

Training course

Developing techniques for climate-resilient rice production systems in sub-Saharan Africa



Host

Mr. Mayoro Niang, Regional Manager, IsDB, Abuja, Nigeria

Organizer

International Center for Biosaline Agriculture (ICBA), United Arab Emirates

Funding

Islamic Development Bank (IsDB), Jeddah, Saudi Arabia

Trainers

Dr. Rakesh Kumar Singh, Program Leader and Principal Scientist, Crop Diversification and Genetics, ICBA, Dubai, UAE

Dr. Henda Mahmoudi, Plant Physiologist, ICBA, Dubai, UAE

With support from:

Dr. Ahmed H. El-Naggar, Soil Management Scientist, ICBA, Dubai, UAE

Coordinators

Mr. Momoh Godday, Head of Administration, Regional Hub of Abuja (RHA), Country Relations and Services (CRS), IsDB, Abuja, Nigeria

Mr. Ghazi Al-Jabri, Capacity Building Specialist, ICBA, Dubai, UAE

Date: 15-19 July 2019

Venue: Abuja, Nigeria

Course highlights

The African continent has been experiencing a consistent increase in the demand for rice. Rice has in the past three decades grown in popularity to become a major feature in the continental diet. It currently takes first position on the list of fastest growing staple foods.

In the early 1970's, it was mostly consumed during special events, but it has gradually replaced yams, sweet potatoes and cassava on the dinner table. This growth has been shown to have a direct link to the growing incomes, rapid urbanization rates as well as population growth in many of the countries.

It is also associated with the change experienced in the occupational structure of the African family. As more women join the workforce, they are capable of buying such convenience foods that require shorter preparation times. At the same time, more men live and work in the urban space away from their families. In these spaces, such foods are also given higher priority than their traditional alternatives.

Only a handful of countries are self-sufficient in meeting rice demand in Africa. Of the total volume consumed annually, about a third is imported mostly from Asian countries. However, there are exceptional performers in rice production on the continent. Also, there have been numerous initiatives to encourage rice cultivation and increase the production capacity.

Taking into consideration also the climate change issues that affect all crop production globally including rice, it is important to develop climate-resilient rice production systems in sub-Saharan Africa to meet the increased demand to the crop.

The course will target participants from Nigeria and other sub-Saharan Africa countries.

ICBA will organize the course in partnership with the Islamic Development Bank (IsDB).

Agenda

Monday, 15 July 2019

08:30-09:30	Registration
09:30-10:30	Opening session Statement by IsDB Statement by ICBA Introduction of trainers and participants Presentation on ICBA Group photo
10:30-11:00	Coffee break

11:00-12:30	Session 1: Rice, a climate-resilient crop, for diverse ecologies, Dr. Rakesh Kumar Singh
12:30-13:30	Lunch break
13:30-14:45	Session 2: Crop production system by 2050 if adverse effects of climate change are not addressed – with special reference to rice, Dr. Henda Mahmoudi & Dr. Ahmed El-Naggar
14:45-15:00	Coffee break
15:00-16:15	Session 3: Soil suitability and water requirements for rice, Dr. Henda Mahmoudi & Dr. Ahmed El-Naggar
16:15-16:30	Discussion on the day sessions

Tuesday 16 July 2019

09:00-10:30	Session 4: Nursery / field management (Fertilizer requirements and weed management), Dr. Henda Mahmoudi
10:30-11:00	Coffee break
11:00-12:30	Session 5: Understanding of rice morphology – a prerequisite for the quality seed production, Dr. Rakesh Kumar Singh
12:30-13:30	Lunch break
13:30-14:45	Session 6: Understanding of rice morphology – a prerequisite for the quality seed production, Dr. Rakesh Kumar Singh (Contd.)
14:45-15:00	Coffee break
15:00-16:15	Session 7: Plant Protection measures (IPM vs chemical control), Dr. Henda Mahmoudi
16:15-16:30	Discussion on the day sessions

Wednesday 17 July 2019

09:00-10:30	Session 8: Quality Seed Production - Seed value chain, Dr. Rakesh Kumar Singh
10:30-11:00	Coffee break
11:00-12:30	Session 9: Seed Certification Requirements, Dr. Rakesh Kumar Singh
12:30-13:30	Lunch break
13:30-14:45	Session 10: Importance of Post-Harvest Processing, Dr. Rakesh Kumar Singh & Dr. Henda Mahmoudi
14:45-15:00	Coffee break
15:00-16:15	Session 11: Importance of Post-Harvest Processing (Contd.)
16:15-16:30	Discussion on the day sessions

Thursday 18 July 2019

09:00-10:30	Session 12: Practical exercise on seed qualities and post-harvest, Dr. Rakesh Kumar Singh, Dr. Henda Mahmoudi & Mr. Ghazi Al-Jabri
10:30-11:00	Coffee break
11:00-12:30	Session 13: Rice Varietal improvement for salt, drought and submergence, Dr. Rakesh Kumar Singh & Dr. Henda Mahmoudi
12:30-13:30	Lunch break
13:30-14:45	Session 14: Course re-cap, Dr. Rakesh Kumar Singh & Dr. Henda Mahmoudi
14:45-15:00	Coffee break
15:00-16:15	Session 15: Course re-cap (Contd.)

Friday 19 July 2019

09:00-12:30	Visit activities (TBD)
12:30-13:30	Lunch break
13:30-14:00	Course Evaluation
14:00-14:45	Closing session Speech of IsDB Speech of ICBA Feedback from participants Certificates Group photo
14:45-15:00	Farewell coffee break