Tamil Nadu Agricultural University

# ANNUAL REPORT 2008-09

## ICAR-KRISHI VIGYAN KENDRA

SIKKAL, NAGAPATTINAM -611 108

# PROFORMA FOR ANNUAL REPORT 2008-09

## 1. GENERAL INFORMATION ABOUT THE KVK

### 1.1. Name and address of KVK with phone, fax and e-mail

| Address | Telephone | | E mail | Web Address |
|---|---|---|---|---|
| Krishi Vigyan Kendra<br>Tamilnadu Agricultural University<br>Sikkal, Nagapattinam – 611 108. | Office<br>04365-246266 | FAX<br>Nil | kvksikkal@tnau.ac.in | - |

### 1.2 .Name and address of host organization with phone, fax and e-mail

| Address | Telephone | | E mail | Web Address |
|---|---|---|---|---|
| | Office | FAX | vctnau@tnau.ac.in | |
| Tamilnadu Agricultural University<br>Coimbatore -641 003 | 0422-2431222 | | | - |

### 1.3. Name of the Programme Coordinator with phone & mobile No

| Name | Telephone / Contact | | |
|---|---|---|---|
| | Residence | Mobile | Email |
| Dr.K.C.GOUTHAMAN, Ph.D., | 04313-2223127 | 9442183127 | **kvksikkal@tnau.ac.in** |

### 1.4. Year of sanction: 2004

**1.5. Staff Position (as on 15th September 2008)**

| Sl. No. | Sanctioned post | Name of the incumbent | Designation | Discipline | Highest Qualification (for PC, SMS and Prog. Asst.) | Pay Scale with present basic | Date of joining | Permanent /Temporary | Category (SC/ST/ OBC/ Others) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Programme Coordinator | Dr.K.C.Gouthaman | Professor & Head | Agronomy | | | 20.05.2005 | Permanent | |
| 2 | Subject Matter Specialist | Dr.R.Rajendran | Professor | Agrl.Entomology | | | 15.05.2006 | Permanent | |
| 3 | Subject Matter Specialist | Dr.C.Vijulan Harris | Professor | Horticulture | | | 14.06.2007 | Permanent | |
| 4 | Subject Matter Specialist | Dr.K.A.Jeyakumar | Professor | Agrl.Extension | | | 01.03.08 | Permanent | |
| 5 | Subject Matter Specialist | Dr.R.Revathi | Associate Professor | Horticulture | | | 01.11.07 | Permanent | |
| 6 | Subject Matter Specialist | Dr.D,Jayanthi | Asst.Professor | SS&AC | | | 25.5.2005 | Permanent | |
| 7 | Subject Matter Specialist | Vacant | | | | | | Permanent | |
| 8 | Programme Assistant(Technical) | Th.V.Gnanabharathi | Programme Asst. | B.Sc.,(Agri.) | | | 05.06.207 | Permanent | |
| 9 | Programme Asst. (Computer) | Tmt.R.Poomathi | Assistant | Office | | | 07.05.2008 | Permanent | |
| 10 | Farm Manager | Th.R.Vedharethinam | Farm Manager | Agronomy | | | 05.06.2007 | Permanent | |
| 11 | Accountant / Superintendent | Th.A.Somasundaram | Asst.Accts.Officer | Office | | | 14.05.2007 | Permanent | |
| 12 | Stenographer | -- | | | | | | | |
| 13 | Driver | Th.S.Johnson | Driver | Office | | | 23.08.2007 | Permanent | |
| 14 | Driver | Th.R.Ponnar | Mech.Gr.II | Office | | | 13.05.2005 | Permanent | |
| 15 | Supporting staff | Th.B.Vinayagam | Office Assistant | Office | | | 06.09.2006 | Permanent | |
| 16 | Supporting staff | Vacant | | | | | | | |

**Total land with KVK (in ha) :**

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | 1.46 ha |
| 2. | Under Demonstration Units | - |
| 3. | Under Crops | 2 ha |
| 4. | Orchard/Agro-forestry | - |
| 5. | Others | 21.14 |

## 1.7. Infrastructural Development:

### A) Buildings

| S. No. | Name of building | Source of funding | Stage | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Complete | | | Incomplete | | |
| | | | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | ICAR | - | - | 41.65 | Feb.2006 | 548 $m^2$ | Nearing Completion |
| 2. | Farmers Hostel | ICAR | - | - | 26.38 | - | 300 $m^2$ | Nearing Completion |
| 3. | Staff Quarters (6) | ICAR | - | - | 31.30 | - | 400 $m^2$ | Nearing Completion |
| 4. | Demonstration Units – PF | ICAR | - | - | 2.00 | - | - | - |
| 5 | Demonstration Units – IFS | RSVT Agri. | - | - | 9.00 | - | - | In progress |
| 6 | Fencing | - | - | - | | - | - | - |
| 7 | Rain Water harvesting system | Ag.Eng. Nagai | Aug.07 | 2100 $m^2$ | | - | - | - |
| 8 | Threshing floor | - | - | - | | - | - | - |
| 9. | Farm godown | - | - | - | | - | - | - |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---|---|---|---|---|
| Four Wheeler Bolero Jeep | 2004 | 4,88,210/- | 73000 | Good Condition |
| Two Wheeler | 2006 | 39,641/- | 32500 | Good Condition |

### C) Equipments & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|---|---|---|---|
| Tractor (TN-51-C-1924) | 2004 | 3,47,607 | Good |
| Rotovator | 2004 | 68,500 | Good |
| Cultivator | 2004 | 14,645 | Good |
| Cage Wheel | 2004 | 11,684 | Good |
| Leveler | 2004 | 8,922 | Good |
| Digital Camera | 2006 | 19,950 | Good |
| Computer with Accessories | 2005 | 75,000 | Good |
| Xerox Machine | 2005 | 73,968 | Good |
| Flow through paddy thresher | 2006 | 50,000 | Good |
| Agro Shredder | 2006 | 25,605 | Good |
| Laminar air flow chamber | 2007 | 37,856 | Good |
| Autoclave-vertical | 2007 | 33,560 | Good |
| Digital pH, meter | 2007 | 14,850 | Good |

| | | | |
|---|---|---|---|
| Digital electrical balance | 2007 | 18,150 | Good |
| Computer-Desktop – 2Nos. | 2007 | 93,000 | Good |
| Computer (Laptop – Compaq) | 2007 | 49,400 | Good |
| LCD Projector – 2 Nos. | 2007 | 1,07,000 | Good |

**1.8. A). Details SAC meeting* conducted in 2007-08**

| Sl. No. | Date | Number of Participants | Salient Recommendations | Action taken |
|---|---|---|---|---|
| 1. | - | - | Efforts may be taken to economically empower the Farm Science Clubs. | Necessary steps have already been initiated and training programmes are organized accordingly. |
| 2. | - | - | Trainings on crop diversificationalternate crops with special emphasis on Maize, Casuarina and Vasambu cultivation – Exposure visits may also be programmed. | Trainings are organized in accordance with the recommendations. |
| 3. | - | - | Precision farming may be demonstrated in 20 ha compact block. | This will be taken up under precision farming scheme. Farmers selection is in progress. |
| 4. | - | - | . | Community nursery will be established at PR.Puram with the help of kudumbam NGO |
| 5. | - | - | Strategies may be developed for improving the livelihood of coastal fisherman. | Training programmes Proposed to NFDA for inland fish culture and marine (sea bass) fish culture. |
| 6. | - | - | Establishment of cashew processing unit with the financial assistance of RSVY horticulture with farmers participatory mode may be explored. | This will be established by Dept. of Horticulture under RSVY funds as desired by District Collector. |
| 7. | - | - | SHGs may be adopted for improving the livelihood through appropriate entrepreneurship oriented training programmes. | Training programmes on mushroom production have been given to SHGs. Spawn production unit is being established for this purpose. |
| 8. | - | - | External funds may be mobilized for livelihood improvement programmes. | Steps are being taken to mobilize funds from CARE and National Horti. Mission. |
| 9. | - | - | Popularization of Spirulina production, mud crabs fattening, and sea weed cultivation may be attempted. | Adequate steps have been taken for mud crab and Spirulina production. |
| 10. | - | - | Necessary follow up action may be taken for providing fencing around the farm. | Proposals have been submitted to ICAR. Steps also taken to obtain funds from district administration. |
| 11. | - | - | Action may be hastened to acquire lands lying in between highways and the campus premises so as to provide easy approach to the institute from National Highways. | Action is being taken up. Valuation of lands from revenue dept. is awaited to proceed further. |
| 12. | - | - | Suggested to involve agriculture and other line departments in the activities of the station for effective functioning. | Dept. of Agri., Horticulture, Agrl.Engg., NABARD, Mahalir Thittam are much involved in training programmes. Dept. of fisheries and animal husbandry will be involved in future programmes. |

## 2. DETAILS OF DISTRICT

2.1 Major farming systems/enterprises (based on the analysis made by the KVK)

| S. No | Farming system/enterprise |
|---|---|
| | Rice based farming system is followed in this district |
| 1. | Rice – Rice – Rice fallow Pulse |
| 2. | Rice – Rice fallow Pulses/Cotton/Gingelly |
| 3. | Rice – Rice – Groundnut |
| 4. | Rice – Rice – Gingelly |
| 5. | Rice – Rice – Sugarcane ( 3 years rotation) |

2.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

Nagapattinam a coastal district of Tamil Nadu, lies between $10^0$ $8^0$ and $11^0$ 28' in North Latitude and $76^0$ 34' and $75^0$ 53' in East Longitude. It is bounded on the north by Cuddalore, South by Palk Strait, west by Tiruvarur and on the east by Bay of Bengal. The total geographical are of the district is 2.71 lakh hectares. Nagapattinam is categorized as agro-ecological region 18, representing the Coastal eco-system-Eastern coastal plain, hot sub-humid to semi-arid eco-system with a growing period of 90 to 210 days.

Nagapattinam district is comprised of seven taluks and 11 Panchayat Unions. The total population of the district is 13,77,000 (Male 691000 and female 686000) as per 2001 census. The average annual rainfall of the district is 1358mm. North East monsoon accounts for 65.16 per cent followed by South West monsoon with 22.58 per cent and summer 4.82 per cent of the total rainfall. The soils of the district are mainly identified as soil series 15. Nagapattinam is mainly constituted by Kalathur, Adhanur, Keelayur and Melakadu soil series which mainly accounted for 56 per cent of the total area. The other major soil series are Kondal (7.46%), Padugai (7.37%), Valuthalagudi (6.69%), Nedumbalam (4.07%) and Kallivayal (3.74%). The district has a reserve forest area of 4,762 ha which is two per cent of the total geographical area. Nagapattinam district is predominantly irrigated by Cauvery and Vennar river basin system and identified as old delta. River Coleroon also forms an irrigation source for this district. The animal population in the district is 6.69 lakhs, of which cow constitutes 31.80 per cent and buffalo accounts for 10.95 per cent (Poultry constitute 31.95%). Goat population accounts for 21.15 per cent, with higher population in Kuttalam and Thalainayar blocks. About 12,010 families are engaged in fishing activities in 320 fishing locations along the coast which extends 187 km.

2.3 Soil type/s

| S. No | Soil type | Characteristics | Area in ha |
|---|---|---|---|
| 1. | Clay loam | - | 0.98 |
| 2. | Clay sandy loam | - | 0.55 |
| 3. | Sandy soil | - | 0.35 |
| | | **Total** | **1.88** |

2.4. Area, Production and Productivity of major crops cultivated in the district

| S. No | Crop | Area (ha) | Production (Qtl) | Productivity (Qtl /ha) |
|---|---|---|---|---|
| 1. | Paddy | | | |
| | Kuruvai | 30780 | 1.098 Lakh.mt | 3566 mt/ha |
| | Samba | 104694 | 5.981 | 4422 |
| | Thaladi | 30568 | | |
| | **TOTAL** | **166042** | **7.079** | |

| | | | | |
|---|---|---|---|---|
| 2. | Millets | - | - | - |
| 3. | Pulses | | | |
| | Blackgram | 60360 | 0.414 | 0.686 |
| | Greengram | 24393 | 0.157 | 0.674 |
| | **TOTAL** | **84753** | **0.571** | **0.674** |
| 4. | Sugarcane | | | |
| | Ratoon | 3195 | - | - |
| | Planred | 3354 | - | - |
| | **Total** | 6549 | - | - |
| 5. | Cotton | 352 | 0.609 mt | 93.000/ha |
| 6. | Oilseeds | | | |
| | Groundnut | 3226 | 0.09 | 2.798 |
| | Gingelly | 994 | 0.008 | 0.796 |
| | Soyabeen | 52 | 0.0007 | 1.250 |
| | **Total** | **4272** | **0.0987** | **-** |
| 7. | Oilpalm | 575 | - | - |
| 8. | Coconut | 3250 | - | - |

* Please provide latest data from authorized sources. Please quote the source

2.5. Weather data

| Month | Rainfall (mm) | Temperature $^0$ C | | Relative Humidity (%) |
|---|---|---|---|---|
| | | Maximum | Minimum | |
| October 2006 | 491.12 | | | |
| November 2006 | 412.20 | | | |
| December 2006 | 98.41 | | | |
| Jan. 2007 | 0.22 | | | |
| February 2007 | 31.58 | | | |
| March 207 | 0 | | | |
| April 2007 | 13.71 | | | |
| May 2007 | 4.50 | | | |
| June 2007 | 27.72 | | | |
| July 2007 | 58.14 | | | |
| August 2007 | 192.23 | | | |
| September 2007 | 63.36 | | | |

* Please provide latest data from authorized sources. Please quote the source

2.6. Production and productivity of livestock, Poultry, Fisheries etc. in the district

| Category | Population | Production | Productivity |
|---|---|---|---|
| **Cattle** | | | |
| *Crossbred* | 336044 | | |
| *Indigenous* | 86060 | | |
| **Buffalo** | | | |
| Cross breed | 17102 | | |
| Indigenous | 39264 | | |
| **Sheep** | | | |
| Crossbred | 9834 | | |
| *Indigenous* | 23220 | | |
| **Goats** | | | |
| Crossbred | 107719 | | |
| *Indigenous* | 322205 | | |
| **Pigs** | | | |
| *Crossbred* | 818 | | |
| *Indigenous* | 2598 | | |
| **Rabbits** | 1377 | | |

| **Poultry** | | | |
|---|---|---|---|
| Hens | | | |
| *Desi* | 264164 | | |
| *Improved* | 35894 | | |
| Ducks | 12712 | | |
| Turkey | 775 | | |
| Marine fish | | 61479 (tones) | |
| Inland fish | | 7120 (tones) | 2.0 t/ha |

* Please provide latest data from authorized sources. Please quote the source

2.7 Details of Operational area / Villages

| Sl.No. | Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|---|---|---|---|
| 1. | Nagapattinam | 1. Nagapattinam | North Poigainallur., South Poigai nallur Palpannaichery Sikkal | Rice-Rice-Pulses<br>Rice-Rice-Groundnut | Soil affected by Tsunami<br>Poor yield potential<br>Inundation of water during monsoon<br>Labour Scarcity | Farm mechanization<br>Organic farming<br>Suitable saline resistant varieties |
| | | 2.Thirumarugal | | Rice-Rice-Pulses<br>Rice-Rice-Cotton | Poor yield potential<br>Inundation of water during monsoon | IFS strategies<br>Organic farming<br>Introduction of flood tolerant var. |
| 2. | Tirukkuvalai | 3. Keezhaiyur | Thirukkuvalai<br>Keelaiyur<br>Thevur<br>Palakurichi | Rice-Rice-Pulses<br>Rice-Rice-Groundnut | Soil affected by Tsunami<br>Low organic matter content in the soil | Organic farming<br>Introduction of flood tolerant var. |
| 3. | Kilvelur | 4. Kilvelur | Nangudi<br>Kilvelur<br>Satyagudi<br>Palakurichi<br>Ilupur<br>Avarani<br>Puducherry | Rice – Rice – Pulses | Flood damages<br>Labour Scarcity | IFS concept<br>Organic farming<br>Farm mechanization |
| 4. | Vedaranyam | 5. Vedaranyam | Vedaranyam<br>Pushbahavanam<br>Periyakuthagai<br>vettaikaranirrupu | Rice-Rice-Pulses<br>Rice-Rice-Groundnut<br>Jasmine-Crossandra-Cashew | Inundation of water during monsoon – poor drainage<br>Low organic carbon content of soil<br>Salinity problem | Precision farming<br>Cashew processing unit<br>Organic farming<br>Suitable saline resistant varieties. |

| | | | | | | |
|---|---|---|---|---|---|---|
| | | 6. | Thalainayar | Rice-Rice-Pulses<br>Jasmine/Cashew/Mango/<br>Vegetables | Flood water damage during monsoon<br>Low organic carbon content of soil<br>Salinity problem | Organic farming<br>Introduction of high value vegetables.<br>Cashew processing unit |
| 5. | Mayiladuthurai | 7. Mayiladuthurai | Mayiladuthurai<br>Sembanarkoil<br>Manganallur<br>Anaimattam | Rice-Rice-Pulses<br>Rice-Rice-Groundnut<br>Rice-Rice-Cotton<br>Rice-Banana | Flood damage<br>Low lands<br>Labour Scarcity | IFS concept<br>Introduction of alternate cropping system<br>Farm mechanization |
| | | 8. Kuthalam | | Rice-Rice-Pulses<br>Rice-Banana<br>Rice-Rice-Groundnut<br>Rice-Rice -Cotton | Flood damage<br>Low lands | IFS concept<br>Introduction of alternate cropping system<br>Farm mechanization |
| 6. | Sirkazhi | 9. Sirkazhi | Agani<br>Thirukadaiyur<br>Sirkali<br>Vaitheeswarankoil | Rice-Rice-Pulses<br>Rice- Rice -Cotton<br>Rice-Rice-Groundnut<br>Banana - Sugarcane - Vegetables | Poor drainage<br>Saline pockets<br>Labour Scarcity | Precision farming in Vegetables<br>Organic Farming<br>Crop diversification<br>Farm mechanization |
| | | 10. Kollidam | | Rice-Rice-Pulses<br>Rice- Rice -Cotton<br>Rice-Rice-Groundnut<br>Sugarcane, Banana & Vegetables | Poor drainage<br>Saline pockets<br>Labour Scarcity | Organic Farming<br>Crop diversification<br>Farm mechanization |
| 7. | Sembanarkoil | 11. Sembanarkoil | Poraiyar<br>Tharangampadi | Rice-Rice-Pulses<br>Rice-Rice-Groundnut<br>Rice- Rice -Cotton<br>Sugarcane & Banana | Poor drainage<br>Saline pockets | Precision farming in Vegetables<br>Organic Farming<br>Crop diversification |

2.8 Priority thrust areas

| S. No | Thrust area |
|---|---|
| 1. | Rehabilitation of Tsunami affected agricultural and horticultural lands. |
| 2. | Diversified cropping system for Nagapattinam delta region |
| 3. | Organic farming practices including vermitechnology, bio-decomposition of agricultural wastes etc. |
| 4. | Farm mechanization |
| 5. | Water harvesting, conservation and management (Micro irrigation) |
| 6. | Integrated Farming System |

## 3. TECHNICAL ACHIEVEMENTS

### 3.A. Details of target and achievements of mandatory activities

| **OFT** | | | | **FLD** | | | |
|---|---|---|---|---|---|---|---|
| **1** | | | | **2** | | | |
| **Number of OFTs** | | **Number of farmers** | | **Number of FLDs** | | **Number of farmers** | |
| **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** |
| 6 | 2 | 29 | 7 | 11 | 10 | 163 | |

| **Training** | | | | **Extension Activities** | | | |
|---|---|---|---|---|---|---|---|
| **3** | | | | **4** | | | |
| **Number of Courses** | | **Number of Participants** | | **Number of activities** | | **Number of participants** | |
| **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** |
| 100 | 109 | 2500 | 5228 | 200 | 241 | 1500 | 3508 |

**3.B1. Abstract of interventions undertaken**

| S. No | Thrust area | Crop/ Enterprise | Identified Problem | Interventions | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Title of OFT if any | Title of FLD if any | Title of Training if any | Title of training for extension personnel if any | Extension activities | Supply of seeds, planting materials etc. |
| 1. | Sandy soil (Coastal area) | Vegetable (Chillis/Beans) | Sandy soils with low organic content, low retention of moisture & nutrients. Inadequate application of FYM | Effect of Vermicompost and coir pith compost for increasing production of vegetables in sandy soil | - | - | - | - | Hybrid seeds, Vermicompost and coirpith compost. |
| 2. | Fodder grass (Introduction of Desmanthus) | Desmanthus | Inadequate green fodder leads to infertility in cows and poor production potential. | Assessing the technical feasibility and economic liability of desmanthus. | - | - | - | - | Seeds (Desmanthus) |
| 3. | Rodent management in rice farming system | Rice | Yield loss due to rodent damage was as high as 50% in rice and 80% in pulses in the previous seasons. | Rodent management in rice farming system | OFT (2007-08) | Integrated rodent management | | Conducting training on rodent management to extension functionaries of these region and farmers through campaigns. | Insecticide granule, Tanjore bow trap, poison baits, etc., |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 4. | Bio intensive methods management of pest and disease in chillies | Garden land | Sucking pests, fruit borers, soil borne diseases due to this criminate use of chemicals. | Bio intensive methods management of pest and disease in chillies | - | - | - | - | Seeds, bio fertilizer, microbial/bio pesticides. |
| 5. | Varietal evalution | Watermelon | New introduction | Evalution of watermelon hybrids | | | | | Hybrid seed |
| 6. | Crop diversification | Flowers | Imported from other districts | Assessing the technical feasibility and economic viability of tuberose cultivation | | | | | Planting materials – corms |
| 7. | Crop diversification | Maize | Replacing rice cultivation during summer/Kharif seasons | | Performance of Hybrid Maize | | | | Hybrid seeds |
| 8. | Introduction of rice hybrid | Rice | low yield | | Performance of Hybrid rice CORH-3 | | | | Hybrid seeds |
| 9. | Farm mechanization | Rice | Direct sowing by drum seeder to overcome labour scarcity | | Sowing by the drum seeder and chemical weed management | | | | |
| 10. | Hi-tech horticulture | Vegetables | Traditional variety Local seedlings Cultivation in smaller area | | Quality seedling production using portrays | | | | Hybrid seeds and protrays |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 11. | Micronutrients and growth regulator application | Gourds (Snake gourd, Bitter gourd and Ribbed gourd) | Improper nutrient management and Malformation of fruits. | | Effect of Micro Nutrients and Growth Regulators on the yield of Gourds | Importance of Micro Nutrients and Growth Regulators on Gourds | | | Seeds<br>MN mixture<br>Ethrel |

**3.B2 List of Technology Assessed during 2007-08**

| S. No | Thematic area | Name of the technology assessed | Area (ha.) | Number of trials | Remarks if any |
|---|---|---|---|---|---|
| 1. | Rodent management in rice and rice based eco system. | Rodent management in rice farming system. | 1.2 ha/trial | 3 | |
| 2. | Management of sucking pests, fruit borers and diseases through bio intensive components. | Eco friendly management of pests and diseases in chillies | 0.32 ha | 2 | In progress |
| 3. | Increasing the yield of vegetables in sandy soils through the addition of Vericompost and Coirpith compost. | Effect of Vermicompost and coirpith compost for increasing production of vegetables in sandy soils. | | 4 | |
| | Total (wherever applicable) | | | | |

**3.B3 List of Technology Refined during 2007-08 : Nil**

**3.C Details of technology used during reporting period**

| S.No | Title of Technology | Crop/enterprise | Mode of use | | | | No. of farmers covered | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | OFT | FLD | Training | Others (Specify) | Other farmers | | | SC / ST farmers | | |
| | | | | | | | Male | Female | Total | Male | Female | Total |
| 1. | Effect of vermicompost and coirpith compost for increasing production of vegetables in sandy soil. | Vegetables (Beans and Chillies) | OFT | - | - | - | 4 | - | 4 | - | - | - |
| 2. | Assessing the technical feasibility and economic viability of desmanthus | Desmanthus | OFT | - | - | - | 6 | 4 | 10 | - | - | - |
| 3. | Rodent management in rice farming system | Rice | OFT | - | 3 | 3 | 39 | 1 | 40 | - | - | - |

### 3.1 Achievements on technologies assessed and refined

A. Results of On Farm Trial

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Parameters of assess-ment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refine ment-done | Justification for refine-ment |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Chillies & Beans | Sandy soil (Irrigated) | Sandy soils with low organic matter, low retention of moisture and nutrients. Inadequate application of FYM | Effect of vermicompost and coir pith compost for increasing production of vegetables in sandy soil | 4 | Yield | Yield | 17.15 t/ha (chillies) 10.4 t/ha (beans) | - | - | No refine-ment | - |
| Desman-thus | (Irrigated) | Inadequate green fodder leads to infertility in cows and poor production potential | Assessing the technical feasibility and economic viability of desmanthus | 10 | Yield | In progress. | - | - | - | - | - |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Rice | Wetland | Yield loss due to rodent menace was as high as 50% in rice and 80 % in pulses in the previous season/years. | Rodent management in rice farming system. | 3 | Fumigation of rat furrows with the insecticidal granule during trimming and plastering of bunds as compared to 'T' bow traps and poison baiting | Estimation of the rodent activity and crop damage after the treatment. | 100% reduction in rodent activity/crop damage throughout the cropping period. In fumigation of furrows and recorded the higher yield of 6650 kgs/ha as compared to 56.34% in 'T' trap. | Need based application of Phorate 10G @ 15 gms of live furrow during plastering the rice field bunds effectively reducing the rodent activity (100%) and recorded highest yield. | Rodent management though fumigation of rodent furrows was very effective and found satisfied by the farmer. | No refine-ment | - |
| Chillies | Gardenland | Sucking pests, fruit borers, soil borne diseases due to this criminate use of chemicals. | Bio intensive methods of management of pests and diseases in chillies | 2 | Management of pests and diseases through bio intensive components | Pests and diseases incidence to be assessed periodically and yield to be recorded | In progress | - | - | - | - |

| Technology Assessed / Refined | *Production per unit | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|
| 13 | 14 | 15 | 16 |
| Technology option 1 (Farmer's practice) | | | |
| Technology option 2 | | | |
| Technology option 3 | | | |

***Field crops – kg/ha, * for horticultural crops -= kg/t/ha, * milk and meat – litres or kg/animal, * for mushroom and vermi compost kg/unit area.***
***** Give details of the technology assessed***

**B. Details of each On Farm Trial to be furnished in the following format separately along with raw data as per the separate proforma provided**

1) Title of Technology assessed / Refined
2) Problem Definition
3) Details of technologies selected for assessment/refinement
4) Source of technology
5) Production system and thematic area
6) Performance of the Technology with performance indicators
7) Final recommendation for micro level situation
8) Constraints identified and feedback for research
9) Process of farmers participation and their reaction

**3.2 Achievements of Frontline Demonstrations**

a. Follow-up for results of FLDs implemented during previous years
List of technologies demonstrated during previous years and popularized during 2007-08 and recommended for large scale adoption in the district

| S. No | Thematic Area* | Technology demonstrated | Details of popularization methods suggested to the Extension system | Horizontal spread of technology | | |
|---|---|---|---|---|---|---|
| | | | | No. of villages | No. of farmers | Area in ha |
| 1 | Rodent control in rice and rice based eco system | Fumigation of rat furrows with the insecticidal granule during trimming and plastering of bunds as compared to 'T' bow traps and poison baiting | Conducting training on rodent management to extension functionaries of these region and farmers through campaigns. | 5 in samba<br>5 in thaladi (late samba) | In progress | 0.05/demo. |

b. Details of FLDs implemented during 2007-08 (Information is to be furnished in the following three tables for each category i.e. cereals, Horticultural crops, oilseeds, pulses, cotton and commercial crops.)

| Sl. No. | Crop | Thematic area | Technology Demonstrated | Season and year | Area (ha) | | No. of farmers/ demonstration | | | Reasons for shortfall in achievement |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Proposed | Actual | SC/ST | Others | Total | |
| 1. | Rice | Introduction of Hybrid rice | Performance of Hybrid rice Co RH 3 | Kharif 2007 | 10 | 2.8 | | 7 | 7 | - |
| 2. | Maize | Introduction of Hybrid Maize | Performance of Hybrid Maize | Kharif 2007 | 10 | 2.4 | | 6 | 6 | |
| 3. | Rice | Direct sowing | Sowing by drum seeding and chemical weed management | Rabi 2007 | 4 | 7.2 | | 10 | 10 | - |
| 4. | Gourds | Micro nutrient application and Growth Regulator spray | Effect of micro nutrients and growth regulators on the yield of gourds. | Summer 2007-08 | 2 | 2 | | 10 | 10 | - |
| 5. | Groundnut | INM & IPM techniques | INM & IPM techniques in groundnut | Kharif 2007 | 5 | 5 | | 12 | 12 | - |
| 6. | Groundnut | Varietal introduction | Introduction of new variety TMV 13 in groundnut | Rabi/ Summer 2007-08 | 5 | 5 | | 12 | 12 | - |
| 7. | Sesame | Improved package of practices | Improved package of practices for sesame TMV 4 | Rabi/ Summer 2007-08 | 5 | - | | 12 | 12 | Heavy rains during early stage of the crop completely damaged the standing crop |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 8. | Black gram | Improved package of practices | Improved package of practices for blackgram ADT 3 | Rabi/ Summer 2007-08 | 10 | - | | 25 | 25 | Heavy rains during flowering and pod formation stage completely damaged the standing crop |
| 9. | Groundnut | INM & IPM techniques | INM & IPM techniques in groundnut TMV 13 | Kharif 2008 | 5 | 5 | | 12 | 12 | In progress |
| 10. | Rice | Rodent management | Fumigation of rat burrows with granules | Samba and Thaladi | 5 | In progr ess | - | 150 | 150 | In progress (Season wise distribution) |

Details of farming situation

| Crop | Season | Farming situation (RF/Irrigated) | Soil type | Status of soil | | | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | N | P | K | | | | | |
| Rice | Kharif 2007 | Irrigated | Clay loam | M | M | M | Fallow | 14 to 27.06.2007 | 14 & 15.10.2007 | 150 | 5 |
| Maize | Kharif 2007 | Irrigated | Clay loam | M | M | M | Fallow | 18 to 20.07.07 | 4.11.2007 | 180 | 12 |
| Rice | Rabi 2007 | Irrigated | Clay & Clay loam | M | M | M | Paddy | 18.09.07 to 07.10.07 | 28.01.08 to 02.03.08 | 430 | 31 |
| Gourds | Summer 2007-08 | Irrigated | Sandy loam | L | L | M | Groundnut | 20.3.08 | 15.5.08 to 12.8.08 | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Groundnut | Kharif 2007 | Irrigated | Sandy loam | L | L | M | Paddy | 8 to 20.7.07 | 15 to 26 .10.07 | 180 | 12 |
| Groundnut | Rabi/ Summer 2007-08 | Irrigated | Sandy loam | L | L | M | Vegetables | 4 to 21.1.08 | 11 to 23.4.08 | 430 | 31 |
| Sesame | Rabi/ Summer 2007-08 | Irrigated | Clay loam | M | M | M | Paddy | 14 to 22.2.08 | - | 430 | 31 |
| Blackgram | Rabi Summer 2007-08 | Rice fallows | Clay loam | M | M | M | Paddy | 13 to 20.01.08 | - | 430 | 31 |
| Groundnut | Kharif 2008 | Irrigated | Sandy loam | L | L | M | Vegetables | 01 to 25.07.08 | In progress | | |
| Rice | Samba 2008-09 | Irrigated rice | Alluvial | M | M | M | Paddy | 10,12,18,23,28 – June-2008 | Yet to be harvested | - | - |

Performance of FLD

| **Sl.No.** | **Crop** | **Technology Demonstrated** | **Variety** | **No. of Farmers** | **Area (ha.)** | **Demo. Yield Qtl/ha** | | | **Yield of local Check Qtl./ha** | **Increase in yield (%)** | **Data on parameter in relation to technology demonstrated** | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **H** | **L** | **A** | | | **Demo** | **Local** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| 1. | Rice | Performance of Hybrid rice | CO RH 3 | 7 | 2.8 | 59.50 | 57.50 | 58.580 | 55.00 | 6.0 | 59.53 | 55.0 |
| 2. | Maize | Performance of Hybrid Maize | Vikram.1 | 6 | 2.4 | - | 25.0 | - | - | - | 25.0 | - |
| 3. | Rice | Sowing by drum seeding and chemical weed management | ADT 39 CR 1009 BPT5204 | 10 | 7.2 | 58.5 | 57.0 | 55.5 | 53.0 | 4.5 | 55.5 | 53.0 |
| 5. | Gourds | Effect of Micro nutrients & Growth Regulators on the yield of gourds. | White long CO1 | 10 | 2.0 | 136.5 | 100.5 | 120.1 | 99.5 | 20.7 | 120.1 | 99.5 |
| 6. | Groundnut | INM & IPM techniques in Groundnut | CO.3 | 12 | 5 | 17.0 | 14.8 | 15.80 | 12.40 | 27.4 | 15.80 | 12.4 |
| 7. | Groundnut | Introduction of new variety TMV 13 in groundnut | TMV 13 | 12 | 5 | 30.0 | 20.0 | 23.0 | 17.5 | 31.1 | 23.0 | 17.5 |

| | | | | | | |
|---|---|---|---|---|---|---|
| 8. | Sesame | Improved package of practices | TMV 4 | 12 | 5 | Heavy rains during early stage of the crop completely damaged the standing crop in the whole of the district. |
| 9. | Blackgram | Improved package of practices | ADT 3 | 25 | 10 | Heavy rains during flowering and pod formation stage completely damaged the standing crop in the whole of the district. |
| 10. | Groundnut | INM & IPM techniques | TMV 13 | 12 | 5 | In progress |

NB: Attach few good action photographs with title at the back with pencil

Economic Impact (continuation of previous table)

| **Average Cost of cultivation (Rs./ha)** | | **Average Gross Return (Rs./ha)** | | **Average Net Return (Profit) (Rs./ha)** | | **Benefit-Cost Ratio (Gross Return / Gross Cost)** |
|---|---|---|---|---|---|---|
| **Demonstration** | **Local Check** | **Demonstration** | **Local Check** | **Demonstration** | **Local Check** | |
| Rice - 15700 | 16200 | 35100 | 33000 | 19400 | 16800 | 1:2.2 |
| Maize - 22012 | - | 35000 | - | 12988 | - | 1:1.5 |
| Rice - 11250 | 16000 | 33300 | 31800 | 22050 | 15800 | 1:2.9 |
| Gourds - 19000 | 16000 | 48040 | 39800 | 29040 | 23800 | 1:2.5 |
| Groundnut - 17375 | 15500 | 47400 | 37200 | 30025 | 21700 | 1:2.7 |
| Groundnut - 20000 | 15500 | 69000 | 52500 | 52000 | 37000 | 1:3.4 |

Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).

| **Crop** | **Season** | **Component** | **Farming situation** | **Average yield (q/ha)** | **Local check (q/ha)** | **Percentage increase in productivity over local check** |
|---|---|---|---|---|---|---|
| Rice | Kharif 2007 | SRI component | Irrigated | 58.5 | 55.0 | 6.0 |
| Maize | Kharif 2007 | 1. NPK fertilizer<br>2. Herbiccide - Atrazine<br>3. Pesticide - Phorate | Irrigated | 25.0 | - | - |
| Rice | Rabi 2007 | 1. Drum seeder<br>2. Herbicide – Pre emergence | Irrigated | 55.5 | 53.0 | 4.5 |
| Gourds | Summer 2007-08 | 1. MN mixture<br>2. Ethrel | Irrigated | 120.1 | 99.5 | 20.7 |

| | | | | | | |
|---|---|---|---|---|---|---|
| Groundnut | Kharif 2007 | 1. NPK fertilizer<br>2. Gypsum<br>3. MN mixture<br>4. Bio fertilizers<br>5. Plant protection components | Irrigated | 15.8 | 12.4 | 27.4 |
| Groundnut | Rabi/Summer 2007-08 | 1. Seeds | Irrigated | 23.0 | 17.5 | 31.08 |
| Sesame | Rabi/Summer 2007-08 | 1. DAP<br>2. MOP<br>3. Mn SO4 | Irrigated | Heavy rains during early stage of the crop completely damaged the standing crop in the whole of the district. | | |
| Blackgram | Rice fallows | 1. Seeds<br>2. DAP<br>3. MN mixture | Rice fallows | Heavy rains during flowering and pod formation stage completely damaged the standing crop in the whole of the district. | | |
| Groundnut | Kharif 2008 | 1. INM & IPM components | Irrigated | In progress | | |

Technical Feedback on the demonstrated technologies

| S. No | Feed Back |
|---|---|
| 1 | - |
| 2 | - |

Farmers' reactions on specific technologies

| S. No | Feed Back |
|---|---|
| 1 | - |
| 2 | - |

Extension and Training activities under FLD

| Sl.No. | Activity | No. of activities organized | Date | Number of participants | Remarks |
|---|---|---|---|---|---|
| 1 | Field days | 1 (Groundnut) | 04.04.08 | 30 | - |
| 2 | Farmers Training | 1 (Groundnut) | 30.01.08 | 30 | - |
| 3 | Media coverage | - | - | - | - |
| 4 | Training for extension functionaries | - | - | - | - |

c. Details of FLD on Enterprises

(i) Farm Implements; Nil

| Name of the implement | crop | No. of farmers | Area (ha) | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. (average of 8 farmers) | Local check | | |
| Drum seeder | Rice | 10 | 7.2 | productive tillers and grain yield | 5684 kg/ha | 5300 kg/ha | 4.5% | - |

**** Field efficiency, labour saving etc.***

(ii) Livestock Enterprises

| Enterprise | Breed | No. of farmers | No. of animals, poultry birds etc. | Performance parameters / indicators | * Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. | Local check | | |
| - | - | - | - | - | - | - | - | - |

**** Milk production, meat production, egg production, reduction in disease incidence etc.***

(iii) Other Enterprises: Nil

| Enterprise | Variety/ breed/Species/others | No. of farmers | No. of Units | Performance parameters / indicators | Data on parameter in relation to technology demonstrated | | % change in the parameter | Remarks |
|---|---|---|---|---|---|---|---|---|
| | | | | | Demon. | Local check | | |
| Mushroom | - | - | - | - | - | - | - | - |
| Apiary | - | - | - | - | - | - | - | - |
| Sericulture | - | - | - | - | - | - | - | - |
| Vermi compost | - | - | - | - | - | - | - | - |

**3.3 Achievements on Training (Including the sponsored and FLD training programmes):**

**A. ON Campus**

Farmers and Farm Women

| Date | Title of the training programme | Duration in days | Number of participants (General) | | | Number of SC/ST | | | Total number of participants | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 4.10.07 | vermicompost production | 1 | 12 | 3 | 15 | - | - | - | 12 | 3 | 15 |
| 16.10.07 | IPM in rice | 1 | 26 | 2 | 28 | - | - | - | 26 | 2 | 28 |
| 6.11.07 | Drip irrigation | 1 | 10 | 3 | 13 | 9 | 3 | 12 | 19 | 6 | 25 |
| 13.11.07 | Vegetable production | 1 | 24 | 1 | 25 | - | - | - | 24 | 1 | 25 |
| 16.11.07 | Seed production in rice | 1 | 71 | 9 | 80 | - | - | - | 71 | 9 | 80 |
| 23.11.07 | Agroforestry | 1 | 30 | 15 | 45 | 10 | 4 | 14 | 40 | 19 | 59 |
| 28.11.07 | Winter vegetable prodn. | 1 | 18 | 3 | 21 | - | - | - | 18 | 3 | 21 |
| 10.12.07 | IPM in vegetables | 1 | 30 | 2 | 32 | 17 | - | 17 | 47 | 2 | 49 |
| 13.12.07 | IPM rice | 1 | 22 | 13 | 35 | - | - | - | 22 | 13 | 35 |
| 10.01.08 | Seed production in rice | 1 | 71 | 9 | 80 | - | - | - | 71 | 9 | 80 |
| 21.01.08 | Precision farming | 1 | 13 | - | 13 | - | - | - | 13 | - | 13 |
| 07.02.08 | Seed production in rice | 1 | 40 | 20 | 60 | - | - | - | 40 | 20 | 60 |
| 08.02.08 | Hybrid maize cultivation | 1 | 11 | 3 | 14 | - | - | - | 11 | 3 | 14 |
| 15.02.08 | Organic farming | 1 | 17 | 2 | 19 | - | - | - | 17 | 2 | 19 |
| 15.02.08 | Precision farming | 1 | 24 | 2 | 26 | 4 | - | 4 | 28 | 2 | 30 |
| 07.03.08 | Seed production in pulses | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |
| 10.03.08 | Fertigation and greenhouse technologies | 1 | 20 | 5 | 25 | - | - | - | 20 | 5 | 25 |
| 12.03.08 | Seed production | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | in pulses | | | | | | | | | | |
| 13.03.08 | Seed production rice | 1 | 40 | 20 | 60 | - | - | - | 40 | 20 | 60 |
| 20.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 25.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 26.03.08 | Fertigation and greenhouse technologies | 1 | 17 | 4 | 21 | 4 | - | 4 | 21 | 4 | 25 |
| 27.03.08 | Soil health management | 1 | 19 | - | 19 | - | - | - | 19 | - | 19 |
| 28.03.08 | Organic farming | 1 | 14 | 2 | 16 | - | - | - | 14 | 2 | 16 |
| 30.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 31.03.08 | Seed production in pulses | 1 | 1 | 60 | 61 | - | 12 | 12 | 1 | 72 | 73 |
| 02.04.08 | Seed production in rice | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |
| 08.05.08 | Seed production in pulses | 1 | 30 | 8 | 38 | - | - | - | 30 | 8 | 38 |
| 09.05.08 | Organic seed production | 1 | 20 | 7 | 27 | 4 | - | 4 | 24 | 7 | 31 |
| 21.05.08 | Seed production in rice | 1 | 20 | 15 | 35 | 5 | 6 | 11 | 25 | 21 | 46 |
| 27.05.08 | Seed production in pulses | 1 | 36 | 4 | 40 | 6 | - | 6 | 42 | 4 | 46 |
| 29.05.08 | Seed production in rice | 1 | 42 | 1 | 43 | 8 | - | 8 | 50 | 1 | 51 |
| 29.05.08 | Seed production in rice | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |
| 09.06.08 | IPM in vegetables | 1 | 11 | 6 | 17 | - | - | - | 11 | 6 | 17 |
| 10.06.08 | Micro irrigation | 1 | 12 | 7 | 19 | 4 | 4 | 8 | 16 | 11 | 27 |
| 11.06.08 | Seed production in rice | 1 | 20 | 3 | 23 | 6 | 6 | 12 | 26 | 9 | 35 |
| 12.06.08 | Seed production in rice | 1 | 22 | 20 | 42 | - | 8 | 8 | 22 | 28 | 50 |
| 18.06.08 | Seed production | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | in rice | | | | | | | | | | |
| 25.06.08 | IPM in coconut and cashew | 1 | 26 | 3 | 29 | - | - | - | 26 | 3 | 29 |
| 24.07.08 | Reclamation of tsunami affected land | 1 | 15 | 8 | 23 | 8 | 5 | 13 | 23 | 13 | 36 |
| 25.07.08 | Major tree crop cultivation | 1 | 18 | 10 | 28 | 7 | - | 7 | 25 | 10 | 35 |
| 11.08.08 | Capacity building | 1 | 20 | 3 | 23 | 4 | 2 | 6 | 24 | 5 | 29 |
| 12.08.08 | Agroforestry crops | 1 | 13 | 7 | 20 | - | - | - | 13 | 7 | 20 |
| 28.08.08 | Tree crops seedling production | 1 | 10 | 10 | 20 | - | 2 | 2 | 10 | 12 | 22 |
| 02.09.08 | SRI | 1 | 12 | 24 | 36 | - | - | - | 12 | 24 | 36 |
| 02.09.08 | Strategies for sustainable agriculture | 1 | 15 | 28 | 43 | 7 | 5 | 12 | 22 | 33 | 55 |
| 22.09.08 | Organic farming | 1 | 32 | 9 | 41 | 9 | - | 9 | 41 | 9 | 50 |
| | | | | | | **104** | **57** | **161** | **1498** | **475** | **1973** |

Rural Youth

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **male** | **female** | **Total** | **Male** | **Female** | **Total** |
| 28.01.08 | Vermicompost prodn. | 1 | 25 | - | 25 | 5 | - | 5 | 30 | - | 30 |
| 01.02.08 | Vermicompost production | 1 | 20 | 15 | 35 | 5 | 2 | 7 | 25 | 17 | 42 |
| 21.02.08 | Micro irrigation | 1 | 7 | - | 7 | - | - | - | 7 | - | 7 |
| 19.03.08 | Nutrition gardening | 1 | - | 15 | 15 | - | - | - | - | 15 | 15 |
| 16.07.08 | Machine transplanting in rice | 1 | 70 | 11 | 81 | 24 | 10 | 34 | 94 | 21 | 115 |
| 22.07.08 | Mushroom | 1 | - | 18 | 18 | - | 20 | 20 | - | 38 | 38 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | production | | | | | | | | | | |
| 06.08.08 | SRI | 1 | 12 | 22 | 34 | 8 | 8 | 16 | 20 | 30 | 50 |
| 07.08.08 | Organic farming | 1 | 13 | 7 | 20 | - | - | - | 13 | 7 | 20 |
| 08.08.08 | Mushroom production | 1 | - | 9 | 9 | - | 14 | 14 | - | 23 | 23 |
| 26.08.08 | Integrated Farming System | 1 | 10 | - | 10 | 5 | - | 5 | 15 | - | 15 |
| 11.09.08 | Vermicompost production | 1 | 10 | 10 | 20 | 2 | 4 | 6 | 12 | 14 | 26 |
| 16.09.08 | Fabrication of conoweeder and marker | 1 | 12 | - | 12 | - | - | - | 12 | - | 12 |
| 17.09.08 | Vermicompost production | 1 | 15 | 15 | 30 | 5 | 4 | 9 | 21 | 19 | 40 |
| | | | | | | **54** | **62** | **116** | **249** | **184** | **433** |

Extension Personnel

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **male** | **female** | **Total** | **Male** | **Female** | **Total** |
| 6.11.07 | INM in rice | 1 | 17 | 1 | 18 | 4 | 1 | 5 | 21 | 2 | 23 |
| 11.12.07 | Maximizing rice prodn. | 1 | 28 | 2 | 30 | 2 | - | 2 | 30 | 2 | 32 |
| 29.01.08 | Rice fallow pulse prodn. | 1 | 30 | 1 | 31 | 3 | - | 3 | 33 | 1 | 34 |
| 14.02.08 | INM in pulses | 1 | 22 | 2 | 24 | 5 | - | 5 | 27 | 2 | 29 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 10.07.08 | Major horticulture crops production | 1 | 15 | - | 15 | 4 | - | 4 | 19 | - | 19 |
| | | | | | | **18** | **1** | **19** | **130** | **7** | **137** |

**A) OFF Campus**

Farmers and Farm Women

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **male** | **female** | **Total** | **Male** | **Female** | **Total** |
| 12.09.07 | Seed production | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 19.11.07 | Seed production in rice | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 20.11.07 | Seed production for rice | 1 | 18 | 23 | 41 | 2 | 2 | 4 | 20 | 25 | 45 |
| 17.12.07 | IPM in rice | 1 | 30 | 2 | 32 | 9 | - | 9 | 39 | 2 | 41 |
| 26.12.07 | Seed production in rice | 1 | 85 | 15 | 100 | - | - | - | 85 | 15 | 100 |
| 04.01.08 | Rodent management | 1 | 35 | 1 | 36 | 4 | - | 4 | 39 | 1 | 40 |
| 10.01.08 | Seed production in pulses | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |
| 22.01.08 | Seed production in rice | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 30.01.08 | Groundnut production | 1 | 25 | - | 25 | 5 | - | 5 | 30 | - | 30 |
| 11.02.08 | Alternate cropping | 1 | 40 | 15 | 55 | 6 | 5 | 11 | 46 | 20 | 66 |
| 13.02.08 | Seed production in rice | 1 | 85 | 15 | 100 | - | - | - | 85 | 15 | 100 |
| 27.02.08 | Seed production in pulses | 1 | 35 | 15 | 50 | - | - | - | 35 | 15 | 50 |
| 28.02.08 | Seed production in | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | pulses | | | | | | | | | | |
| 03.03.08 | Seed production in pulses | 1 | 20 | 5 | 25 | - | - | - | 20 | 5 | 25 |
| 15.03.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |
| 28.03.08 | Micro irrigation | 1 | 25 | - | 25 | - | - | - | 25 | - | 25 |
| 04.04.08 | Groundnut production | 1 | 8 | 44 | 52 | - | - | - | 8 | 44 | 52 |
| 08.04.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 16.04.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 05.05.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 15.05.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 20.05.08 | Seed production in pulses | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |
| 22.05.08 | Seed production in Groundnut | 1 | 22 | 3 | 25 | 8 | - | 8 | 30 | 3 | 33 |
| 23.05.08 | Seed production in pulses | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |
| 24.05.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 27.05.08 | Seed production in Groundnut | 1 | 50 | - | 50 | - | - | - | 50 | - | 50 |
| 29.05.08 | Seed production in rice | 1 | 42 | 1 | 43 | 8 | - | 8 | 50 | 1 | 51 |
| 30.05.08 | Seed production in rice | 1 | 130 | - | 130 | - | - | - | 130 | - | 130 |
| 02.06.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |
| 03.06.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 06.06.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 11.06.08 | Seed production in Groundnut | 1 | 44 | - | 44 | - | - | - | 44 | - | 44 |
| 16.06.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 17.06.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 20.06.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 21.06.08 | Seed production in rice | 1 | 109 | - | 109 | - | - | - | 109 | - | 109 |
| 24.06.08 | Coconut production | 1 | 22 | 20 | 42 | - | 7 | 7 | 22 | 7 | 49 |
| 27.06.08 | Seed production in Groundnut | 1 | 46 | - | 46 | - | - | - | 46 | - | 46 |
| 30.06.08 | Seed production in rice | 1 | 120 | - | 120 | - | - | - | 120 | - | 120 |
| 28.07.08 | IPM in vegetables | 1 | 22 | 3 | 25 | 9 | - | 9 | 31 | 3 | 34 |
| 13.08.08 | Vegetable production | 1 | 12 | 10 | 22 | 4 | 4 | 8 | 16 | 14 | 30 |
| 25.08.08 | IPM in vegetables | 1 | 22 | - | 22 | 8 | - | 8 | 30 | - | 30 |
| 23.09.08 | Rehabilitation of tsunami affected farmers | 1 | 8 | 20 | 28 | 4 | 8 | 12 | 12 | 28 | 40 |
| 24.09.08 | Value addition in major crops | 1 | 42 | - | 42 | 8 | - | 8 | 50 | - | 50 |
| | | | | | | **75** | **26** | **101** | **2059** | **516** | **2575** |

Rural Youth : NIL

**Extension Personnel**

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **male** | **female** | **Total** | **Male** | **Female** | **Total** |
| 14.11.07 | Dry land agriculture | 1 | 70 | 22 | 92 | 10 | 8 | 18 | 80 | 30 | 110 |

**C) Consolidated table (ON and OFF Campus)**

Farmers and Farm Women

| Date | Title of the training programme | Duration in days | Number of participants (General) | | | Number of SC/ST | | | Total number of participants | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 4.10.07 | vermicompost production | 1 | 12 | 3 | 15 | - | - | - | 12 | 3 | 15 |
| 16.10.07 | IPM in rice | 1 | 26 | 2 | 28 | - | - | - | 26 | 2 | 28 |
| 6.11.07 | Drip irrigation | 1 | 10 | 3 | 13 | 9 | 3 | 12 | 19 | 6 | 25 |
| 13.11.07 | Vegetable production | 1 | 24 | 1 | 25 | - | - | - | 24 | 1 | 25 |
| 16.11.07 | Seed production in rice | 1 | 71 | 9 | 80 | - | - | - | 71 | 9 | 80 |
| 23.11.07 | Agroforestry | 1 | 30 | 15 | 45 | 10 | 4 | 14 | 40 | 19 | 59 |
| 28.11.07 | Winter vegetable prodn. | 1 | 18 | 3 | 21 | - | - | - | 18 | 3 | 21 |
| 10.12.07 | IPM in vegetables | 1 | 30 | 2 | 32 | 17 | - | 17 | 47 | 2 | 49 |
| 13.12.07 | IPM rice | 1 | 22 | 13 | 35 | - | - | - | 22 | 13 | 35 |
| 10.01.08 | Seed production in rice | 1 | 71 | 9 | 80 | - | - | - | 71 | 9 | 80 |
| 21.01.08 | Precision farming | 1 | 13 | - | 13 | - | - | - | 13 | - | 13 |
| 07.02.08 | Seed production in rice | 1 | 40 | 20 | 60 | - | - | - | 40 | 20 | 60 |
| 15.02.08 | Organic farming | 1 | 17 | 2 | 19 | - | - | - | 17 | 2 | 19 |
| 15.02.08 | Precision farming | 1 | 24 | 2 | 26 | 4 | - | 4 | 28 | 2 | 30 |
| 07.03.08 | Seed production in pulses | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |
| 10.03.08 | Fertigation and greenhouse technologies | 1 | 20 | 5 | 25 | - | - | - | 20 | 5 | 25 |
| 12.03.08 | Seed production in pulses | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |
| 13.03.08 | Seed production rice | 1 | 40 | 20 | 60 | - | - | - | 40 | 20 | 60 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 20.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 25.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 26.03.08 | Fertigation and greenhouse technologies | 1 | 17 | 4 | 21 | 4 | - | 4 | 21 | 4 | 25 |
| 27.03.08 | Soil health management | 1 | 19 | - | 19 | - | - | - | 19 | - | 19 |
| 28.03.08 | Organic farming | 1 | 14 | 2 | 16 | - | - | - | 14 | 2 | 16 |
| 30.03.08 | Seed production in pulses | 1 | 80 | 4 | 84 | - | - | - | 80 | 4 | 84 |
| 31.03.08 | Seed production in pulses | 1 | 1 | 60 | 61 | - | 12 | 12 | 1 | 72 | 73 |
| 02.04.08 | Seed production in rice | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |
| 08.05.08 | Seed production in pulses | 1 | 30 | 8 | 38 | - | - | - | 30 | 8 | 38 |
| 09.05.08 | Organic seed production | 1 | 20 | 7 | 27 | 4 | - | 4 | 24 | 7 | 31 |
| 21.05.08 | Seed production in rice | 1 | 20 | 15 | 35 | 5 | 6 | 11 | 25 | 21 | 46 |
| 27.05.08 | Seed production in pulses | 1 | 36 | 4 | 40 | 6 | - | 6 | 42 | 4 | 46 |
| 29.05.08 | Seed production in rice | 1 | 42 | 1 | 43 | 8 | - | 8 | 50 | 1 | 51 |
| 29.05.08 | Seed production in rice | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |
| 09.06.08 | IPM in vegetables | 1 | 11 | 6 | 17 | - | - | - | 11 | 6 | 17 |
| 10.06.08 | Micro irrigation | 1 | 12 | 7 | 19 | 4 | 4 | 8 | 16 | 11 | 27 |
| 11.06.08 | Seed production in rice | 1 | 20 | 3 | 23 | 6 | 6 | 12 | 26 | 9 | 35 |
| 12.06.08 | Seed production in rice | 1 | 22 | 20 | 42 | - | 8 | 8 | 22 | 28 | 50 |
| 18.06.08 | Seed production in rice | 1 | 46 | 4 | 50 | - | - | - | 46 | 4 | 50 |
| 25.06.08 | IPM in coconut and cashew | 1 | 26 | 3 | 29 | - | - | - | 26 | 3 | 29 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 24.07.08 | Reclamation of tsunami affected land | 1 | 15 | 8 | 23 | 8 | 5 | 13 | 23 | 13 | 36 |
| 25.07.08 | Major tree crop cultivation | 1 | 18 | 10 | 28 | 7 | - | 7 | 25 | 10 | 35 |
| 11.08.08 | Capacity building | 1 | 20 | 3 | 23 | 4 | 2 | 6 | 24 | 5 | 29 |
| 12.08.08 | Agroforestry crops | 1 | 13 | 7 | 20 | - | - | - | 13 | 7 | 20 |
| 28.08.08 | Tree crops seedling production tech. | 1 | 10 | 10 | 20 | - | 2 | 2 | 10 | 12 | 22 |
| 02.09.08 | SRI | 1 | 12 | 24 | 36 | - | - | - | 12 | 24 | 36 |
| 02.09.08 | Strategies for sustainable agriculture | 1 | 15 | 28 | 43 | 7 | 5 | 12 | 22 | 33 | 55 |
| 22.09.08 | Organic farming | 1 | 32 | 9 | 41 | 9 | - | 9 | 41 | 9 | 50 |
| 12.09.07 | Seed production | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 19.11.07 | Seed production in rice | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 20.11.07 | Seed production for rice | 1 | 18 | 23 | 41 | 2 | 2 | 4 | 20 | 25 | 45 |
| 17.12.07 | IPM in rice | 1 | 30 | 2 | 32 | 9 | - | 9 | 39 | 2 | 41 |
| 26.12.07 | Seed production in rice | 1 | 85 | 15 | 100 | - | - | - | 85 | 15 | 100 |
| 04.01.08 | Rodent management | 1 | 35 | 1 | 36 | 4 | - | 4 | 39 | 1 | 40 |
| 10.01.08 | Seed production in pulses | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |
| 22.01.08 | Seed production in rice | 1 | 23 | 37 | 60 | - | - | - | 23 | 37 | 60 |
| 30.01.08 | Groundnut production | 1 | 25 | - | 25 | 5 | - | 5 | 30 | - | 30 |
| 11.02.08 | Alternate cropping | 1 | 40 | 15 | 55 | 6 | 5 | 11 | 46 | 20 | 66 |
| 13.02.08 | Seed production in rice | 1 | 85 | 15 | 100 | - | - | - | 85 | 15 | 100 |
| 27.02.08 | Seed production in pulses | 1 | 35 | 15 | 50 | - | - | - | 35 | 15 | 50 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 28.02.08 | Seed production in pulses | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |
| 03.03.08 | Seed production in pulses | 1 | 20 | 5 | 25 | - | - | - | 20 | 5 | 25 |
| 15.03.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |
| 28.03.08 | Micro irrigation | 1 | 25 | - | 25 | - | - | - | 25 | - | 25 |
| 04.04.08 | Groundnut production | 1 | 8 | 44 | 52 | - | - | - | 8 | 44 | 52 |
| 08.04.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 16.04.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 05.05.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 15.05.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 20.05.08 | Seed production in pulses | 1 | 40 | 12 | 52 | - | - | - | 40 | 12 | 52 |
| 22.05.08 | Seed production in Groundnut | 1 | 22 | 3 | 25 | 8 | - | 8 | 30 | 3 | 33 |
| 23.05.08 | Seed production in pulses | 1 | 77 | 22 | 99 | - | - | - | 77 | 22 | 99 |
| 24.05.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 27.05.08 | Seed production in Groundnut | 1 | 50 | - | 50 | - | - | - | 50 | - | 50 |
| 29.05.08 | Seed production in rice | 1 | 42 | 1 | 43 | 8 | - | 8 | 50 | 1 | 51 |
| 30.05.08 | Seed production in rice | 1 | 130 | - | 130 | - | - | - | 130 | - | 130 |
| 02.06.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |
| 03.06.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 06.06.08 | Seed production in rice | 1 | 63 | 17 | 80 | - | - | - | 63 | 17 | 80 |
| 11.06.08 | Seed production in Groundnut | 1 | 44 | - | 44 | - | - | - | 44 | - | 44 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 16.06.08 | Seed production in pulses | 1 | 39 | 11 | 50 | - | - | - | 39 | 11 | 50 |
| 17.06.08 | Seed production in rice | 1 | 45 | 5 | 50 | - | - | - | 45 | 5 | 50 |
| 20.06.08 | Seed production in rice | 1 | 60 | 10 | 70 | - | - | - | 60 | 10 | 70 |
| 21.06.08 | Seed production in rice | 1 | 109 | - | 109 | - | - | - | 109 | - | 109 |
| 24.06.08 | Coconut production | 1 | 22 | 20 | 42 | - | 7 | 7 | 22 | 7 | 49 |
| 27.06.08 | Seed production in Groundnut | 1 | 46 | - | 46 | - | - | - | 46 | - | 46 |
| 30.06.08 | Seed production in rice | 1 | 120 | - | 120 | - | - | - | 120 | - | 120 |
| 28.07.08 | IPM in vegetables | 1 | 22 | 3 | 25 | 9 | - | 9 | 31 | 3 | 34 |
| 13.08.08 | Vegetable production | 1 | 12 | 10 | 22 | 4 | 4 | 8 | 16 | 14 | 30 |
| 25.08.08 | IPM in vegetables | 1 | 22 | - | 22 | 8 | - | 8 | 30 | - | 30 |
| 23.09.08 | Rehabilitation of tsunami affected farmers | 1 | 8 | 20 | 28 | 4 | 8 | 12 | 12 | 28 | 40 |
| 24.09.08 | Value addition in major crops | 1 | 42 | - | 42 | 8 | - | 8 | 50 | - | 50 |

Rural Youth

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| 28.01.08 | Vermicompost prodn. | 1 | 25 | - | 25 | 5 | - | 5 | 30 | - | 30 |
| 01.02.08 | Vermicompost production | 1 | 20 | 15 | 35 | 5 | 2 | 7 | 25 | 17 | 42 |
| 21.02.08 | Micro irrigation | 1 | 7 | - | 7 | - | - | - | 7 | - | 7 |
| 19.03.08 | Nutrition gardening | 1 | - | 15 | 15 | - | - | - | - | 15 | 15 |
| 16.07.08 | Machine transplanting in rice | 1 | 70 | 11 | 81 | 24 | 10 | 34 | 94 | 21 | 115 |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 22.07.08 | Mushroom production | 1 | - | 18 | 18 | - | 20 | 20 | - | 38 | 38 |
| 06.08.08 | SRI | 1 | 12 | 22 | 34 | 8 | 8 | 16 | 20 | 30 | 50 |
| 07.08.08 | Organic farming | 1 | 13 | 7 | 20 | - | - | - | 13 | 7 | 20 |
| 08.08.08 | Mushroom production | 1 | - | 9 | 9 | - | 14 | 14 | - | 23 | 23 |
| 26.08.08 | Integrated Farming System | 1 | 10 | - | 10 | 5 | - | 5 | 15 | - | 15 |
| 11.09.08 | Vermicompost production | 1 | 10 | 10 | 20 | 2 | 4 | 6 | 12 | 14 | 26 |
| 16.09.08 | Fabrication of conoweeder and marker | 1 | 12 | - | 12 | - | - | - | 12 | - | 12 |
| 17.09.08 | Vermicompost production | 1 | 15 | 15 | 30 | 5 | 4 | 9 | 21 | 19 | 40 |

Extension Personnel

| **Date** | **Title of the training programme** | **Duration in days** | **Number of participants (General)** | | | **Number of SC/ST** | | | **Total number of participants** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| 6.11.07 | INM in rice | 1 | 17 | 1 | 18 | 4 | 1 | 5 | 21 | 2 | 23 |
| 14.11.07 | Dry land agriculture | 1 | 70 | 22 | 92 | 10 | 8 | 18 | 80 | 30 | 110 |
| 11.12.07 | Maximizing rice prodn. | 1 | 28 | 2 | 30 | 2 | - | 2 | 30 | 2 | 32 |
| 29.01.08 | Rice fallow pulse prodn. | 1 | 30 | 1 | 31 | 3 | - | 3 | 33 | 1 | 34 |
| 14.02.08 | INM in pulses | 1 | 22 | 2 | 24 | 5 | - | 5 | 27 | 2 | 29 |
| 10.07.08 | Major horticulture crops production | 1 | 15 | - | 15 | 4 | - | 4 | 19 | - | 19 |

(D) Vocational training programmes for Rural Youth : NIL

*training title should specify the major technology /skill transferred

(E) Sponsored Training Programmes (Give details only for sponsored programmes) : NIL

### 3.4. Extension Programmes (including activities of FLD programmes)

**For Farmers**

| Nature of Extension Programme | No. of Programmes | No. of Participants (General) | | | No. of Participants SC / ST | | | Total | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Field Day | 3 | 87 | 23 | 40 | 34 | 18 | 22 | 121 | 41 | 162 |
| Kisan Mela | - | - | - | - | - | - | - | - | - | - |
| Kisan Ghosthi | - | - | - | - | - | - | - | - | - | - |
| Exhibition | 2 | 285 | 329 | 614 | 90 | 110 | 200 | 375 | 439 | 714 |
| Film Show/PP | 14 | 188 | 124 | 312 | 60 | 48 | 108 | 178 | 240 | 420 |
| Method Demonstrations | 10 | 80 | 86 | 166 | 16 | 28 | 44 | 96 | 114 | 210 |
| Farmers Seminar | 4 | 145 | 75 | 220 | 25 | 15 | 40 | 170 | 90 | 260 |
| Workshop | - | - | - | - | - | - | - | - | - | - |
| Group meetings | 18 | 125 | 45 | 170 | 45 | 195 | 240 | 170 | 240 | 410 |
| Lectures delivered as resource persons | 14 | 225 | 85 | 110 | 95 | 45 | 140 | 310 | 140 | 450 |
| Newspaper coverage | 24 | - | - | - | - | - | - | - | - | - |
| Radio talks | 9 | - | - | - | - | - | - | - | - | - |
| TV talks | 6 | - | - | - | - | - | - | - | - | - |
| Popular articles | 5 | - | - | - | - | - | - | - | - | - |
| Extension Literature | 8 | - | - | - | - | - | - | - | - | - |
| Advisory Services | 51 | 85 | 10 | 100 | 40 | 20 | 55 | 125 | 30 | 155 |
| Scientific visit to farmers field | 9 | 16 | 7 | 23 | 10 | 12 | 22 | 26 | 19 | 45 |
| Farmers visit to KVK | 52 | 158 | 42 | 200 | 22 | 38 | 60 | 180 | 80 | 260 |
| Diagnostic visits | 4 | 8 | 4 | 12 | 16 | 4 | 20 | 24 | 8 | 32 |
| Exposure visits | 4 | 72 | 68 | 140 | 18 | 12 | 30 | 90 | 80 | 170 |
| Ex-trainees Sammelan | - | - | - | - | - | - | - | - | - | - |
| Soil health Camp | - | - | - | - | - | - | - | - | - | - |
| Animal Health Camp | - | - | - | - | - | - | - | - | - | - |
| Agri mobile clinic | - | - | - | - | - | - | - | - | - | - |
| Soil test campaigns | - | - | - | - | - | - | - | - | - | - |
| Farm Science Club Conveners meet | **4** | **50** | **20** | **70** | **28** | **22** | **50** | **78** | **42** | **120** |
| Self Help Group Conveners meetings | - | - | - | - | - | - | - | - | - | - |
| Mahila Mandals Conveners meetings | - | - | - | - | - | - | - | - | - | - |
| Celebration of important days (specify) | - | - | - | - | - | - | - | - | - | - |
| Any Other (Specify) | - | - | - | - | - | - | - | - | - | - |
| **Total** | **241** | | | | | | | | | **3508** |

**For Extension personnel : NIL**

**3.5 Production and supply of technological products (2007-08)**

**SEED MATERIALS**

| Sl. No. | Crop | Variety | Quantity (qtl.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|
| **CEREALS** | **Paddy** | **CR 1009** | **750 kg** | **12000.00** | **20** |
| | Paddy | CO(R) 48 | 3200 kg | 57,600.00 | 250 |
| | Maize | COH(M) 5 | 100 kg | 7500.00 | 20 |
| **OILSEEDS** | - | - | - | - | - |
| **PULSES** | - | - | - | - | - |
| **VEGETABLES** | - | - | - | - | - |
| **FLOWER CROPS** | - | - | - | - | - |
| **OTHERS (Specify)** | - | - | - | - | - |

**SUMMARY**

| Sl. No. | Crop | Quantity (qtl.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|
| 1 | CEREALS | 4050 kg | 77100.00 | 290 |
| 2 | OILSEEDS | - | - | - |
| 3 | PULSES | - | - | - |
| 4 | VEGETABLES | - | - | - |
| 5 | FLOWER CROPS | - | - | - |
| 6 | OTHERS | - | - | - |
| **TOTAL** | | **4050 kg** | **77100.00** | **290** |

PLANTING MATERIALS

| Sl. No. | Crop | Variety | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|
| **FRUITS** | - | - | - | - | - |
| **SPICES** | - | - | - | - | - |

| | | | | | |
|---|---|---|---|---|---|
| **VEGETABLES** | - | - | - | - | - |
| **FOREST SPECIES** | **Casurina** | | **200 No** | **400.00** | **7** |
| **ORNAMENTAL CROPS** | **Crotens** | | **28 No** | **1740.00** | **8** |
| **PLANTATION CROPS** | - | - | - | - | - |
| **Others (specify)** | - | - | - | - | - |

**SUMMARY**

| Sl. No. | Crop | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|
| 1 | FRUITS | - | - | - |
| 2 | VEGETABLES | - | - | - |
| 3 | SPICES | - | - | - |
| 4 | FOREST SPECIES | - | - | - |
| 5 | ORNAMENTAL CROPS | - | - | - |
| 6 | PLANTATION CROPS | - | - | - |
| 7 | OTHERS | - | - | - |
| | **TOTAL** | - | - | - |

**BIO PRODUCTS**

| Sl. No. | Product Name | Species | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| | | | | | | |
| **BIOAGENTS** | | | | | | |
| 1. | Vermicompost | | | 3,000 kg | 12,000.00 | 700 |
| 2 | Coirpith compost | | | 2,000 kg | 8,000.00 | 300 |
| **BIOFERTILIZERS** | | | | | | |
| 1 | - | - | - | - | - | - |
| 2 | - | - | - | - | - | - |
| **BIO PESTICIDES** | | | | | | |
| 1 | - | - | - | - | - | - |
| 2 | - | - | - | - | - | - |

**SUMMARY**

| Sl. No. | Product Name | Species | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| 1 | BIOAGENTS | | | | | |
| | | Vermicompost | - | 3000 kg | 12,000 | 700 |
| | | Coirpith compost | - | 2000 kg | 8,000 | 500 |
| 2 | BIO FERTILIZERS | - | - | - | - | - |
| 3 | BIO PESTICIDE | - | - | - | - | - |
| | **TOTAL** | | | | | |

**LIVESTOCK : NIL**

**3.6. Literature Developed/Published (with full title, author & reference)**

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

(B) Literature developed/published

| Item | Title | Authors name | Number |
|---|---|---|---|
| Research papers | | | |
| Technical reports | | | |
| News letters | Ulavan | KVK Team | 500 |
| Technical bulletins | - | | |
| Popular articles | - | | |
| Extension literature | Folders<br>1. Vermicompost<br>2. Drum seeder<br>3. Integrated rodent management<br>4. Pro-tray technology<br>5. Tee cultivation<br>6. Casuarina cultivation<br>7. Package of practices for pulses<br>8. IPM & INM coconut<br>9. Integrated fish culture<br>10. Management strategies to save the flood and rain affected rice crops | Gouthaman,K.C.and et al 2008 | 200 |

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

**(C) Details of Electronic Media Produced : NIL**

**Success Stories / Case studies, if any (two or three pages write-up on each case with suitable action photographs. The Success Stories / Case Studies need not be restricted to the reporting period).**

## ***Messaiah* of farming community**

Shri. Jeevanantha, S/o. Ganapathy a progressive farmer of Nangudi a nearby village from KVK premises, who used to visit KVK very frequently to take advice on farm activities.

He is a seed producer (Pulses & Rice) and was not able to generate good remuneration for all his efforts, all the time fighting against floods, droughts and natural calamities, being this coastal district from the tail end of the cauvery delta net work. Rice is the prime crop, since the soil is clayey with poor drainage and any cropping is only based on rice farming. He is also the first person in Nagapattinam to adopt SRI with the advice of the scientists from KVK,Nagapattinam and practicing since 2001. Rice being a low remunerative crop he wanted to switch over to alternate cropping/farming system to generate more income and sustainability in production system.

Since water is a very scarce input during summer and kharif, he has excavated a farm pond (1.0 acre) for harvesting rain water with the assistance of the Department of Agricultural Engineering during 2004. He has also raised a piece of low level (0.25 ac) with the excavated soil. He has been practicising fish farming besides rearing some goats.

He has approached the KVK to take advice on improving his farm and to generate more income. Accordingly his farm was visited by KVK scientists and appropriate advises/solutions were offered from time to time.

He was suggested to go for high value crops in the raised portion of his farm (0.25 ac.). Accordingly seedlings of casuarinas were provided for border planting and annual moringa (PKM1) for planting along the bunds of the farm pond. Seeds of F1 hybrid chillies (10 gm) and cabbage suitable for plain (10 gm) were given during December 2006. He has planted 10 cents of chillies hybrid (Priyanka) and 10 cents of cabbage (Hari Rani) accordingly to the package provided. He has obtained 300 kg of cabbage from one cent area with a gross income of R.30,000/- in a span two months from the day of planting from 10 cents.

He has also made a record yield from his chilli crop. He maintained the crop for 9 months in his field. He has obtained Rs.52,000/- by sale of green chillies (price ranged from Rs.9/- to Rs.11/- per kg). Besides green chillies for 10 cents, When projected to an acre the yield of green chillies works out to 72t (180t/ha) which can provide a gross income of Rs.18/- to Rs.20 lakhs/ha.

This crop was witnessed by hundreds of farmers who have been motivated to go for hybrid vegetables. Presently nearly 100 farmers are practicising.

After some field rectification he has gone for planting 20 cents with Hari Rani cabbage raised from pro-trays with the guidance of KVK. Inter cropping is done with knol-khol (w.vienna). Chillies (var.Priyanka) will be raised in portrays and will be kept ready to plant after cabbage as a relay crop.

His field is being witnessed by farmers from various blocks every day and taking his advice. He is serving an excellent model in this district, not only in vegetables, but also in rice cultivation.

Several demonstrations to serve the farming public were conducted in rice such as SRI, Direct seeding with drum seeder, herbicide usage in weed control and usage of conoweeder beside integrated farming system. Yield increase in paddy from 20-40 percent in rice through SRI and a saving of Rs.5000/- per ha. in the cost of cultivation of rice through drum-seeding has been visually observed by hundreds of farmers.

Based on the previous years experience, he has raised one hectare of his field level sufficiently enough to drain excess water thoroughly by digging two more farm ponds to provide supplemental irrigation in summer/kharif to the high value crops to be raised undr precision farming with the guidance of KVK.

He is practicing integrated use of fertilizers and FYM/goat manure as suggested by KVK in the place of FYM alone for vegetables as being done conventionally in the coastal area.

He has become a master trainer for hundreds of farmers in the coastal Nagapattinam where farmers have recorded 30t/ac and more in tomato F1 hybrid (Laxmi) through pro-tray seedlings and 14t/ac and more in chillies F1 hybrid (Priyanka). Harvest of chillies is being continued.

**3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year**

Master trainers have been developed in the field of high value vegetable production, mushroom production, vermicompost technology.

**3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) : nil**

**3.10 Indicate the specific training need analysis tools/methodology followed for**

- Identification of courses for farmers/farm women : Training need assessment survey, meetings etc.
- Rural Youth
- Inservice personnel : Group discussion, meeting, interviews and telephone enquiries

**3.11 Field activities**

| | | | |
|---|---|---|---|
| i. | Number of villages adopted | : | 2 (North poigainallur and Vellappallam) |
| ii. | No. of farm families selected | : | 20 |
| iii. | No. of survey/PRA conducted | : | 4 |

**3.12. Activities of Soil and Water Testing Laboratory : NIL**

## 4.0 IMPACT

**4.1. Impact of KVK activities (Not to be restricted for reporting period).**

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) | |
|---|---|---|---|---|
| | | | Before (Rs./Unit) | After (Rs./Unit) |
| SRI | 600 | 90 | - | - |
| Drum seeder | 250 | 67 | - | - |

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants.

**4.2. Cases of large scale adoption**
**(Please furnish detailed information for each case)**

**4.3 Details of impact analysis of KVK activities carried out during the reporting period**

## 5.0 LINKAGES

**5.1 Functional linkage with different organizations**

| Sl.No. | Name of organization | Nature of linkage |
|---|---|---|
| 1. | State dept. of Agriculture | 1. Joint training programmes and implementations of Rashtriya Sam Vikas Yojana, Tsunami relief, need assessment of farmers and technical guidance to other agrl. Oriented programmes. |

| | | |
|---|---|---|
| | | 2. Giving technical support and infrastructural support during monthly zonal workshop. |
| 2. | Dept. of Horticulture | 1. Joint training programme and implementation of Rashtriya San Vikas Yojana, Tsunami relief and other development programmes.<br>2. Offering need based technical guidance to the extension functionaries. |
| 3. | NABARD | Organizing Farm Science Club |
| 4. | Local, NGOs (DHAN, KUDUMBAM, CAP-TEEN, CREATE, CWS, CES, PCI and others) and NCRC | Organizing Technical training Programmes and offering technical guidance on the rehabilitation of tsunami affected farmers. |
| 5. | TRRI (Aduthurai), SWMRI (Thanjavur) Krishi Vigyan Kendra, (Needamangalam) | Technical consultancy and exchange of SMS during training programmes. |
| 6. | AIR (Trichy, Karaikal) | Offering radio programmes on latest crop production technologies. |
| 7. | DRDA, Nagapattinam | Organizing need based training programme and promoting agricultural entrepreneuship |
| 8. | NHM | To implement the precision farming |
| 9. | Govt. of India | To implement the Seed Village Scheme programme offer guideline |
| 10. | District Collectorate | To implement the waste land development scheme and land reforms counseling. |
| 11. | Municipality and Mahalir Thittam | Organizing skill development traing programme to rural youth SHGs. |

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

**5.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies**

| Name of the scheme | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|---|---|---|---|
| **Seed village scheme** | **2007-08** | **Govt.of India** | **Rs.530000/-** |

**5.3 Details of linkage with ATMA**

a) Is ATMA implemented in your district Yes

**5.4 Give details of programmes implemented under National Horticultural Mission : NIL**

**5.5 Nature of linkage with National Fisheries Development Board : NIL**

## 6. PERFORMANCE OF INFRASTRUCTURE IN KVK

**6.1 Performance of demonstration units (other than instructional farm) : Not yet established**

**6.2 Performance of instructional farm (Crops) including seed production**

| Name of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Type of Produce | Qty. | Cost of inputs | Gross income | |
| Cereals | 07.09.07 | 24.01.08 | 0.75 ac | CR1009 | Seed Production | 750 kg | | | |
| | 17.08.07 | 09.01.08 | 3.0 ac | CO(R) 48 | Seed Production | 3200 kg | | | |
| | 11.07.08 | 17.10.07 | 2.0 ac | COH(M)5 | Seed Production | 100 kg | | | |
| Pulses | - | - | - | - | - | - | - | - | - |
| Oilseeds | - | - | - | - | - | - | - | - | - |
| Fibers | - | - | - | - | - | - | - | - | - |
| Spices & Plantation crops | | | | | | | | | |
| Floriculture | - | - | - | - | - | - | - | - | - |
| Fruits | - | - | - | - | - | - | - | - | - |
| Vegetables | - | - | - | - | - | - | - | - | - |
| Others (specify) | | | | | | | | | |

**6.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)**

| Sl. No. | Name of the Product | Qty | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|
| | | | Cost of inputs | Gross income | |
| 1. | Vermicompost | 3000 kg | Rs.4.00/kg | 12,000/- | - |
| 2. | Coirpith compost | 2000 kg | Rs.4.00/kg | 8,000/- | - |

**6.4 Performance of instructional farm (livestock and fisheries production) : NIL**

**6.5 Utilization of hostel facilities : Under construction**

7.0. Achievements in database management

| S.No. | Target | | Achievement |
|---|---|---|---|
| | Name of database | Content of database | |
| 1. | Resource inventory of the district | 1. Nine fold classification of land<br>2. Number and size of operational holdings<br>3. Weather parameters of the district (for a minimum period of ten years)<br>4. Details of soil profile<br>5. Detailed cropping pattern(for a minimum period of ten years)<br>6. Area, production and productivity of major crops<br>7. Details of livestock wealth in the district<br>8. Production and productivity of livestock produces<br>9. Area under irrigation from different sources<br>10. Seasonal availability of labour<br>11. Trend in wholesale price of major crop and livestock products (for a minimum period of ten years)<br>12. Details on input agencies<br>13. Details on infrastructural facilities available for production, post harvest and marketing<br>14. Details of institutional credit facilities<br>15. Any other relevant to district | Data collection is in progress |

**8. Details on Rain Water Harvesting structure and micro-irrigation system : NIL**

## 9. FINANCIAL PERFORMANCE

### 9.1 Details of KVK Bank accounts

| Bank account | Name of the bank | Location | Account Number |
|---|---|---|---|
| With Host Institute | State Bank of India | Nagapattinam | KVK – Main - 10977883105 |
| With KVK | State Bank of India | Nagapattinam | KVK- RF – 1097789433-3 |
| | State Bank of India | Nagapattinam | RF – Seed Production - 10977883105 |

### 9.2 Utilization of funds under FLD on Oilseed *(Rs. in Lakh)*

| Item | Released by ICAR | | Expenditure | | Unspent balance as on 1st April 2008 |
|---|---|---|---|---|---|
| | Kharif 2007 | Rabi 2007 -08 | Kharif 2007 | Rabi 2007-08 | |
| Inputs | 12250 | 35000 | 33279 | 4356 | 4168 |
| Extension activities | 1750 | 5000 | 350 | - | |
| TA/DA/POL etc. | 1750 | 5000 | 1687 | 1202 | |
| DEE | 875 | 2500 | - | - | |
| **TOTAL** | **16625** | **47500** | **37774** | **5558** | |

### 9.3 Utilization of funds under FLD on Pulses *(Rs. in Lakh)*

| Item | Released by ICAR | | Expenditure | | Unspent balance as on 1st April 2008 |
|---|---|---|---|---|---|
| | Kharif 2007 | Rabi 2007 -08 | Kharif 2007 | Rabi 2007 -08 | |
| Inputs | - | 35000 | | 18610 | 25040 |
| Extension activities | - | 5000 | - | | |
| TA/DA/POL etc. | - | 5000 | - | 3850 | |
| DEE | - | 2500 | - | - | |
| TOTAL | - | 47500 | - | 22460 | |

**9.4 Utilization of funds under FLD on Cotton *(Rs. in Lakh)* : *N.A***

**9.5 Utilization of KVK funds during the year 2007 -08 and 2008 -09 (upto Sep. 2008) (year-wise separately) (current year and previous year) (Rs. in lakh)**

| S. No. | Particulars | B.E /RE 2007-08 | Expr. as on 31.3.08 | B.E. 2008-09 | Released | Expenditure upto Sept. 30.9.2008 |
|---|---|---|---|---|---|---|
| **A. Recurring Contingencies** | | | | | 1812974 | |
| 1 | **Pay & Allowances** | 3100000 | 3819566 | 3300000 | | 2478236 |
| 2 | **Traveling allowances** | 100000 | 90023 | 100000 | | 33369 |
| 3 | **Contingencies** | 700000 | | 600000 | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 217000 | 217168 | 200000 | | 179653 |
| *B* | POL, repair of vehicles, tractor and equipments | 140000 | 130555 | 100000 | | 58446 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 91000 | 36826 | 90000 | | 27801 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 84000 | 83460 | 87000 | | 21685 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 88000 | 85224 | 6000 | | 1303 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 42000 | 12110 | 16000 | | - |
| *G* | Training of extension functionaries | 28000 | 27657 | 20000 | | 1500 |
| *H* | Maintenance of buildings | - | - | - | | - |
| *I* | Field farmers school | - | | 17000 | | - |
| *J* | Library | 10000 | 5869 | 10000 | | 500 |
| | **TOTAL (A)** | **3900000** | **598869** | **4000000** | | **290888** |
| **B. Non-Recurring Contingencies** | | | | | | |
| 1 | **Works (a) Furniture** | 500000 | 499250 | - | | - |
| 2 | **Staff quarters** | 1000000 | 1000000 | - | | - |
| 3 | **Xerox machine** | 75000 | - | - | | - |
| | | | | | | |
| 4 | **Library** (Purchase of assets like books & journals) | **-** | **-** | **-** | | **-** |
| | **TOTAL (B)** | 1575000 | 1499250 | - | | - |
| | **C. REVOLVING FUND** | - | - | - | | - |
| | **GRAND TOTAL (A+B+C)** | **5475000** | **6007708** | **4000000** | | **2802493** |

**9.6 Status of revolving fund (Rs. in lakh) for the three years**

| Year | Opening balance as on 1st April | Income during the year | Expenditure during the year | Net balance in hand as on 1st April of each year |
|---|---|---|---|---|
| April 2005 to March 2006 | 1,08347.01 | 976579.51 | 843860.00 | 241066.52 |
| April 2006 to March 2007 | 1,32,719.51 | 770235.67 | 765655.00 | 137300.18 |
| April 2007 to March 2008 | 1,37,300.18 | 1127865.00 | 1055709.00 | 209456.18 |

**10.0 Please include information which has not been reflected above (write in detail) : NIL**

## SUMMARY TABLES

**1 Details of Technology assessment and refinement**

**Table 1A: Abstract on the number of technologies assessed in respect of crops**

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Varietal Evaluation | - | - | - | - | - | - | - | - | - | - |
| Seed / Plant production | - | - | - | - | - | - | - | - | - | - |
| Weed Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | - | - | - | - | - | - | - | - | - | - |
| Integrated Nutrient Management | - | - | - | - | 1 | - | - | - | - | - |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| Drudgery reduction | - | - | - | - | - | - | - | - | - | - |
| Farm machineries | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Pest Management | 1 | - | - | - | - | - | - | - | - | - |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Resource conservation technology | - | - | - | - | - | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **1** | **-** | **-** | **-** | **1** | **-** | **-** | **-** | **-** | **-** |

**Table 1 B; Abstract on the number of technologies refined in respect of crops : NIL**

**Table 1 C: Abstract on the number of technologies assessed in respect of livestock enterprises : NIL**

**Table 1 D: Abstract on the number of technologies refined in respect of livestock enterprises :NIL**

**Table – 1 E Details of technology refined : NIL**

**2. Details of Frontline Demonstrations**

**Table – 2 A Front Line Demonstrations on Oilseed Crops**

| Crop | Technology Demonstrated | No. of Farmers | Area (ha.) | Demo. Yield (q/ha) | Local Check (q/ha) | Increase in yield (%) | Data on parameter in relation to technology demonstrated | | Average Net Return (Profit) (Rs./ha) | Benefit -Cost Ratio (Gross Return / Gross Cost) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Demo | Local | | |
| Ground nut | INM and IPM techniques (Kharif 2007) | 12 | 5 | 15.80 | 12.40 | 27.40 | yield | yield | 30,025 | 1:2.72 |
| Ground nut | Introduction of new variety TMV.13 (Rabi/summer 2007-08) | 12 | 5 | 23.0 | 17.5 | 31.10 | yield | yield | 52,000 | 1:3.4 |
| Sesame | Improved package of practices-TMV 4 (Rabi/summer 2007-08) | 12 | 5 | Heavy rains during early stage completely damaged the standing crop in the whole of the district. | | | | | | |
| Ground nut | INM and IPM techniques (Kharif 2008) | 12 | 5 | In progress. | | | | | | |

**Table – 2 B Front Line Demonstrations on Pulse Crops**

| Crop | Technology Demonstrated | No. of Farmers | Area (ha.) | Demo. Yield | Local Check | Increase in yield (%) | Data on parameter in relation to technology demonstrated | | Average Net Return (Profit) (Rs./ha) | Benefit-Cost Ratio (Gross Return / Gross Cost) |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Demo | Local | | |
| Black gram | Improved package of practices-ADT.3 | 25 | 10 | Heavy rains during flowering and pod formation stage completely damaged the standing crop in the whole of the district. | | | | | | |

**Table – 2 C Front Line Demonstrations on Cotton : NIL**

**Table – 2 D Front Line Demonstrations on Other Crops : NIL**

**Table – 2 E Front Line Demonstrations on Other enterprises: NIL**

**3. Details of training programmes conducted:**

**Table – 3 A Area-wise distributions of On + Off Campus Training Courses for Farmers and Farm Women (regular + sponsored)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total |
| | | Male | Female | Total | Male | Female | Total | |
| **Crop Production** | | | | | | | | |
| Weed Management | - | - | - | - | - | - | - | - |
| Resource Conservation Technologies | - | - | - | - | - | - | - | - |
| Cropping Systems | - | - | - | - | - | - | - | - |
| Crop Diversification | - | - | - | - | - | - | - | - |
| Integrated Farming | - | - | - | - | - | - | - | - |
| Micro Irrigation/Irrigation | 5 | 84 | 19 | 103 | 17 | 7 | 24 | 127 |
| Seed production | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - |
| Integrated Crop Management | - | - | - | - | - | - | - | - |
| Soil and Water Conservation | - | - | - | - | - | - | - | - |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - |
| Production of organic inputs | - | - | - | - | - | - | - | - |
| **Horticulture** | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | |
| Production of low value and high volume crop | 4 | 65 | 17 | 82 | 4 | 4 | 8 | 90 |
| Off-season vegetables | - | - | - | - | - | - | - | - |
| Nursery raising | - | - | - | - | - | - | - | - |
| Exotic vegetables | - | - | - | - | - | - | - | - |
| Export potential vegetables | - | - | - | - | - | - | - | - |
| Grading and standardization | - | - | - | - | - | - | - | - |
| Protective cultivation (precision farming) | 2 | 37 | 2 | 39 | 4 | - | 4 | 43 |
| **b) Fruits** | - | - | - | - | - | - | - | - |
| Training and Pruning | - | - | - | - | - | - | - | - |
| Layout and Management of Orchards | - | - | - | - | - | - | - | - |
| Cultivation of Fruit | - | - | - | - | - | - | - | - |
| Management of young plants/orchards | - | - | - | - | - | - | - | - |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - |
| Export potential fruits | - | - | - | - | - | - | - | - |
| Micro irrigation systems of orchards | - | - | - | - | - | - | - | - |
| Plant propagation techniques | - | - | - | - | - | - | - | - |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| **c) Ornamental Plants** | | | | | | | | |
| Nursery Management | - | - | - | - | - | - | - | - |
| Management of potted plants | - | - | - | - | - | - | - | - |
| Export potential of ornamental plants | - | - | - | - | - | - | - | - |
| Propagation techniques of Ornamental Plants | - | - | - | - | - | - | - | - |
| **d) Plantation crops** | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - |
| **e) Tuber crops** | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - |
| **f) Spices** | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - |
| **g) Medicinal and Aromatic Plants** | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - |
| Production and management technology | - | - | - | - | - | - | - | - |
| Post harvest technology and value addition | - | - | - | - | - | - | - | - |
| **Soil Health and Fertility Management** | - | - | - | - | - | - | - | - |
| Soil fertility management | 5 | 79 | 37 | 116 | 16 | 13 | 29 | 145 |
| Integrated water management | - | - | - | - | - | - | - | - |
| Integrated nutrient management | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - |
| Management of Problematic soils | - | - | - | - | - | - | - | - |
| Micro nutrient deficiency in crops | - | - | - | - | - | - | - | - |
| Nutrient use efficiency | - | - | - | - | - | - | - | - |
| Balanced use of fertilizers | - | - | - | - | - | - | - | - |
| Soil and water testing | - | - | - | - | - | - | - | - |
| **Livestock Production and Management** | | | | | | | | |
| Dairy Management | - | - | - | - | - | - | - | - |
| Poultry Management | - | - | - | - | - | - | - | - |
| Piggery Management | - | - | - | - | - | - | - | - |
| Rabbit Management | - | - | - | - | - | - | - | - |
| Animal Disease Management | - | - | - | - | - | - | - | - |
| Feed and Fodder technology | - | - | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | - | - | - |
| **Home Science/Women empowerment** | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | - | - | - | - | - | - | - | - |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Design and development of low/minimum cost diet | - | - | - | - | - | - | - | - |
| Designing and development for high nutrient efficiency diet | - | - | - | - | - | - | - | - |
| Minimization of nutrient loss in processing | - | - | - | - | - | - | - | - |
| Processing and cooking | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - |
| Storage loss minimization techniques | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - |
| Women empowerment | - | - | - | - | - | - | - | - |
| Location specific drudgery production | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - |
| Women and child care | - | - | - | - | - | - | - | - |
| **Agril. Engineering** | | | | | | | | |
| Farm machinery and its maintenance | - | - | - | - | - | - | - | - |
| Installation and maintenance of micro irrigation systems | - | - | - | - | - | - | - | - |
| Use of Plastics in farming practices | - | - | - | - | - | - | - | - |
| Production of small tools and implements | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - |
| Small scale processing and value addition | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - |
| **Plant Protection** | - | - | - | - | - | - | - | - |
| Integrated Pest Management | - | - | - | - | - | - | - | - |
| Integrated Disease Management | - | - | - | - | - | - | - | - |
| Bio-control of pests and diseases | - | - | - | - | - | - | - | - |
| Production of bio control agents and bio pesticides | - | - | - | - | - | - | - | - |
| **Fisheries** | | | | | | | | |
| Integrated fish farming | - | - | - | - | - | - | - | - |
| Carp breeding and hatchery management | - | - | - | - | - | - | - | - |
| Carp fry and fingerling rearing | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - |
| Hatchery management and culture of freshwater prawn | - | - | - | - | - | - | - | - |
| Breeding and culture of ornamental fishes | - | - | - | - | - | - | - | - |
| Portable plastic carp hatchery | - | - | - | - | - | - | - | - |
| Pen culture of fish and prawn | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - |
| Edible oyster farming | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - |
| Fish processing and value addition | - | - | - | - | - | - | - | - |
| **Production of Inputs at site** | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Seed Production | 47 | 2587 | 623 | 3210 | 39 | 34 | 73 | 3283 |
| Planting material production | - | - | - | - | - | - | - | - |
| Bio-agents production | - | - | - | - | - | - | - | - |
| Bio-pesticides production | - | - | - | - | - | - | - | - |
| Bio-fertilizer production | - | - | - | - | - | - | - | - |
| Vermi-compost production | 1 | 12 | 3 | 15 | - | - | - | 15 |
| Organic manures production | 3 | 63 | 13 | 76 | 9 | - | 9 | 85 |
| Production of fry and fingerlings | - | - | - | - | - | - | - | - |
| Production of Bee-colonies and wax sheets | - | - | - | - | - | - | - | - |
| Small tools and implements | - | - | - | - | - | - | - | - |
| Production of livestock feed and fodder | - | - | - | - | - | - | - | - |
| Production of Fish feed | - | - | - | - | - | - | - | - |
| **Capacity Building and Group Dynamics** | | | | | | | | |
| Leadership development | - | - | - | - | - | - | - | - |
| Group dynamics | - | - | - | - | - | - | - | - |
| Formation and Management of SHGs | - | - | - | - | - | - | - | - |
| Mobilization of social capital | - | - | - | - | - | - | - | - |
| Entrepreneurial development of farmers/youths | 1 | 20 | 3 | 23 | 4 | 2 | 6 | 29 |
| **Agro-forestry** | | | | | | | | |
| Production technologies | 4 | 71 | 42 | 113 | 17 | 6 | 23 | 136 |
| Nursery management | - | - | - | - | - | - | - | - |
| Integrated Farming Systems | - | - | - | - | - | - | - | - |
| **Others** (Pl. specify) IPM | 9 | 224 | 32 | 256 | 47 | - | 47 | 303 |
| Sustainable agriculture - strategies | 1 | 15 | 28 | 43 | 7 | 5 | 12 | 55 |
| Hybrid Maize | 1 | 11 | 3 | 14 | - | - | - | 14 |

**Table – 3 B Area-wise distribution of On + Off Campus Training Courses for Rural Youth (regular + sponsored + vocational)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total |
| | | Male | Female | Total | Male | Female | Total | |
| Mushroom Production | 2 | - | 27 | 27 | - | 34 | 34 | 61 |
| Bee-keeping | | | | | | | | |
| Integrated farming | 1 | 10 | - | 10 | 5 | - | 5 | 15 |
| Seed production | | | | | | | | |
| Production of organic inputs | | | | | | | | |
| Organic Farming | 1 | 13 | 7 | 20 | - | - | - | 20 |
| Planting material production | | | | | | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Vermi-culture | 4 | 70 | 40 | 110 | 17 | 10 | 27 | 137 |
| Sericulture | - | - | - | - | - | - | - | - |
| Protected cultivation of vegetable crops | - | - | - | - | - | - | - | - |
| Commercial fruit production | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - |
| Nursery Management of Horticulture crops | - | - | - | - | - | - | - | - |
| Training and pruning of orchards | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | - | - | - |
| Dairying | - | - | - | - | - | - | - | - |
| Sheep and goat rearing | - | - | - | - | - | - | - | - |
| Quail farming | - | - | - | - | - | - | - | - |
| Piggery | - | - | - | - | - | - | - | - |
| Rabbit farming | - | - | - | - | - | - | - | - |
| Poultry production | - | - | - | - | - | - | - | - |
| Ornamental fisheries | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - |
| Freshwater prawn culture | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - |
| Cold water fisheries | - | - | - | - | - | - | - | - |
| Fish harvest and processing technology | - | - | - | - | - | - | - | - |
| Fry and fingerling rearing | - | - | - | - | - | - | - | - |
| Small scale processing | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - |
| Tailoring and Stitching | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - |
| Others – Micro irrigation | 1 | 7 | - | 7 | - | - | - | 7 |
| Conoweeder/marker fabrication | 1 | 12 | - | 12 | - | - | - | 12 |
| SRI | 1 | 12 | 22 | 34 | 8 | 8 | 16 | 50 |
| Nutrition gardening | 1 | - | 15 | 15 | - | - | - | 15 |
| Machine transplanting | 1 | 70 | 11 | 81 | 24 | 10 | 34 | 115 |

**Table – 3 C Area-wise distribution of On + Off Campus Training Courses for In-service Extension Personnel (regular + sponsored )**

| Thematic Area | No. of Courses | No. of Participants | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total |
| | | Male | Female | Total | Male | Female | Total | |
| Productivity enhancement in field crops | 4 | 143 | 25 | 168 | 29 | 8 | 37 | 205 |
| Integrated Pest Management | | | | | | | | |
| Integrated Nutrient management | 2 | 47 | 2 | 49 | 9 | 1 | 10 | 59 |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - |
| Protected cultivation technology | - | - | - | - | - | - | - | - |
| Formation and Management of SHGs | - | - | - | - | - | - | - | - |
| Group Dynamics and farmers organization | - | - | - | - | - | - | - | - |
| Information networking among farmers | - | - | - | - | - | - | - | - |
| Capacity building for ICT application | - | - | - | - | - | - | - | - |
| Care and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - |
| Management in farm animals | - | - | - | - | - | - | - | - |
| Livestock feed and fodder production | - | - | - | - | - | - | - | - |
| Household food security | - | - | - | - | - | - | - | - |
| Women and Child care | - | - | - | - | - | - | - | - |
| Low cost and nutrient efficient diet designing | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - |
| Any other (pl.specify) | - | - | - | - | - | - | - | - |

**Table – 4 Numbers of Extension Activities and Beneficiaries**

| **Nature of Extension Activity** | **No. of activities** | **Farmers** | | | **Extension Officials** | | | **Total** | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Field Day | 3 | 121 | 41 | 162 | - | - | - | 121 | 41 | 162 |
| Kisan Mela | - | - | - | - | - | - | - | - | - | - |
| Kisan Ghosthi | - | - | - | - | - | - | - | - | - | - |
| Exhibition | 2 | 375 | 439 | 714 | - | - | - | 375 | 439 | 714 |
| Film Show | 14 | 178 | 240 | 420 | - | - | - | 178 | 240 | 420 |
| Method Demonstrations | 10 | 96 | 114 | 210 | - | - | - | 96 | 114 | 210 |
| Farmers Seminar | 4 | 170 | 90 | 260 | - | - | - | 170 | 90 | 260 |
| Workshop | - | - | - | - | - | - | - | - | - | - |
| Group meetings | 18 | 170 | 240 | 410 | - | - | - | 170 | 240 | 410 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Lectures delivered | 14 | 310 | 140 | 450 | - | - | - | 310 | 140 | 450 |
| Newspaper coverage | 24 | - | - | - | - | - | - | - | - | - |
| Radio coverage | 9 | - | - | - | - | - | - | - | - | - |
| TV coverage | 6 | - | - | - | - | - | - | - | - | - |
| Radio Programmes | 5 | - | - | - | - | - | - | - | - | - |
| TV Programmes | 8 | - | - | - | - | - | - | - | - | - |
| Publications | 51 | 125 | 30 | 155 | - | - | - | 125 | 30 | 155 |
| Popular articles | 9 | 26 | 19 | 45 | - | - | - | 26 | 19 | 45 |
| Extension Literature | 52 | 180 | 80 | 260 | - | - | - | 180 | 80 | 260 |
| Advisory Services | 4 | 24 | 8 | 32 | - | - | - | 24 | 8 | 32 |
| Scientific visit to farmers field | 4 | 90 | 80 | 170 | - | - | - | 90 | 80 | 170 |
| Farmers visit to KVK | - | - | - | - | - | - | - | - | - | - |
| Diagnostic visits | - | - | - | - | - | - | - | - | - | - |
| Field visits | - | - | - | - | - | - | - | - | - | - |
| Exposure visits | - | - | - | - | - | - | - | - | - | - |
| Ex-trainees Sammelan | - | - | - | - | - | - | - | - | - | - |
| Agriculture Camps | 4 | 78 | 42 | 120 | - | - | - | 78 | 42 | 120 |
| Clinic day | - | - | - | - | - | - | - | - | - | - |
| Soil health Camp | - | - | - | - | - | - | - | - | - | - |
| Animal Health Camp | - | - | - | - | - | - | - | - | - | - |
| Agri mobile clinic | - | - | - | - | - | - | - | - | - | - |
| Soil test campaigns | - | - | - | - | - | - | - | | - | - |
| Farm Science Club Conveners meet | - | - | - | - | - | - | - | | - | - |
| Self Help Group Conveners meetings | - | - | - | - | - | - | - | | - | - |
| Mahila Mandals Conveners meetings | - | - | - | - | - | - | - | | - | - |
| Celebration of important days (specify) | - | - | - | - | - | - | - | | - | - |
| Any Other (Specify) | - | - | - | - | - | - | - | | - | - |

**Table – 5 A Productions of Seeds**

| Sl. No. | Crop | Quantity (qtl.) | Value ( in Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|
| **I. CEREALS** | | | | |
| 1 | Paddy – CR1009 | 750 kg | 12000.00 | 20 |
| 2 | Paddy – CO(R)48 | 3200 kg | 57600.00 | 250 |
| 3 | Maize COH(M)5 | 100 kg | 7500.00 | 20 |

**SUMMARY**

| Sl. No. | Crop | Quantity (qtl.) | Value ( in Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|
| **I** | **CEREALS** | **4050 kg** | **77100.00** | **290** |
| **II** | **OIL SEEDS** | | | |
| **III** | **PULSES** | | | |
| **IV** | **VEGETABLES** | | | |
| **V** | **OTHERS (Specify)** | | | |
| **TOTAL** | | | | |

**Table – 5 B Production of planting/seedling materials of Fruits/Vegetables/Forest Species**

| Sl. No. | Category | Crop | Quantity (Nos.) | Value ( in Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|
| **I. FRUITS** | | | | | |
| 1 | - | - | **-** | **-** | **-** |
| **Total** | - | - | **-** | **-** | **-** |
| **II. VEGETABLES** | | | | | |
| 1 | - | - | **-** | **-** | **-** |
| **Total** | - | - | **-** | **-** | **-** |
| **III. SPICES** | | | | | |
| 1 | - | - | - | - | - |
| **Total** | - | - | - | - | - |
| **IV. FOREST SPECIES** | | | | | |
| 1 | | Casuraina | **200 No** | **400.00** | **7 Nos.** |
| 2 | | | - | - | - |
| **Total** | - | - | - | - | - |

| | | | | | |
|---|---|---|---|---|---|
| **V. ORNAMENTAL CROPS** | | | | | |
| 1 | - | - | - | - | - |
| 2 | - | - | - | - | - |
| **Total** | - | - | - | - | - |
| **VI. PLANTATION CROPS** | | | | | |
| 1 | | Crotens | **28 No** | **1740.00** | **8 Nos.** |
| **VII. OTHERS (Specify)** | | | | | |
| 1 | | | | | |
| 2 | | | | | |
| **Total** | | | | | |

**SUMMARY**

| Sl. No. | Crop | Quantity (Nos.) | Value ( in Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|
| **I** | **FRUITS** | | | |
| **II** | **VEGETABLES** | | | |
| **III** | **SPICES** | | | |
| **IV** | **FOREST SPECIES** | **200** | **400** | **7** |
| **V** | **ORNAMENTAL CROPS** | **28 No** | **1740** | **8** |
| **VI** | **PLANTATION CROPS** | | | |
| **VII** | **OTHERS** | | | |
| **TOTAL** | | | | |

**Table –5 C Production of bio products**

| Sl. No. | Product Name | Species | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| | | | | | | |
| **I. BIOAGENTS** | | | | | | |
| 1 | **Vermicompost** | ***Eudrilus* eugeniae** | | **3000 kg** | **12000/-** | **700** |
| 2 | **Coirpith compost** | | | **2000 kg** | **8000/-** | **500** |
| **II. BIOFERTILIZERS** | **-** | **-** | **-** | **-** | **-** | **-** |
| **III. BIO PESTICIDES** | **-** | **-** | **-** | **-** | **-** | **-** |

**SUMMARY**

| Sl. No. | Product Name | Species | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| I | BIOAGENTS | Vermicompost | | 3000 | 12000/- | 700 |
| | | Coipith compost | | 2000 | 8000/- | 500 |
| II | BIO FERTILIZERS | - | - | - | - | - |
| III | BIO PESTICIDE | - | - | - | - | - |
| | TOTAL | - | - | 5000 | 20000 | 1200 |

**Table 5 D Livestock materials**

| Sl. No. | Type | Breed | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | (Nos | Kgs | | |
| I. CATTLE | - | - | - | - | - | - |
| II. SHEEP AND GOAT | - | - | - | - | - | - |
| III. POULTRY | - | - | - | - | - | - |
| IV. FISHERIES | - | - | - | - | - | - |
| V. Others (Specify) | - | - | - | - | - | - |

**SUMMARY**

| Sl. No. | Type | Breed | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | Nos | Kgs | | |
| I | CATTLE | - | - | - | - | - |
| II | SHEEP & GOAT | - | - | - | - | - |
| III | POULTRY | - | - | - | - | - |
| IV | FISHERIES | - | - | - | - | - |
| V | OTHERS | - | - | - | - | - |
| | TOTAL | - | - | - | - | - |