



STATE OF ISRAEL



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



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

International course on:
**MODERN APICULTURE MANAGEMENT:
HONEY, BY-PRODUCTS AND POLLINATION**

22nd April – 13th May ,2013



About the course

Background

Apiculture is a feasible way to help the developing world to work its way out of poverty, while at the same time maintaining natural biodiversity. Bees do not require daily attention and beekeeping does not take up valuable land or time which would have been spent on other farming activities. It can be practiced by males and females of all age groups and it helps generate self-reliance. Beekeeping associations or cooperatives can encourage contacts between rural people.

Issues facing developing countries include poverty, climate change, deforestation, loss of biodiversity, water shortages, pollution and urban sprawl. While beekeeping cannot cure all of these it offers a feasible and wholly environmentally beneficial activity that helps fight against these problems. Apiculture gives some of the world's poorest people the opportunity to harvest commodities of international quality and value.

In Israel there are 90,000 Langstroth beehives that are kept by 500 beekeepers located all over the country. The bee most commonly kept today in Israel is the Italian bee, *Apis mellifera L. Var. Ligustical Spin.* Israeli Beekeepers have adopted advanced and efficient methods of mechanization and breeding in order to increase their honey, resulting in an average annual honey production of 45kg per hive (The Israel Honey Board). In addition to the excellent yield and the quality of honey other uses of the colonies have been developed, such as crop pollination and apiary products. This has been the result of a coordinated effort among the various governmental and private bodies in the fields of research, extension, marketing and promotion. A special breed selection and an experimental station have been established, where advanced techniques of breeding are being developed to improve the genetic quality of the colonies. Research into the developing of new mechanized tools for more efficient production methods have also been undertaken.

Aims

The course aims to share Israel's experience and applied research, taking into consideration the adaptability of methods and technologies, to meet local conditions in each participant's country. After completion of this course it is envisaged that the participant will be able to understand, and as a result implement the knowledge gained to the benefit of the beekeeping industry in their respective countries.

The Program

The course will include professional lectures and visits on the following subjects:

- Genetics, anatomy, physiology and biology of the honey bee
- Hive management and production
- Crop pollination
- Queen rearing
- Economics of production
- Pathology and Parasitology of Bees
- Mechanization and technology
- Sanitation and health
- Quality Assurance
- Honey by Products

Requirements

The training is geared towards professionals involved in horticulture production. Candidates should hold an academic degree in related disciplines and at least two years of professional work experience in apiculture. A full command of English is required.

Application

Application forms and other information may be obtained at the nearest Israeli mission and at Israel's Foreign Ministry's website: <http://mashav.mfa.gov.il> (in Contact Us → Information and Registration). Completed application forms, including the medical form should be sent to the relevant Israeli mission and to the CINADCO Training Center in Israel until the **5th March, 2013**. Fax N^o: +972 9 959 5733 or E-mail: rochale@cinadco.co.il

General Information

Location and accommodation

The course will be held at CINADCO's International Training Centre at Kibbutz Hotel Shefayim, situated 20 km north of Tel Aviv near the coastal city of Netanya.

Transportation

Participants will be transported from and to Ben Gurion airport, without charge, by Tal Limousine Company, which is located on the mezzanine level at the Arrivals Hall. Participants are requested not to take any other transport company.

Clothing

The course will be held in spring. Temperatures may vary between 18°C and 25°C with, it is therefore recommended to bring suitable clothing, comfortable walking shoes for field trips and swimwear.

Insurance

The participants are medically insured by a health insurance policy. This policy does **not** cover the treatment of chronic or serious diseases, dental care, eyeglasses, pregnancy and specific medication taken by the participant on a regular basis. Participants are required to bring with them their usual medication. No insurance of personal belongings like money, video cameras, laptops or jewelry will be provided.

About MASHAV

MASHAV – Israel's Agency for International Development Cooperation - at Israel's Ministry of Foreign Affairs was founded in late 1957, and is responsible for the design, coordination and implementation of the State of Israel's development cooperation programs.

MASHAV concentrates on human and institutional capacity building by sharing Israel's own development experience and expertise, imparting know-how and transferring innovative technologies and tested methodologies adaptable to developing country needs.

MASHAV's approach is to ensure social, economic and environmental sustainable development, joining the international community's efforts to implement the Millennium Development Goals by 2015.

In events of natural disasters, MASHAV also provides humanitarian assistance and participates in reconstruction and rehabilitation efforts. <http://mashav.mfa.gov.il>

About CINADCO

The Center for International Agricultural Development Cooperation (CINADCO) is a part of the Israel Ministry of Agriculture and Rural Development. Since 1958, CINADCO has been in charge of the International Agricultural program conducted by MASHAV in Israel and abroad. CINADCO's activities consist of: International and country "tailor-made" courses in Israel, on-the-spot courses, long- and short-term projects and advisory missions. Israeli experts have also been sent to different locations around the world to conduct projects and to share their expertise in various aspects of agricultural production, extension and project planning. <http://www.cinadco.moag.gov.il/cinadco>

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