Open Day
ICBA Headquarters, Dubai, United Arab Emirates
May 2, 2016

Agenda

10:00 Arrival of delegations and registration
10:30 Opening remarks
10:40 Introduction of participants
11:00 Presentation on ICBA innovative research
11:30 Discussion
12:00 Group photo
12:10 Tour of ICBA Soil Museum and laboratories
12:25 Tour of ICBA research fields
13:30 Lunch
14:30 Exhibition of ICBA posters
15:30 Departure

International Center for Biosaline Agriculture (ICBA) is an international, non-profit agricultural research center working towards sustainable agricultural production in saline and marginal environments around the world. Established in 1999, the Center is hosted by the United Arab Emirates. Most of the Center’s research and innovation initiatives are supported by its strategic core partners such as the Ministry of Climate Change and Environment of the UAE, the Environment Agency - Abu Dhabi, and the Islamic Development Bank.

ICBA is one of only a few international research organizations in the world that work on natural resources management systems that address agricultural challenges in marginal environments. Over the years, the Center has grown into a leading hub of agricultural research and innovation.
Soil Museum
ICBA's Soil Museum boasts a collection of outdoor and indoor exhibits providing visitors with a unique learning experience and demonstrating how the quality of sandy soils can be improved through using organic and inorganic amendments and become more productive.

Date Palm
In an area of 2.5 hectares, ICBA scientists carry out research to assess the long-term impact of different levels of irrigation water salinity on the growth, development, and production of several varieties of elite date palm varieties that are common in the UAE.

Gene Bank
ICBA's gene bank stores a collection of more than 12,600 accessions of some 230 species with proven or potential salt tolerance from 134 countries. This collection provides a unique source of genetic diversity to scientists working on problems of salinity in agricultural production systems.

Integrated Aqua-Agriculture Systems
Research is under way in an area of 1.5 hectares to show on-farm management of available water resources (freshwater and brine) produced from desalination units to reduce environmental hazards while maximizing profitability by growing aquatic and halophytic species.

Forage Production System
ICBA works to introduce integrated livestock and forage production systems to areas affected by water shortage and salinity. The Center also builds the capacity of small-scale farmers to produce, process and store forages and animal feed.
**SCADA**
ICBA's SCADA is a control system that combines up-to-date, real-time data from weather stations with data from soil moisture and salinity sensors. It helps to test crops for salinity tolerance and optimize water productivity, and ensure accuracy of experimental conditions.

**Greenhouse and Net House**
ICBA's new design of greenhouse and net house cuts down on the use of water and energy and keeps optimum quality and production of crops at the same time, similar to plants grown in traditional greenhouses.

**Treated Wastewater**
An area of 1 hectare is used to evaluate the impact of using treated municipal wastewater for irrigation on vegetables, landscaping plants, forage, date palms and agricultural production systems.

**Salicornia as Biofuel**
Biofuel crops can be grown in non-conventional agricultural production systems in highly saline conditions including sea water. ICBA's focus is on tree species and crops that can be grown in coastal regions, in particular selecting best-performing Salicornia populations in terms of seed and biomass production for future breeding and commercial purposes.

**Central Analytical Laboratory**
ICBA's central analytical laboratory provides high-quality laboratory services in chemical, physical, engineering and nutritional analysis of soil, water and other materials using internationally recognized standards and procedures.

**Central Analytical Laboratory**
ICBA's central analytical laboratory provides high-quality laboratory services in chemical, physical, engineering and nutritional analysis of soil, water and other materials using internationally recognized standards and procedures.

**Salicornia**
Salicornia crops can be grown in non-conventional agricultural production systems in highly saline conditions including sea water. ICBA's focus is on tree species and crops that can be grown in coastal regions, in particular selecting best-performing Salicornia populations in terms of seed and biomass production for future breeding and commercial purposes.

**Central Analytical Laboratory**
ICBA's central analytical laboratory provides high-quality laboratory services in chemical, physical, engineering and nutritional analysis of soil, water and other materials using internationally recognized standards and procedures.

**Greenhouse and Net House**
ICBA's new design of greenhouse and net house cuts down on the use of water and energy and keeps optimum quality and production of crops at the same time, similar to plants grown in traditional greenhouses.

**Treated Wastewater**
An area of 1 hectare is used to evaluate the impact of using treated municipal wastewater for irrigation on vegetables, landscaping plants, forage, date palms and agricultural production systems.

**Salicornia as Biofuel**
Biofuel crops can be grown in non-conventional agricultural production systems in highly saline conditions including sea water. ICBA's focus is on tree species and crops that can be grown in coastal regions, in particular selecting best-performing Salicornia populations in terms of seed and biomass production for future breeding and commercial purposes.
برنامج الزيارة

وصول المشاركين والتسجيل
10:00
كلمة الافتتاح
10:30
تعريف بالمشاركين
10:40
عرض موجز للأنشطة البحثية للمركز الدولي للزراعة الملحية
11:00
مناقشة
11:30
مناقشة
12:00
صورة جماعية
12:10
زيارة متحف التربة والمختبرات الرئيسية
12:20
زيارة أهم الحقول البحثية للمركز
12:25
الغداء
13:30
جولة في معرض بوسترات المشاريع البحثية للمركز
14:30
المغادرة
15:00

المبادرات الاستدامة في الإنتاج الزراعي في البيئات الملحية والهامشية حول العالم. تأسست في العام 1999، وتقع تحت مسؤولية دولة الإمارات العربية المتحدة. يركز المركز على تنفيذ بحوثه في مجالات الزراعة الملحية والهامشية. يهدف المركز إلى تحقيق الاستدامة في الزراعة في البيئات الملحية والهامشية، وتعزيز الابتكار الزراعي في هذه البيئات. يُصنف المركز ضمن منظمات البحوث الدولية المعدودة في العالم العاملة في مجالات التوجيه الإداري والتقنية من أجل النباتات والبيئة. تأسس المركز في العام 1999، وتقع تحت مسؤولية دولة الإمارات العربية المتحدة. يركز المركز على تنفيذ بحوثه في مجالات الزراعة الملحية والهامشية، وتعزيز الابتكار الزراعي في هذه البيئات. يُصنف المركز ضمن منظمات البحوث الدولية المعدودة في العالم العاملة في مجالات التوجيه الإداري والتقنية من أجل النباتات والبيئة.