is taking active part in the international community's process of shaping the Post-2015 Agenda, to define the new set of the global Sustainable Development Goals (SDG).

MASHAV's activities focus primarily on areas in which Israel has a competitive advantage, including agriculture and rural development; water resources management; entrepreneurship and innovation; community development; medicine and public health, empowerment of women and education. Professional programs are based on a "train the trainers" approach to institutional and human capacity building, and are conducted both in Israel and abroad. Project development is supported by the seconding of short and long-term experts, as well as on-site interventions.

Since its establishment, **MASHAV** has promoted the centrality of human resource enrichment and institutional capacity building in the development process – an approach that has attained global consensus.

<https://www.facebook.com/MASHAVisrael>;

<https://mfa.gov.il/mfa/mashav/pages/default.aspx>

About MATC

MATC - MASHAV's International Agricultural Training Center - specializes since 1963 in human capacity building and training programs in the fields of agriculture, water management, environment and rural development. **MATC** conducts international, regional and country tailor made training programs as well as professional visits, workshops and conferences based on Israel's development experience, sharing both agricultural know-how, and Israel's unique spirit of innovation. MATC's training programs conducted in English, Spanish, French, Russian and Arabic, are specifically designed to improve agricultural production in developing countries, to promote food security and to create partnerships through ongoing international cooperation, for enhancing global sustainable development. To this purpose, **MATC** works in close cooperation with Israel's Ministry of Agriculture and Rural Development and its Agricultural Research Organization (ARO), as well as with Israel's universities, agricultural organizations, farmers and the private sector.

<https://matc.mfa.gov.il/>

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