



STATE OF ISRAEL



**MASHAV**

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

**MATC**

MASHAV International Agricultural  
Training Center



**CINADCO**

Center for International Agricultural  
Development Cooperation  
Ministry of Agriculture and  
Rural Development

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The 20th International Agricultural Exhibition and Conference  
MAY 8-10, 2018 TLV Convention Center, Tel Aviv, Israel

**MASHAV**

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

invite English-speaking professionals  
to participate in the

International Course:

# **Irrigation and Fertigation for Intensive Crop Production**

**23<sup>rd</sup> April – 11<sup>th</sup> May, 2018**

**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 Course

### 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 country.

### Main Subjects

The course will include professional lectures and field visits. It will cover the following topics:

- 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

## **Application Requirements**

The course is geared towards professionals from governmental and non-governmental institutions, universities, research institutes and/or private sector involved in agricultural development projects under irrigation as well as in research, extension and / or intensive agricultural production. 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**

Application forms and other information may be obtained at the nearest Israeli mission or at MASHAV's website: <http://mashav.mfa.gov.il/MFA/mashav/Courses/Pages/default.aspx>.

Completed application forms, including the health declaration and recommendation letters, should be sent to the Israeli mission in the respective country, until **6<sup>th</sup> March, 2018**.

## **General Information**

### **Arrival and Departure**

Arrival date: 23<sup>rd</sup> April, 2018 (Check in at 14:00)

Opening date: 24<sup>th</sup> April, 2018

Closing date: 10<sup>th</sup> May, 2018

Departure date: 11<sup>th</sup> May, 2018 (Check out at 11:00)

Participants must arrive at the training center on the arrival date and leave on the departure date. Early arrivals or late departures if required, must be arranged by the participants themselves, directly with the hotel/center, and must be paid for by the participant him/herself.

### **Location and Accommodation**

The course will be held at MATC - MASHAV's International Agricultural Training Center at Kibbutz Hotel Shefayim, situated 20 km north of Tel Aviv near the coastal city of Netanya.

Participants will be accommodated at Hotel Kibbutz Shefayim in double rooms (two participants per room).

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.

### **Health Services**

Medical insurance covers medical services and hospitalization in case of emergency. It does not cover the treatment of chronic or serious diseases, 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 policy conditions. Health authorities recommend that 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.

<http://mashav.mfa.gov.il>

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

## 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 specific courses as well as professional study-tours, workshops and conferences based on Israeli agricultural know-how, innovation, and development experience. Its 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 as well as ongoing international cooperation for sustainable development.

**MATC** works in close cooperation with Israel's Ministry of Agriculture and Rural Development and its Center for International Agricultural Development Cooperation - CINADCO.

<https://www.facebook.com/MATCShefayim>

## About CINADCO

**CINADCO** – The Center for International Agricultural Development Cooperation within the Israeli Ministry of Agriculture and Rural Development (MOAG) operates as MASHAV’s professional affiliate in the framework of agricultural development cooperation projects. **CINADCO** is a unique, professional organization working in cooperation with experts from the MOAG's Extension Services, Plant Protection and Inspection Services, the Veterinary Services and its Agricultural Research Organization (ARO).

**CINADCO's** agricultural cooperation programs consist of on-the-spot courses, long and short-term projects and advisory missions, as well as training programs in Israel in partnership with the Ministry of Agriculture's ARO and MATC- MASHAV's International Agricultural Training Center.

**CINADCO's** professional activities focus mainly on human capacity building, the transfer of knowledge and the provision of professional support. Israeli agricultural experts are dispatched to developing communities around the world to implement projects and share Israel's experience in the various aspects of agricultural development.

**CINADCO** is currently engaged in agricultural projects in dozens of countries around the world including the establishment of centers of excellence, training activities in crop and livestock production, water management, irrigation and desert agriculture as well as farm management and agro-business initiatives.

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For further information, please contact:

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