

# Objectives

## **A. Crop Improvement**

- To develop short-duration, high-yielding and fertilizer-responsive rice and groundnut varieties for South Gujarat conditions.
- To develop CGMS-based hybrid rice varieties with higher yield potential and adaptability.
- To develop rice varieties tolerant to major biotic and abiotic stresses.
- Conducting the various state level trial as well as central level trails on transplanted rice, drilled rice and groundnut.
- Conducting various state level trials on Sorghum, Castor, Mustard and Sesame.

## **B. Crop Production and Cropping Systems**

- To develop and refine improved production technologies for newly released rice varieties.
- To develop improved production technologies for summer groundnut cultivation under South Gujarat conditions.
- To conduct research on rice-based cropping systems for enhancing productivity and sustainability.

## **C. Natural Resource Management**

- To conduct research on soil and water management technologies for efficient and sustainable use of natural resources.

## **D. Seed Production**

- To produce breeder seed of paddy to support the seed multiplication chain.
- To produce and distribute quality seed of other crops also including sorghum, Gram, Indian bea, Susbenia, Turmeric and Niger etc to farmers.

## **E. Extension and Technology Transfer**

- To organize Farmers' Day, Farmers' Training Programmes (Shibirs), and other extension activities for effective transfer of technology to farmers.