

ERODE DISTRICT

DEPARTMENT OF AGRICULTURE



Strategies to Achieve Food Production

- Analysing yield potential villagewise.
- Identification of Yield gap
- Bridging yield gap
- Deriving Crop Plan - farm holding wise
- Planning for different scenarios normal, deficit, excess rainfall situations
- Interventions by Department of Agriculture
 - a) Scheme intervention
 - b) Technological intervention
 - c) Extension intervention
 - d) Research intervention

a) Scheme Intervention

- TANSEDA (SEEDFARM – SEED PROCUREMENT – SEED DISTRIBUTION)
- NADP
- NMSA
- NFSM-Rice
- NFSM-Pulses
- SEED VILLAGE
- MICRO IRRIGATION
- ATMA
- AGRISNET - FCMS

b) Technological Intervention

- Varieties suited to agro climatic conditions
- SRI, SPI, Red gram transplantation
- Organic Manuring
- Irrigation technologies to better the water budgeting (MI, farm ponds, Rain gun, Mobile sprinkler etc)
- Nutrient Management
- Utilization of Bio-Pesticides
- Plant protection – Need based – Resistant varieties (cotton mealy bug, Paddy blast etc)
- PPFM spray to mitigate drought conditions
- Farm Mechanization

c) Extension intervention

- Reconciliation of area – Maintenance of parallel Adangal
- Periodical village level training to farmers on crop production technologies
- Periodical training on latest crop production technologies to Extension functionaries
- Utilizing ATMA farmers friend
- On Farm Trail on new varieties
- CES and NAIS experiments, FCMS
- Village level campaigns

- State level seminar for Red gram transplantation
- Demonstration
- Farmers training
- Farmers Field Schools
- Officers training
- State level workshop
- District level seminar
- Exposure Visits – Farmers (within the State)
- Exposure Visits – Farmers (Outside the State)
- Voice SMS
- Text SMS
- Uploading Photos and Technical News in AGRISNET and FCMS Websites.

d) Research Intervention

- Soil amelioration technologies for dry lands.
- New varietal development (drought tolerant, pest resistant, market oriented etc.)
- Irrigation technologies to suit dry land requirements and salinity problem.
- Improved Mechanization Practices.
- Invention of Pulse Harvester.
- Conduct of OFT, ART, Minikit, Demonstrations.

Bio- Fertilizer Production centre at Bhavani

Erode District Bio-Fertilizer production lab is located at kuruppanaikkanpalayam village, Bhavani taluk. The centre is constructed at a cost of 90.50 lakhs during the financial year 2009-2010. This unit having the production capacity of 250 MT per year. The following bio-fertilizers are produced and supplied to the farmers in the district.

1. Azospirillum for paddy and other crops
2. Rhizobium for pulses and ground nut

3. Phospho- bacteria for all crops

Coconut Parasite Breeding Station at Gobichettipalayam

Coconut Parasite breeding station is located at Gobichettipalayam block. These units produce Braconid parasites to control the Black hairy caterpillar. Annually 2.5 Lakhs Braconid parasites produced and supplied to farmers.

Sugarcane Parasite Production Centre

The sugarcane parasite production centre is located at Gobichettipalayam. Here Trichogramma japonicum & Trichogramma chilonis Egg parasites are produced. Leaf folder in paddy and cotton boll worms are controlled by release of Trichogramma chilonis. 1250 CC parasites are produced per year. In the parasites approximately Enough for 500 ha and here NPV also produced and approximately used for 500 ha.

Bio Control Lab at Bhavani

The Bio control lab is located at Kuruppanaikpalayam Govt. Seed farm from 01.07.1995 onwards. Here Trichogramma sp. and NPV for Spodoptera worms are produced and their productivity is one lakh Trichogramma sp., 2000 Kg of Trichoderma viridi and 250 Kgs Pseudomonas per year and supplied to farmers.

State Coconut seedling farm at Bhavanisagar

The state coconut seedling farm and state oil seed farm is located at Bhavanisagar. It started and functioned at Bhavani from 11.07.1980 onwards. Later it was shifted to state oil seed farm at Bhavanisagar. Here Tall and Tall x Dwarf seedlings are produced and supply to our farmers.

State oil seed production Farm at Bhavanisagar

Foundation seed farm started and functioned at Bhavanisagar on 1952 onwards. Later it was change to under the control of Department of Oil seeds, and to Department of Agriculture so the state oil seed form under the control of Department of Agriculture.

Total land area in the farm is 33.14 acre. Its 7.03 acres is only cultivable of crops.

Its main aim is, Groundnut and Gingelly like main oil seed production (for seeds) in Breeder seed, Foundation seeds and certification seeds. The seeds are supply to farmers with the help of Block Agriculture Extension Centre.

Govt. Seed farm at Bhavani

The Govt seed farm units started and functioned at Bhavani on 23.09.1957. In the seed farm total area is 73.61 acre. At present 61.00 acre is only cultivable land. The seed farm has irrigation facilities like canal. Here paddy, pulses, Gingelly and Hybrid Rice foundation seeds are produced. And also Blue green algae and green manures are produced and distributed to farmers.

Seed processing unit at Bhavani

This seed processing unit is located at Bhavani on 23-09-1978. Main aim of the unit is to supply good quality of seeds to farmers. Seed processing capacity is 1000 MT.

Govt Seed farm at Sathy

The Govt seed farm is started and functioned at sathy on 01.03.1960. Total area is 41.89 acre. At present 31.10 acre is only cultivable land. Areas irrigated through river 16.1 acres and through open well 20 acre. Here foundation seeds like paddy, sorghum, pulses, gingelly, cotton and Tomato produced and also distributed to farmers.

Mini Seed processing unit at Sathy

The mini seed processing unit is located at sathy Govt farm in 1982 onwards.

Soil Testing Lab Erode

Soil testing lab located at Erode District on 23.07.1983 only required amount of numbers to

1. Soil testing for application for crops. It will help of the higher yield.

2. Water testing for analysis of water pH content and its remediation.
3. Soil testing for identification and solution for saline, alkaline and acid soils.

Mobile Soil Testing Lab Erode

1. This lab was started and functioned at Erode on 23.07.1983 onwards.
2. It is very helpful to farmers for fertilizer application (limited quantity only)
3. Water testing is useful to farmers for analysis of water pH level and its solution.
4. Identify the acid and alkaline soil and provide the management techniques, soil information to farmers.
5. Demonstration was conducted in farmer field for Integrated Nutrient management techniques.
6. Creating the awareness about soil sampling to the farmers.

Pesticide Testing Lab at Erode

Pesticide Testing Lab was started at Erode on 02.11.1983 onwards.

AIM:

1. Chemical composition analysis for pesticide.
2. Identify the non-standard pesticide and take action under the Pesticide act -1968
3. Ensure the good quality pesticide to farmers.

AGRICULTURAL TECHNOLOGY MANAGEMENT AGENCY (ATMA)

ERODE DISTRICT.

The Centrally sponsored scheme “Support to State Extension Programmes for Extension Reforms” is an ongoing scheme being implemented since 2005-2006 in Erode District. Mainly for increasing the agricultural production, net profit of farming community and their standard of living. To achieve this ATMA working as agency integrating the all Agricultural Extension functionaries in the following categories.

- Strategic research and extension plan (SREP)
- Farmer Oriented Activities

- **Farmer information and dissemination**
- **Agricultural Technology refinement, validation and adoption.**

Farmers Training Centre – Erode District

Erode District Farmer Training Centre (FTC) started and functioned at Dharapuram on 02.10.1980 onwards. Later it was shifted to Bhavani on 01.10.1983. At present, functioning at Joint Director of Agriculture Office, Erode from 01.10.2001.

Main Aims:

- 1. Formation of Farmers discussion group at village level & monitoring their performance.**
- 2. To conduct village based farmers training and farmer discussion group training at Block level**
- 3. To conduct farmer days celebration at district level and distribution of prizes to the best conveners.**
- 4. To arrange farmers educational Tour.**
- 5. To Help the farmers to know the Agriculture department and allied sector scheme details and recent development in Technologies through monthly magazine “Uzhavar Murasu”**