

Crop Diversification & Genetic Improvement



Section Goals

- Identify sustainable solutions for agricultural production enhancement in marginal environments
- Provide management practices and technologies that are affordable, to farmers
- Provide new genotypes of nutritious and stress tolerant crops
- Strengthen capacity of national partners

Key Objectives

- Evaluate newly developed and wild genotypes of high-value crops for food, feed and fuel under climate change impacts in marginal environments of CAC, SSA and Gulf Region
- Assess, conserve and utilize the biodiversity and new genetic resources
- Assessment of the impact of salinity on date palm varieties and identification of salt-resistant varieties
- Genetically improve crops tolerance to marginal conditions
- Develop salt-tolerant seeds production programs
- Alternative water use for production of field crops and high value crops under marginal condition
- Improve seawater-based agriculture production systems

