

Mandate

Water Management

- To workout the water requirement and scheduling of irrigation of mandate crops/ cropping sequences
- To study and develop the design criteria of different surface irrigation methods for efficient use of water
- Feasibility studies of pressurized irrigation methods along with fertigation and mulching
- To develop mulching technologies for different crops
- Basic studies on soil-water-plant relationship
- Drainage requirement studies for water logged and saline soils of command areas

Soil Management

- Characterization and management of salt affected soils of South Gujarat (coastal and inland)
- Crop suitability based land use planning
- Moisture retention and release characteristics of the soils command areas and state
- Creation of data base for soils of Gujarat with special reference to water logging and salinity
- Training to the farmers, officers, VLW *etc.*

Research Project in operation

- Establishment of Main Irrigation Research Station (Non Plan)
- All India Co-ordinated Research Project on Water Management (ICAR)
- Strengthening of the Existing Department of Water Management (Plan)
- Establishment of Soil and Water Management Training Centre (Plan)
- Centre of Excellence for Soil and Water Management Technologies (Plan)
- Centre of Excellence on precision farming in agriculture (Plan)
- Maximization of total factor productivity on Banana production system
- Strengthening of Main Irrigation Research (Plan)
- Research on Land Use Planning (Plan)

- Precision Farming Development Centre (Other agencies)
- Research on Inland Salinity due to Canal Irrigation (Plan)
- N.A.R.P. Phase – II (Non Plan)

Satellite Centers

1. Coastal Salinity Research Station, NAU, Danti, Umbharat
2. Agricultural Research Station, NAU, Tanchha
3. Fruit Research Station, NAU, Paria
4. Agricultural Research Station, NAU, Achhalia
5. Regional Rice Station, NAU, Vyara