

Crop Improvement

❖ Breeding and Screening of paddy varieties suitable for coastal salt affected soil

Breeding Strategy

- Salt tolerant
- High yielding
- Grain type

Ongoing Research

- Station trials
- AICRIP trials
- IRRI trials

Work Plan

- Conventional Breeding
- Special Breeding
- Germplasm maintenance

Improved Agro techniques

Nutrient management

- Fertilizer Schedule
- Use of green manure, bio compost, Neem cake
- INM

Water management

- Irrigation Schedule
- Method of irrigation
- Suitability of saline water for irrigation

Crop Cultivation

- Date of sowing
- Optimum seed rate
- Land configuration
- Crop sequence
- Mulching with black plastic/crop residue

Soil Improvement

❖ Develop reclamation techniques for coastal salt affected soils

Chemical

- Effect of gypsum
- Gypsum requirement
- Effect of different forms of gypsum

Biological

- Trees
- Grass
- Green manures
- Crop residues