# ANNUAL REPORT 2010-11

**(FOR THE PERIOD APRIL 2010 TO MARCH 2011)**

## KRISHI VIGYAN KENDRA, DAKSHINA KANNADA DISTRICT

UNIVERSITY OF AGRICULTURAL SCIENCES, BANGALORE

**KRISHI VIGYAN KENDRA (D.K)**

**P.B. No.515, Kankanady, Mangalore -575002**
**☎: 0824: 2431872**
e-mail: kvkdk@rediffmail.com

No. KVK (D.K.)/ Annual Report/2010 -11. Date: 25-04-2011

To,

The Director of Extension,
University of Agriculture Sciences,
Hebbal,
Bangalore – 560 0024.

Sir,

**Sub:** Submission of Annual Report for 2010-11 of Krishi Vigyan Kendra (D.K), Kankanady, Mangalore-reg.

**Ref:** 1. F. No. ARM 2010-11 / ZPD VIII/ 15th March 2011.
2. F.No. 27/ZPD-VIII/2011 Dt. 18-04-2011

***

With reference to the above subject, I am herewith submitting Annual Report for the period from April 2010 to March 2011 of Krishi Vigyan Kendra (D.K), Kankanady, Mangalore for your kind information and needful.

Thanking you,

Yours faithfully,

**Programme Coordinator**

# PART I - GENERAL INFORMATION ABOUT THE KVK

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

| KVK Address | Telephone | | E mail | Web Address |
|---|---|---|---|---|
| Krishi Vigyan Kendra (D.K), Kankanady, Mangalore-575002. | Office: 0824-2431872 | Fax: 0824-2430060 | kvkdk@rediffmail.com | - |

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

| Address | Telephone | | E mail | Web Address |
|---|---|---|---|---|
| | Office | Fax | | |
| Vice Chancellor University of Agricultural Sciences, G.K.V.K. Bangalore | 080-23332442 | 080-23330277 | vcuasbangalore_2007@rediffmail.com | www.uasbangalore.edu.in |

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

| Name | Telephone / Contact | | |
|---|---|---|---|
| | Residence | Mobile | Email |
| Dr. H. Hanumanthappa | 0824-2430716 | 9449866934 | hhanumanthappa@rediffmail.com |

**1.4. Year of sanction: 2004**

**1.5. Staff Position (as 31st March 2011)**

| Sl. No. | Sanctioned post | Name of the incumbent | Designation | M/F | Discipline | Highest Qualification (for PC, SMS and Prog. Asstt.) | Pay Scale | Basic pay | Date of joining KVK | Permanent /Temporary | Category (SC/ST/ OBC/ Others) |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Programme Coordinator | Dr. H. Hanumanthappa | Fisheries | M | Fisheries | Ph D | 37400-67000 | | 21-01-2006 | Permanent | SC |
| 2 | SMS | Dr. Jayashree S. | Home Science | F | Home Science | Ph D | 15600-39100 | | 02-03-2007 | Permanent | OBC |
| 3 | SMS | Dr. G. Nagesha | Agril. Extension | M | Agril. Extension | Ph D | 15600-39100 | | 10-03-2007 | Permanent | SC |
| 4 | SMS | Dr. Rajesh K.M. | Fisheries | M | Fisheries | Ph D | 15600-39100 | | 07-11-2008 | Permanent | General |
| 5 | SMS | Dr. Sharanabasappa | Agricultural Entomology | M | Agricultural Entomology | Ph D | 15600-39100 | | 30-07-2009 | Permanent | General |
| 6 | SMS | - | - | - | - | - | - | - | - | Vacant | - |
| 7 | SMS | - | - | - | - | - | - | - | - | Vacant | - |
| 8 | Programme Assistant( Lab Tech.)/T-4 | Mr. Harish Shenoy | - | M | - | M.sc. (Agri.) | 5500-9000 | 5500 | 11-11-2010 | Permanent | General |
| 9 | Programme Assistant (Computer)/ T-4 | Mr. Sathisha Naik K. | - | M | - | B.Com.(ADCST) | 5500-9000 | 5500 | 24-01-2011 | Permanent | ST |
| 10 | Programme Assistant/ Farm Manager | Mrs. Sujata Bhat | | F | - | M.Sc.(Agri.) | 9300 | - | 09-01-2011 | Work contract basis | General |
| 11 | Assistant | Mr. Dayanada G.N. | - | M | - | - | 8000 | - | - | Work contract basis | - |
| 12 | Jr. Stenographer | Mrs. Nalinakshi | - | F | - | MA (ADCA) | 7200 | - | 27-01-2011 | Work contract basis | OBC |
| 13 | Driver | Mr. Keshava | - | M | - | S.S.L.C | 5800 | - | 27-11-2010 | Work contract basis | II B |
| 14 | Driver | Mr. C. Santhosh | - | M | - | 9th | 7100 | - | 08-11-2010 | Work contract basis | - |
| 15 | Supporting staff | Ms. Chandrakala B.C. | - | F | - | P.U.C. | 4700 | - | 15-03-2011 | Work contract basis | OBC |
| 16 | Supporting staff | Mr. Vamana | - | M | - | 4th Std | 5200-8200 | 6125.00 | 23-11-2009 | Permanent | SC |

**1.6. Total land with KVK (in ha) : 9 ha.**

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | 2.0 |
| 2. | Under Demonstration Units | 0.11 |
| 3. | Under Crops | 6.89 |
| 4. | Orchard/Agro-forestry | - |
| 5. | Others | - |

**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.in lakhs) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | ICAR | 24-11-2007 | 550 | 42.25 | - | - | - |
| 2. | Farmers Hostel | ICAR | 24-11-2007 | 300 | 35.72 | - | - | - |
| 3. | Staff Quarters | ICAR | 24-11-2007 | 400 | 32.35 | - | - | - |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | | | | | | | |
| | 4 | | | | | | | |
| | 5 | | | | | | | |
| | 6 | | | | | | | |
| 4. | Demonstration Units | | | | | | | |
| | 1. Fisheries | ICAR | 20-02-2007 | 80 | 1.75 | - | - | - |
| | 2. Horticulture | ICAR | 12-05-2008 | 260 | 2.0 | - | - | - |
| | 3 | | | | | | | |
| | 4 | | | | | | | |
| 5 | Fencing | | | | | | | |
| 6 | Rain Water harvesting system | | | | | | | |
| 7 | Threshing floor | | | | | | | |
| 8 | Farm godown | | | | | | | |
| 9 | | | | | | | | |
| 10 | | | | | | | | |

**B) Vehicles**

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
|---|---|---|---|---|
| Bolero DI Jeep | 2004 | 5,00,000 | 175194 kms. | Good condition |
| M.F. Tractor 1035 | 2005 | 5,00,000 | 223.1 hrs. | Good condition |
| Hero Honda (Bike) | 2006 | 40,000 | 22549 kms. | Good condition |
| Aviator | 2009 | 50,000 | 7302 kms. | Good condition |

**C) Equipments & AV aids**

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|---|---|---|---|
| Sprayers | 2005 | 2,640.00 | Good |
| Power sprayer | 2008 | 4,800.00 | Good |
| Drum Seeder & Cona weeder | 2005 | 2,600.00 | Good |
| Paddy Planting Marker | 2005 | 1,350.00 | Good |
| Xerox Machine | 2006 | 75,000.00 | Good |
| Computer & Accessories | 2006-07 | 98,890.00 | Good |
| Weed cutter | 2008 | 13,000.00 | Good |
| Generator | 2011 | 99,955.00 | Good |
| EPBX | 2011 | 49,455.00 | Good |
| Power tiller | 2011 | 1,50,000.00 | Good |
| **AV aids** | | | |
| Digital Camera | 2006 | 20,000.00 | Good |
| Magnetic White Board | 2008 | 3,800.00 | Good |
| Desktop HP-Pavilion 6710in INTEL DUAL CORE | 2011 | 30,900.00 | Good |
| LAPTOP HP PAVILION DV6-3120TX | 2011 | 37500.00 | Good |
| UPS Frontech 800 Va. | 2011 | 3000.00 | Good |

**1.8. Details SAC meeting conducted in 2010-11: Nil**

| Sl.No. | Date | Number of Participants | No. of absentees | Salient Recommendations | Action taken |
|---|---|---|---|---|---|
| 1. | | | | | |
| 2. | | | | | |

## PART II - DETAILS OF DISTRICT

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

| S. No | Farming system/enterprise | | |
|---|---|---|---|
| 1. | Cereals | : | Paddy |
| | Pulses | : | Black gram, Green gram, Cowpea and Horse gram |
| | Oil Seeds | : | Sesamum |
| | Vegetables | : | Brinjal, Bhendi, Vegetable cowpea, Ash gourd, Basella, Amarpophilous, Sweet potato and cucumber |
| | Fruits | : | Banana, Pineapple, Jackfruit and Mango |
| | Plantation Crops | : | Arecanut, Coconut, Cashew, Pepper, Rubber, Vanilla and Cocoa |
| | Flower Crops | : | Jasmine |
| | Animal Husbandry | : | Dairy, Piggery, Poultry and Fisheries |

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

| S. No | Agro-climatic Zone | Characteristics |
|---|---|---|
| 1 | Coastal Zone, Zone 10 | Krishi Vigyan Kendra, Dakshina Kannada, Kankanady, Mangalore is situated in the Coastal Zone No-10 with an operational area of five Taluks viz., Mangalore, Bantwal, Belthangady, Puttur and Sullya. The total Geographical area of the district is 4866 sq. km. The district has 134246 ha of net cultivable area mainly dependent on rainfall. |

| S. No | Agro ecological situation | Characteristics |
|---|---|---|
| 1 | Coastal Zone, Zone 10 | The annual average rainfall is 3592.8 mm. This district receives rainfall between May and October with heavy rainfall during the month of June, July, and August. Recorded maximum temperature of 34$^{O}$C during the months of April and May and minimum temperature of 21.5$^{o}$ C during the month of January. The soil in the major portions of the district consists of three types, viz. coastal sand, alluvial, laterite and red loamy soil. Apart from this, coastal saline soil is also noticed in some parts of the district owing to the proximity to sea or backwater. Soils are low in CEC and acidic in condition. The PH of the soil ranges from 4.5 to 5.9 with content of low soluble salt. The major nutrient status of the soil is varying from medium to low. The major crops grown in the districts are Paddy, Arecanut, Coconut, Cashew, Rubber, Pepper, Cocoa and Banana. In some parts of the district, pulses like Black gram, Green gram, oilseeds like Sesamum and vegetables like cucumber, Bhendi, Chilli, Brinjal Bitter gourd, Ash gourd, Little gourd and Spinach are grown during Rabi/ Summer season. |

**2.3 Soil type/s**

| S. No | Soil type | Characteristics | Area in ha |
|---|---|---|---|
| 1. | Coastal sands, alluvial, Laterite and red loamy soil | Soils are low in CEC and acidic in condition. The $P^h$ of the soil ranges from 4.5 to 5.9 with low soluble salt content. The major nutrient status of the soils is varying from medium to low. | 1,72,445 |

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

| S. No | Crop | Area (ha) | Production (Metric tons) | Productivity (kg /ha) |
|---|---|---|---|---|
| 1. | Paddy | 54948 | 151501 | 2757 |
| 2. | Black gram | 1914 | 1172 | 612 |
| 3. | Green gram | 716 | 329 | 459 |
| 4. | Cowpea | 585 | 287 | 490 |
| 5. | Arecanut | 27532 | 4923 | 179 |
| 6. | Coconut | 16122 | 207 | 13 |
| 7. | Pepper | 2008.31 | 3600 | 1827 |
| 8. | Cashew | 30591 | 24419 | 798.24 |
| 9. | Cocoa | 901 | 34480 | 39406 |
| 10. | Vanilla | 232.86 | 8.87 | 38 |
| 11. | Mango | 1572 | 1323 | 841 |
| 12. | Sapota | 184 | 201 | 1095 |
| 13. | Banana | 3146 | 606282 | 193700 |
| 14. | Pine apple | - | - | - |
| 15. | Jack Fruit | 996 | 258960 | 260000 |
| 16. | Ginger | 313.95 | 359.34 | 1145 |
| 17. | Vegetables | 2983 | 302880 | 101535 |
| 18. | Jasmine | 66 | 153 | - |
| 19. | Rubber | 10302 | - | - |

* Source: Statistical Department, Dakshina Kannada (Year: April 2010-March 2011)

**2.5. Weather data** (Year: April 2010-March 2011)

| Month | Rainfall (mm) | Temperature $^0$ C | | Relative Humidity (%) |
|---|---|---|---|---|
| | | Maximum | Minimum | |
| April | 16.80 | 32.33 | 23.00 | 77.00 |
| May | 129.80 | 32.17 | 22.97 | 76.23 |
| June | 1074.81 | 30.32 | 22.32 | 85.41 |
| July | 1599.80 | 30.65 | 25.33 | 80.12 |
| August | 751.00 | 31.41 | 22.45 | 82.42 |
| September | 681.20 | 32.19 | 24.26 | 76.67 |
| October | 585.0 | 30.02 | 25.65 | 76.25 |
| November | 332.20 | 31.32 | 23.13 | 74.68 |
| December | 40.20 | 32.65 | 21.56 | 56.65 |
| January | - | 32.68 | 20.18 | 57.88 |
| February | - | 31.80 | 21.40 | 62.72 |
| March | - | 34.16 | 23.14 | 78.46 |

Source: HRS, Ullal, Mangalore

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

| Category | Population | Production | Productivity |
|---|---|---|---|
| **Cattle** | | | |
| *Crossbred* | 166771 | - | - |
| *Indigenous* | 229838 | - | - |
| **Buffalo** | 15119 | - | - |
| Sheep | | | |
| Crossbred | - | | |
| *Indigenous* | 307 | - | - |
| **Goats** | 25749 | - | - |
| **Pigs** | | | |
| *Crossbred* | 5332 | - | - |
| *Indigenous* | - | - | - |
| **Rabbits** | - | - | - |
| Poultry | 1322880 | | |
| Hens | - | - | - |
| *Desi* | - | - | - |
| *Improved* | - | - | - |
| Ducks | - | - | - |
| Turkey and others | - | - | - |

| Category | Area | Production | Productivity |
|---|---|---|---|
| Fish | - | - | - |
| *Marine* | - | 139573.00 Metric tons | - |
| *Inland* | - | - | - |
| Prawn | - | - | - |
| Scampi | - | - | - |
| Shrimp | - | 9578.0 Metric tons | - |

* Source: Statistical Department, Dakshina Kannada

**2.7** District profile has been prepared and submitted : No

2.8 Details of Operational area / Villages

| Sl.No. | Taluk | Name of the block | Name of the village | How long the village is covered under operational area of the KVK (specify the years) | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|---|---|---|---|---|
| 1. | Mangalore | - | Puttige | 2008-2010 | Paddy, Arecanut, Coconut, Pepper, Cashew, Banana, Vegetables, Jasmine | • Soil acidity<br>• Imbalanced nutrient application<br>• Non adoption of high yielding varieties | • Introduction of high yielding varieties<br>• Organic farming<br>• Integrated Nutrient Management Approaches<br>• Soil reclamation<br>• Integrated Pest & disease Management |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 2. | Bantwal | - | Meramajalu | 2009-2010 | Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine | • Imbalanced nutrient application<br>• Soil acidity<br>• Lack of knowledge on management of pest and diseases | • Integrated Nutrient Management Approaches<br>• Soil reclamation<br>• Integrated pest management approaches<br>• Employment generation activities<br>• Value addition |
| 3. | Puttur | - | Panaje | 2007-2010 | Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, Vanilla | • Soil acidity<br>• Imbalanced nutrient application<br>• Non adoption of high yielding varieties<br>• Untimely application of pesticides | • Soil reclamation<br>• Introduction of high yielding varieties<br>• Organic farming<br>• Integrated Nutrient Management Approaches<br>• Plant protection |
| 4. | Belthangady | - | Machhina | 2007-2010 | Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, Vanilla | • Imbalanced nutrient application<br>• Soil acidity<br>• Lack of knowledge on management of pest and diseases | • Introduction of high yielding varieties<br>• Organic farming<br>• Integrated Nutrient Management Approaches<br>• Soil reclamation<br>• Plant protection |

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| 5. | Sullya | - | Ajjavara | 2007-2010 | Paddy, Arecanut, Coconut, Pepper, Banana, Vegetables, Jasmine, Cashew, Cocoa, Rubber, Vanilla | • Imbalanced nutrient application<br>• Soil acidity<br>• Lack of knowledge on management of pest and diseases | • Integrated Nutrient Management Approaches<br>• Soil reclamation<br>• Integrated pest management approaches<br>• Employment generation activities<br>• Value addition |

2.9 **Priority thrust areas**

| S. No | Thrust area |
|---|---|
| 1. | Mechanization in Agriculture |
| 2. | Integrated nutrient management approaches |
| 3. | Integrated pest and disease management approaches |
| 4. | Soil reclamation |
| 5. | Introduction of high yielding Varieties |
| 6. | Rice based cropping system |
| 7. | Plant Protection |
| 8. | Weed Management |
| 9. | Value addition to Agriculture and Horticulture produce |
| 10. | Employment generation activities |
| 11. | Water management |
| 12. | Soil and water conservation |
| 13. | Fish culture in farm ponds / Clay pits |
| 14. | Organic farming |

## PART III - 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 |
| 7 | 7 | 63 | 63 | 18 | 18 | 152 | 152 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Training | | | | Extension Programmes | | | |
|---|---|---|---|---|---|---|---|
| 3 | | | | 4 | | | |
| Number of Courses | | Number of Participants | | Number of Programmes | | Number of participants | |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 56 | 56 | 1853 | 1853 | 551 | 551 | 3421 | 3421 |
| | | | | | | | |
| | | | | | | | |
| | | | | | | | |

| Seed Production (Qtl.) | | Planting materials (Nos.) | |
|---|---|---|---|
| 5 | | 6 | |
| Target | Achievement | Target | Achievement |
| 42.53 (Paddy) | 42.53 (Paddy) | 10500 Jasmine Plant | 10500 Jasmine Plant |
| | | | |
| | | | |
| | | | |

| Livestock, poultry strains and fingerlings (No.) | | Bio-products (Kg) | |
|---|---|---|---|
| 7 | | 8 | |
| Target | Achievement | Target | Achievement |
| - | Piglets-6 | 98 Kg. Trichoderma | 98 Kg. Trichoderma |
| - | Goat-4 | | |
| | | | |

**3.B1. Abstract of interventions undertaken based on thrust areas identified for the district as given in Sl.No.2.7**

| S. No | Thrust area | Crop/ Enterprise | Identified Problem | Interventions | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Title of OFT if any | Title of FLD if any | Number of Training (farmers) | Number of Training (Youths) | Number of Training (extension personnel) | Extension activities (No.) | Supply of seeds (Qtl.) | Supply of planting materials (No.) | Supply of livestock (No.) | Supply of bio products | |
| | | | | | | | | | | | | | No. | Kg. |
| 1 | • ICM in pulses & Oil seeds | • Sesamum<br>• Blackgram | •Lack of knowledge on use of residual moisture | - | • Production technology of sesamum<br>• Production technology of blackgram | 1 | - | - | - | Under Progress | | | | |
| 2 | • Nutrient Management<br>• Water Management<br>• IPM in paddy<br>• Seed Material | Paddy | •Loss of nutrient through leaching<br>•Lack of knowledge on storage methods<br>•Lack of knowledge on pest and disease management | • Split application of potassium in paddy | • INM in paddy through STCR approach<br>• SRI method of paddy cultivation<br>• Storage of Paddy for seed purpose using METAL BINS and LDPE/HDP E Bags.<br>• Integrated pest and disease management in paddy | 6 | - | - | Field Days-02<br>Seminar-01 | 55.75 | - | - | - | - |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3. | • Nutrient management<br>• Disease management<br>• Pest management<br>• Weed management | Arecanut | Poor nutrient management, Koleroga | • Split application of potassium in Arecanut<br>• Management of Inflorescence die back disease in Arecanut | • ICM in Arecanut<br>• Koleroga disease management in Arecanut<br>• Root grub management in Arecanut | - | - | - | - | - | - | - | - | - |
| 4. | • Nutrient management | Coconut | Lack of knowledge on nutrient management | - | • INM in coconut | - | - | - | - | - | - | - | - | - |
| 5. | • Poor crop management practices | Banana | Poor nutrient management practices. | - | • Integrated crop management in Banana | - | - | - | - | - | - | - | - | - |
| 6. | • Pest management | Cashew | Lack of knowledge on pest management | - | • Management of tea mosquito bug in cashew | - | - | - | - | - | - | - | - | - |
| 7. | • Disease management<br>• Post harvest loss | Pepper | •Lack of knowledge on disease management<br>•Lack of knowledge on post harvest processing of pepper | | • Management of quick wilt in pepper<br>• Processing of pepper using solarization technique | - | - | - | - | - | - | - | - | - |
| 8. | • Nutrient Management<br>• Pest & Disease Management | Jasmine | • Poor nutrient management & Pest & Disease Management | - | • Integrated crop management in Jasmine | 01 | - | - | - | - | - | - | - | - |
| 9. | • Poor Nutrient Management | Ridge gourd | • Poor nutrient management practices | • Potash Management in ridge gourd | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 10. | • Poor Nutrient Management | Ash gourd | • Low productivity | - | • Nutrient management in Ash gourd | - | - | - | - | - | - | - | - | - |
| 11. | • Poor Nutrient Management | Bitter gourd | • Poor nutrient management practices | • Potash Management in bitter gourd | - | - | - | - | - | - | - | - | - | - |
| 12. | • Pest & Disease Management | Bhendi | • Lack of knowledge on disease management | • Management of yellow vein mosaic in bhendi | - | - | - | - | - | - | - | - | - | - |
| 13. | • Culture of cat fish carps<br>• Utilization of highly productive clay pits for fish culture<br>• Poly culture of fish and fresh water prawn | Fisheries | • Catfish culture is not being practiced in Dakshina Kannada<br>• Clay pits are not being used for fish culture<br>• Lack of knowledge on polyculture of fish and prawn | • Polyculture of fish with different stocking densities | • Culture of cat fish Claries batracus with carps used Polyculture system .<br>• Utilization of clay pits for fish culture<br>• Polyculture of fish and prawn in farm ponds/irrigation tanks | 04 | - | - | - | - | - | - | - | - |
| 14. | Less acceptance of Giriraja due to high fat content in older birds | Poultry | Popularization of variety | - | • Rearing of Swaranadhara Poultry birds | 03 | - | - | Field day-02 | - | - | - | - | - |

**3.B2. Details of technology used during reporting period**

| S.No | Title of Technology | Source of technology | Crop/enterprise | No. of programmes conducted | | | |
|---|---|---|---|---|---|---|---|
| | | | | OFT | FLD | Training | Others (Specify) |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| 1 | Storage of Paddy for seed purpose using METAL BINS and LDPE/HDPE Bags. | UAS, Bangalore | Paddy | - | 5 | - | - |
| 2 | Integrated crop management in Jasmine | UAS, Bangalore | Jasmine | - | 25 | 4 | - |
| 3 | Processing of pepper using solarization technique | UAS, Dharwad | Pepper | - | 10 | - | - |
| 4 | Management of yellow vein mosaic in bhendi | UAS, Dharwad | Bhendi | 10 | - | - | - |
| 5 | Mannagement of inflorescence die back disease in Arecanut | CPCRI, Kasaragod | Arecanut | 10 | - | - | - |
| 6 | Integrated pest and disease management of paddy | UAS, Bangalore | Paddy | - | 10 | - | - |
| 7 | Koleroga disease management in arecanut | UAS, Bangalore | Arecanut | - | 06 | 2 | - |
| 8 | Root grub management in arecanut | UAS Bangalore | Arecanut | - | 05 | 1 | - |
| 9 | Management of quick wilt disease in pepper | UAS Bangalore | Pepper | - | 10 | 1 | - |
| 10 | Management of tea mosquito bug in cashew | UAS Bangalore | Cashew | - | 12 | 1 | - |
| 11 | Production technology of blackgram | UAS Bangalore | Blackgram | - | 10 | 1 | - |
| 12 | Production technology of sesame | UAS Bangalore | Sesame | - | 10 | - | - |
| 13 | Integrated crop management in Arecanut | UAS Bangalore | Arecanut | - | 05 | 2 | - |
| 14 | Integrated crop management in Banana | UAS Bangalore | Banana | - | 05 | 2 | - |
| 15 | Integrated Nutrient management in Coconut | UAS Bangalore | Coconut | - | 05 | - | - |
| 16 | Nutrient management in Ash gourd | UAS Bangalore | Ash gourd | - | 10 | - | - |
| 17 | Spilt application of potassium in Arecanut | UAS Bangalore | Arecanut | 20 | - | - | - |
| 18 | Potash management in Ridge gourd | UAS Bangalore | Ridge gourd | 05 | - | - | - |
| 19 | Potash management in bitter gourd | UAS Bangalore | Bitter gourd | 10 | - | - | - |
| 20 | Split application of potassium in paddy | UAS Bangalore | Paddy | 12 | - | 1 | - |
| 21 | SRI method of paddy cultivation | UAS Bangalore | Paddy | - | 12 | 1 | - |
| 22 | Polyculture of fish with different stocking densities | American soybean Association | Fisheries | 03 | - | 2 | - |
| 23 | Polyculture of fish and prawn | UAS Bangalore | Fisheries | - | 5 | 2 | - |
| 24 | Culture of cat fish, clarius batracus with carps under growout polyculture farming system | UAS Bangalore | Fisheries | - | 5 | - | - |
| 25 | Utilization of clay pits for fish culture | UAS Bangalore | Fisheries | - | 5 | - | - |
| 26 | INM in paddy through STCR approach | UAS Bangalore | Paddy | - | 12 | 1 | - |
| **27** | Rearing of Swarnadhara poultry birds in backyards | KVAFSU, Bidar | Poultry | - | 20 | 5 | Field days -2 |

**3.B2 contd..**

| No. of farmers covered | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| OFT | | | | FLD | | | | Training | | | | Others (Specify) | | | |
| General | | SC/ST | | General | | SC/ST | | General | | SC/ST | | General | | SC/ST | |
| M | F | M | F | M | F | M | F | M | F | M | F | M | F | M | F |
| *09* | *10* | *11* | *12* | *13* | *14* | *15* | *16* | *17* | *18* | *19* | *20* | *21* | *22* | *23* | *24* |
| - | - | - | - | 05 | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 13 | 12 | - | - | 31 | 112 | 05 | 29 | - | - | - | - |
| - | - | - | - | - | 10 | - | - | - | - | - | - | - | - | - | - |
| 06 | 01 | 03 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05 | 01 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 07 | 03 | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 07 | 01 | 02 | - | 59 | 8 | 9 | 8 | - | - | - | - |
| - | - | - | - | 04 | - | 04 | - | 20 | - | 7 | - | - | - | - | - |
| - | - | - | - | 05 | - | - | - | 3 | 28 | 9 | 2 | - | - | - | - |
| - | - | - | - | 05 | - | - | - | 46 | 12 | 11 | 6 | - | - | - | - |
| - | - | - | - | 10 | - | - | - | 37 | 08 | 4 | - | - | - | - | - |
| - | - | - | - | 10 | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 05 | - | - | - | 26 | 02 | 04 | 01 | - | - | - | - |
| - | - | - | - | 05 | - | - | - | 39 | 05 | 08 | 02 | - | - | - | - |
| - | - | - | - | 05 | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 09 | 01 | - | - | - | - | - | - | - | - | - | - |
| 17 | 03 | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 05 | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 03 | 01 | 01 | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 08 | - | 0 | 02 | - | - | - | - | 32 | 04 | 02 | 02 | - | - | - | - |
| - | - | - | - | 09 | - | 02 | 01 | 23 | 08 | 02 | 01 | - | - | - | - |
| 03 | - | - | - | - | - | - | - | 54 | 01 | 06 | - | - | - | - | - |
| - | - | - | - | 05 | - | - | - | 62 | 04 | 07 | 02 | - | - | - | - |
| - | - | - | - | 03 | - | 02 | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 05 | - | - | - | - | - | - | - | - | - | - | - |
| - | - | - | - | 08 | 0 | 04 | 0 | 20 | 09 | 02 | - | - | - | - | - |
| - | - | - | - | 12 | 04 | 02 | 02 | 189 | 27 | 14 | 06 | 40 | 15 | 04 | 04 |

## PART IV - On Farm Trial

### 4.A1. 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 |
|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Nutrient Management | - | - | - | - | 02 | - | - | 01 | - | 03 |
| Varietal Evaluation | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Integrated Disease Management | - | - | - | - | 01 | - | - | 01 | - | 02 |
| Small Scale Income Generation Enterprises | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technology | | | | | | | | | | |
| Farm Machineries | | | | | | | | | | |
| Integrated Farming System | | | | | | | | | | |
| Seed / Plant production | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Drudgery Reduction | | | | | | | | | | |
| Storage Technique | | | | | | | | | | |
| Mushroom cultivation | | | | | | | | | | |
| **Total** | **-** | **-** | **-** | **-** | **03** | **-** | **-** | **02** | **-** | **05** |

**4.A2. Abstract on the number of technologies refined in respect of crops :**

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Integrated Nutrient Management | 01 | - | - | - | - | - | - | - | - | 01 |
| Varietal Evaluation | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Small Scale Income Generation Enterprises | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technology | | | | | | | | | | |
| Farm Machineries | | | | | | | | | | |
| Integrated Farming System | | | | | | | | | | |
| Seed / Plant production | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Drudgery Reduction | | | | | | | | | | |
| Storage Technique | | | | | | | | | | |
| Mushroom cultivation | | | | | | | | | | |
| **Total** | **01** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **01** |

**4.A3. Abstract on the number of technologies assessed in respect of livestock enterprises:**

| Thematic areas | Cattle | Poultry | Piggery | Rabbitry | Fisheries | TOTAL |
|---|---|---|---|---|---|---|
| Evaluation of Breeds | | | | | | |
| Nutrition Management | | | | | | |
| Disease of Management | | | | | | |
| Value Addition | | | | | | |
| Production and Management | - | - | - | - | 01 | 01 |
| Feed and Fodder | | | | | | |
| Small Scale income generating enterprises | | | | | | |
| **TOTAL** | - | - | - | - | 01 | 01 |

**4.A4. Abstract on the number of technologies refined in respect of livestock enterprises: Nil**

| Thematic areas | Cattle | Poultry | Piggery | Rabbitry | Fisheries | TOTAL |
|---|---|---|---|---|---|---|
| Evaluation of Breeds | | | | | | |
| Nutrition Management | | | | | | |
| Disease of Management | | | | | | |
| Value Addition | | | | | | |
| Production and Management | | | | | | |
| Feed and Fodder | | | | | | |
| Small Scale income generating enterprises | | | | | | |
| **TOTAL** | | | | | | |

**4.B. Achievements on technologies Assessed and Refined**

**4.B.1. Technologies Assessed under various Crops**

| Thematic areas | Crop | Name of the technology assessed | No. of trials | Number of farmers | Area in ha |
|---|---|---|---|---|---|
| Integrated Nutrient Management | Arecanut | Split application of potassium in Arecanut | 10 | 10 | 2 ha. |
| | Ridge gourd | Potash management in Ridge gourd | 10 | 10 | 0.5 ha. |
| | Bitter gourd | Potash management in Bitter gourd | 10 | 10 | 0.5 ha. |
| Varietal Evaluation | | | | | |
| | | | | | |
| Integrated Pest Management | | | | | |
| | | | | | |
| Integrated Crop Management | | | | | |
| | | | | | |
| Integrated Disease Management | Arecanut | Management of inflorescence die back disease in Arecanut | 10 | 10 | 2.5ha |
| | Bhendi | Management of yellow vein mosaic in bhendi | 9 | 9 | 2 ha |
| Small Scale Income Generation Enterprises | | | | | |
| | | | | | |
| Weed Management | | | | | |
| | | | | | |
| Resource Conservation Technology | | | | | |
| | | | | | |
| Farm Machineries | | | | | |
| | | | | | |
| Integrated Farming System | | | | | |
| | | | | | |
| Seed / Plant production | | | | | |
| | | | | | |
| Value addition | | | | | |
| | | | | | |
| Drudgery Reduction | | | | | |
| | | | | | |
| Storage Technique | | | | | |
| | | | | | |
| Mushroom cultivation | | | | | |
| | | | | | |
| **Total** | | | **49** | **49** | **7.5 ha.** |

**4.B.2. Technologies Refined under various Crops :**

| Thematic areas | Crop | Name of the technology assessed | No. of trials | Number of farmers | Area in ha |
|---|---|---|---|---|---|
| Integrated Nutrient Management | Paddy | Split application of potassium in paddy | 10 | 10 | 06 |
| | | | | | |
| Varietal Evaluation | | | | | |
| | | | | | |
| Integrated Pest Management | | | | | |
| | | | | | |
| Integrated Crop Management | | | | | |
| | | | | | |
| Integrated Disease Management | | | | | |
| | | | | | |
| Small Scale Income Generation Enterprises | | | | | |
| | | | | | |
| Weed Management | | | | | |
| | | | | | |
| Resource Conservation Technology | | | | | |
| | | | | | |
| Farm Machineries | | | | | |
| | | | | | |
| Integrated Farming System | | | | | |
| | | | | | |
| Seed / Plant production | | | | | |
| | | | | | |
| Value addition | | | | | |
| | | | | | |
| Drudgery Reduction | | | | | |
| | | | | | |
| Storage Technique | | | | | |
| | | | | | |
| Mushroom cultivation | | | | | |
| | | | | | |
| **Total** | | | **10** | **10** | **06** |

**4.B.3. Technologies assessed under Livestock and other enterprises: Nil**

| Thematic areas | Name of the livestock enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| Evaluation of breeds | | | | |
| Nutrition management | | | | |
| Disease management | | | | |
| Value addition | | | | |
| Production and management | | | | |
| Feed and fodder | | | | |
| Small scale income generating enterprises | | | | |
| **Total** | | | | |

**4.B.4. Technologies Refined under Livestock and other enterprises : Nil**

| Thematic areas | Name of the livestock enterprise | Name of the technology assessed | No. of trials | No. of farmers |
|---|---|---|---|---|
| Evaluation of breeds | | | | |
| Nutrition management | | | | |
| Disease management | | | | |
| Value addition | | | | |
| Production and management | | | | |
| Feed and fodder | | | | |
| Small scale income generating enterprises | | | | |
| **Total** | | | | |

## 4. C1. Results of Technologies Assessed

### Results of On Farm Trial

### 1. Split application of potassium in Arecanut

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Arecanut | Rain fed / Protective irrigation | Leaching loss of potassium due to heavy rain fall affects the crop growth & yield | Split application of potassium in Arecanut | 20 | $T_1$= FYM 10 kg, Suphala 1.0 kg/plant<br>$T_2$=FYM 20kg NPK=150:60:210 grams/plant for improved varieties NPK-100:40:140 grams/plant for local varieties<br>$T_3$=NPK=120:40:160 gram plant(local variety) NPK= 170:60:230 gram/plant (improved variety) Potassium given in 3 doses April-May, June-july and September- October | Chali yield<br>B:C ratio | $T_1$=16.08<br>$T_2$=25.16<br>$T_3$=29.83 | 85.50% increase in yield over farmers practice | Spilt application of potassium resulted in higher yield and reduced in nut dropping | - | - |

**Contd..**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | Farmer's practice | 1.61 | t/ha | 83640 | 2.85 |
| Technology option 2 | UAS, Bangalore | 2.52 | t/ha | 156280 | 4.47 |
| Technology option 3 | UAS, Bangalore | 2.98 | t/ha | 193640 | 5.30 |

## 2. Potash Management in Bitter gourd

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Bitter gourd | Rain fed / Protective irrigation | Poor Nutrient management | Nutrient Management in Bitter gourd | 05 | $T_1$= FYM 1.5-2 t/ha, DAP 25 kg/ha as basal dose, urea 50 kg/ha as top dressing | • Weight of fruits | $T_1$=0.21<br>$T_2$=0.38<br>$T_3$=0.45 | 51.79% increase in yield over farmers practice | Application of potassium resulted in higher yield and fruit size | - | - |
| | | | | | $T_2$= FYM 18 t/ha., NPK 63:50:0 kg/ha. | • No. of fruits/plant | $T_1$=13.5<br>$T_2$=14.8<br>$T_3$=15.8 | | | | |
| | | | | | $T_3$= FYM 20 t/ha, NPK 70:25:25 kg/ha. in two splits | • Yield (t./ha.) | $T_1$=0.59<br>$T_2$=0.78<br>$T_3$=0.89 | | | | |

**Contd..**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | Farmer's practice | 0.59 | t/ha | 42750 | 1.95 |
| Technology option 2 | UAS, Bangalore | 0.78 | t/ha | 71400 | 2.58 |
| Technology option 3 | KAU | 0.89 | t/ha | 82200 | 2.96 |

### 3. Potash Management in Ridge gourd

| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Ridge gourd | Rain fed / Protective irrigation | Poor Nutrient management | Nutrient Management in Ridge gourd | 05 | $T_1$= Application of DAP 100 kg/ha at the time of sowing and 50 kg urea after 35 days | • Weight of fruits | $T_1$=0.58<br>$T_2$=0.71<br>$T_3$=0.72 | 57.07% increase in yield over farmers practice | Application of potassium resulted in higher yield and fruit size | - | - |
| | | | | | $T_2$= NPK 50:50:0 kg/ha in 2 splits + FYM 25 t/ha | • No. of fruits/plant | $T_1$=14.8<br>$T_2$=16.3<br>$T_3$=18.5 | | | | |
| | | | | | $T_3$= NPK: 75:25:25 kg/ha in 2 splits+FYM 25 t/ha. | • Yield (t./ha.) | $T_1$=0.64<br>$T_2$=0.82<br>$T_3$=1.01 | | | | |

**Contd..**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | Farmer's practice | 0.64 | t/ha | 32160 | 1.71 |
| Technology option 2 | UAS, Bangalore | 0.82 | t/ha | 53160 | 2.18 |
| Technology option 3 | KAU | 1.01 | t/ha | 76200 | 2.69 |

## 4. Management of inflorescence dieback disease in Arecanut

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Arecanut | Rain fed / Protective irrigation | Inflorescence die back is a major disease which causes 30-40% yield loss | Management of Inflorescence die back disease in Arecanut | 05 | $T_1$= No management has been followed<br>$T_2$= Spraying of Mancozeb 2.5 gm/ltr. at the time of opening of female flower<br>$T_3$= Sanitation and Spraying of Zineb 4 gm/ltr at the time of opening of female flower | No. of inflorescence infected/ pl<br>% disease incidence<br>Yield (qtl/ha) | $T_3$=0.6<br>$T_3$=26.00<br>$T_3$=24.40 | 38.52 percent increase in yield over farmers practice | Spraying of Zineb 4gm/l. reduces the disease incidence | - | - |

**Contd..**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | - | 1.50 | t/ha | 58160 | 2.98 |
| Technology option 2 | UAS, Bangalore | 2.18 | t/ha | 95490 | 3.92 |
| Technology option 3 | CPCRI, Kasaragod | 2.44 | t/ha | 115515 | 4.41 |

## 5. Management of yellow vein mosaic in Bhendi

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Bhendi | Rain fed / Protective irrigation | Yellow vein mosaic disease causes 20-30% yield loss | Management of yellow vein mosaic in bhendi | 05 | $T_1$= No management has been followed<br>$T_2$= Spraying of imidacloprid 17.80SL @ 0.5 ml per lit<br>$T_3$= Sanitation and seed treatment with imidacloprid 5 ml per kg, Spraying of imidacloprid 17.80SL @ 0.5 ml per lit | % disease incidence<br>Yield(qtl/ha) | $T_3$=12.00<br>$T_3$=42.00 | 27.27% increase in yield over farmers practice | Resulted in increased in yield | - | - |

**Contd…**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | - | 3.30 | t/ha | 99000 | 4.95 |
| Technology option 2 | UAS, Bangalore | 3.85 | t/ha | 115500 | 5.02 |
| Technology option 3 | UAS, Dharwad | 4.20 | t/ha | 126000 | 5.40 |

**6. Polyculture of fish with different stocking densities**

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology Assessed | Parameters of assessment | Data on the parameter | Results of assessment | Feedback from the farmer | Any refinement needed | Justification for refinement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 |
| Fisheries | Rainfed/ Protective irrigation | Production of fish without taking in to account of consumer preference and fish growth | Polyculture of fish with different stocking densities | 3 | $T_1$= Stocking of one/ two species of fish | Yield and B.C. Ratio | Under Progress | | | - | - |
| | | | | | $T_2$= Stocking recommended species (catla:Rohu:Common carp 4:3:3) Stocking 5000/ha. | | | | | | |
| | | | | | $T_3$=Stocking of catla, Rohu and Silvar carp @ 4:4:2 stocking-7500/ha | | | | | | |

**Contd..**

| Technology Assessed | Source of Technology | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|
| 13 | 14 | 15 | 16 | 17 | 18 |
| Technology option 1 (Farmer's practice) | Farmer practice | Under progress | t/ha | - | - |
| Technology option 2 | POP (UASB) | | t/ha | - | - |
| Technology option 3 | American soybean Association | | t/ha | - | - |

**4.C2. Details of each On Farm Trial for assessment to be furnished in the following format separately as per the following details**

**01. Split application of potassium in Arecanut**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Split application of potassium in Arecanut** |
| **2.** | Problem Definition | Leaching loss of potassium due to high rainfall. Hence deficiency of potassium was observed in Arecanut gardens. Majority of the farmers are applying fertilizer without knowing nutrient supply capacity of soil and nutrient requirement of crop thus results in imbalanced nutrient application which causes early nut drop that results in lower yield. |
| **3.** | Details of technologies selected for assessment | $T_1$= FYM 10 kg, Suphala 1.0 kg/plant<br>$T_2$=FYM 20kg NPK=150:60:210 grams/plant for improved varieties NPK-100:40:140 grams/plant for local varieties<br>$T_3$=NPK=120:40:160 gram/ plant(local variety) NPK= 170:60:230 gram/plant (improved variety) Potassium given in 3 doses April-May, June-july and September- October |
| **4.** | Source of technology | $T_1$= Farmer's practice, $T_2$= POP $T_3$=UAS Bangalore |
| **5.** | Production system and thematic area | Rainfed /irrigated : Nutrient management |
| **6.** | Performance of the Technology with performance indicator | 85.50% increase in yield over farmers practice |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Spilt application of potassium resulted in higher yield and reduced in nut dropping |
| **8.** | Final recommendation for micro level situation | Spilt application of potassium in three doses |
| **9.** | Constraints identified and feedback for research | - |
| **10.** | Process of farmers participation and their reaction | Farmers appreciated the technology and desired to adopt the same |

**2. Potash Management in bittergourd**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Potash Management in bittergourd** |
| **2.** | Problem Definition | Improper and imbalanced nutrition management |
| **3.** | Details of technologies selected for assessment | $T_1$= FYM 1.5-2 t/ha, DAP 25 kg/ha as basal dose, urea 50 kg/ha as top dressing<br>$T_2$= FYM 18 t/ha.,NPK 63:50:0 kg/ha.<br>$T_3$= FYM 20 t/ha, NPK 70:25:25 kg/ha. in two splits |
| **4.** | Source of technology | $T_{1=}$ Farmer's practice, $T_2$=UAS, Bangalore, $T_3$= KAU |
| **5.** | Production system and thematic area | Management of potash |
| **6.** | Performance of the Technology with performance indicator | 51.79% increase in yield over farmers practice |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Application of potassium resulted in higher yield and fruit size |
| **8.** | Final recommendation for micro level situation | Application of potassium @ 25 kg./ha. in two splits along with N & P |
| **9.** | Constraints identified and feedback for research | - |
| **10.** | Process of farmers participation and their reaction | Farmers appreciated the technology and desired to adopt the same |

**03. Potash Management in Ridge gourd**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Potash Management in Ridge gourd** |
| **2.** | Problem Definition | Low yield, Improper / Imbalanced nutrition management & lack of knowledge on use of potassium and about the advantages of potash management in Ridge gourd |
| **3.** | Details of technologies selected for assessment | $T_1$= Application of DAP 100 kg/ha at the time of sowing and 50 kg urea after 35 days<br>$T_2$= NPK 50:50:0 kg/ha in 2 splits + FYM 25 t/ha<br>$T_3$= NPK: 75:25:25 kg/ha in 2 splits+FYM 25 t/ha. |
| **4.** | Source of technology | $T_{1=}$ Farmer's practice, $T_2$=UAS, Bangalore, $T_3$= KAU |
| **5.** | Production system and thematic area | Irrigated (Paddy fallows) |
| **6.** | Performance of the Technology with performance indicator | 57.07% increase in yield over farmers practice |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Application of potassium resulted in higher yield and fruit size |
| **8.** | Final recommendation for micro level situation | Application of potassium in ridge gourd |
| **9.** | Constraints identified and feedback for research | - |
| **10.** | Process of farmers participation and their reaction | Farmers appreciated the technology and desired to adopt the same |

**04. Management of inflorescence dieback in Arecanut**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Management of inflorescence die back in Arecanut** |
| **2.** | Problem Definition | Inflorescence die back is a major disease causes 30-40% yield loss |
| **3.** | Details of technologies selected for assessment | $T_1$= No management has been followed<br>$T_2$= Spraying of Mancozeb 2.5 gm/ltr. at the time of opening of female flower<br>$T_3$= Sanitation and Spraying of Zineb 4 gm/ltr at the time of opening of female flower |
| **4.** | Source of technology | $T_1$=Farmers practice, $T_2$=UAS, Bangalore, $T_3$=CPCRI, Kasaragod |
| **5.** | Production system and thematic area | Rain fed / Protective irrigation |
| **6.** | Performance of the Technology with performance indicator | Recorded 38.52% increase in yield over farmers practice |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Timely spraying of Zineb 4gm/l. reduces the disease incidence |
| **8.** | Final recommendation for micro level situation | Spraying of Zineb 4gm/l. |
| **9.** | Constraints identified and feedback for research | Spraying is the main Constraints |
| **10.** | Process of farmers participation and their reaction | Farmers appreciated the technology and desired to adopt the same |

**05. Management of yellow vein mosaic in Bhendi**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Management of yellow vein mosaic in bhendi** |
| **2.** | Problem Definition | Yellow vein mosaic disease causes 20-30% yield loss |
| **3.** | Details of technologies selected for assessment | $T_1$= No management has been followed<br>$T_2$= Spraying of imidacloprid 17.80SL @ 0.5 ml per lit<br>$T_3$= Sanitation, seed treatment with imidacloprid 5 ml per kg,Spraying of imidacloprid 17.80SL @ 0.5 ml per lit |
| **4.** | Source of technology | $T_1$=Farmers practice, $T_2$=UAS, Bangalore, $T_3$=UAS, Dharwad |
| **5.** | Production system and thematic area | Rainfed, Disease Management |
| **6.** | Performance of the Technology with performance indicator | Recorded 27.27 increase in yield over farmers practice |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Recorded a yield of 42.20 q/ha. |
| **8.** | Final recommendation for micro level situation | Sanitation, seed treatment with imidacloprid 5 ml per kg,Spraying of imidacloprid 17.8SL @ 0.5 ml per lit |
| **9.** | Constraints identified and feedback for research | - |
| **10.** | Process of farmers participation and their reaction | Farmers appreciated the technology and desired to adopt the same |

**06. Polyculture of fish with different stocking densities**

| | | |
|---|---|---|
| **1.** | Title of Technology Assessed | **Polyculture of fish with different stocking densities** |
| **2.** | Problem Definition | Production of fish without taking in to account of consumer preference and fish growth |
| **3.** | Details of technologies selected for assessment | $T_1$= Stocking of one/ two species of fish<br>$T_2$= Stocking of recommended species (catla:Rohu:Common carp 4:3:3) Stocking 5000/ha.<br>$T_3$=Stocking of catla, Rohu and Silver carp @ 4:4:2 stocking-7500/ha |
| **4.** | Source of technology | $T_1$= Farmer practice, $T_2$= POP (UASB) , $T_3$=American soybean Association |
| **5.** | Production system and thematic area | Rainfed/Protective irrigation: Selection of fish species for stocking and their stocking ratio |
| **6.** | Performance of the Technology with performance indicator | Under Progress |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | - |
| **8.** | Final recommendation for micro level situation | - |
| **9.** | Constraints identified and feedback for research | - |
| **10.** | Process of farmers participation and their reaction | - |

**4. D1. Results of Technologies Refined**

**Results of On Farm Trial**

| Crop/ enterprise | Farming situation | **Problem definition** | Title of OFT | No. of trials | Technology refined | Parameters of refined t | Data on the parameter | Results of refinement | Feedback from the farmer | Details of refinement done |
|---|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 |
| Paddy | Rainfed | Lack of knowledge on Nutrient manageme nt | Spilt application of potassium in paddy | 10 | Application of potassium in 3 doses in paddy | Grain /Panicle | $T_1$=140<br>$T_2$=148<br>$T_3$=156 | $T_1$=3.65<br>$T_2$=4.00<br>$T_3$=4.20 | • Heavy rain during harvesting period reduced yield in both check and trails plots<br>• Less chaffy grains were observed | Three doses of potassium application result to better than two doses in paddy |

**Contd..**

| Justification for refinement | Technology Refined | Source of Technology for Technology Option1 / Justification for modification of assessed Technology Option 1 | Production | Please give the unit (kg/ha, t/ha, lit/animal, nuts/palm, nuts/palm/year) | Net Return (Profit) in Rs. / unit | BC Ratio |
|---|---|---|---|---|---|---|
| 12 | 13 | | 14 | 15 | 16 | 17 |
| Average annual rainfall of 3800 mm leaches out nutrients from the soil and thereby affects crop growth and yield | Technology Option 1 (best performing Technology Option in assessment) | $T_{1=}$ Farmers practice | 3.65 | 36.50 t/ha, | 10200.00 | 1.36 |
| | Technology Option 2 (Modification over Technology Option 1) | $T_{2=}$UAS, Bangalore | 4.00 | 40.0 t/ha, | 12580.00 | 1.48 |
| | Technology Option 3 (Another Modification over Technology Option 1) | $T_{3=}$ Modification over Technology Option 2 | 4.20 | 42.00 t/ha, | 15200.00 | 1.60 |

**4.D.2. Details of each On Farm Trial for refinement to be furnished in the following format separately as per the proforma below**

## 1. Spilt application of Potassium in paddy

| | | |
|---|---|---|
| **1.** | Title of Technology refined | **Spilt application of Potassium in paddy** |
| **2.** | Problem Definition | Lack of knowledge on Nutrient management |
| **3.** | Details of technologies selected for refinement | $T_1$= FYM: 2.0 t/ha. 125-150 kg complex fertilizer/ha.<br>$T_2$= FYM: 5.0 t/ha.N:P:K:: 60:30:45kg/ha (Potassium given in 2 doses – 50% as basal dose and 50% as top dressing after one month along with nitrogen)<br>$T_3$ = FYM: 5.0 t/ha. N:P:K:: 60:30:45 kg/ha (Potassium given in 3 doses – 50% as basal dose and 25% top dressing after one month and remaining during panicle initiation stage) |
| **4.** | Source of technology | UAS, Bangalore |
| **5.** | Production system and thematic area | Rainfed, Integrated Nutrient Management |
| **6.** | Performance of the Technology with performance indicator | Grains/panicle |
| **7.** | Feedback, matrix scoring of various technology parameters done through farmer's participation / other scoring techniques | Farmers felt that the proportion of chaffyness of grains in $T_3$ is less than $T_1$ and $T_2$ |
| **8.** | Final recommendation for micro level situation | Application of Potassium in 3 doses can be recommended for micro level situation |
| **9.** | Constraints identified and feedback for research | Heavy rain during grain filling stage & harvesting stage reduce crop yield. Hence Flood resistant varieties need to be developed. |
| **10.** | Process of farmers participation and their reaction | Farmers participated in training programme, field visit & communicated through the telephone calls. |

# PART V - FRONTLINE DEMONSTRATIONS

**5.A. Summary of FLDs implemented during 2010-11**

| Sl. No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) | | No. of farmers/ demonstration | | | Reasons for shortfall in achievement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Proposed | Actual | SC/ST | Others | Total | |
| | Oilseeds | Rainfed / irrigated | Summer 2010-11 | Sesamum | Naville-I | | Production technology | Integrated cropping | 5.20 | 5.20 | 3 | 10 | 13 | - |
| | | | | | | | | | | | | | | |
| | Pulses | Rainfed/ irrigated | Summer 2010-11 | Blackgram | TAU-1 | | Production technology | Integrated cropping | 2.00 | 2.00 | 4 | 6 | 10 | - |
| | | | | | | | | | | | | | | |
| | Cereals Paddy | Rainfed | Rabi 2010-11 | Paddy | Jaya | | Pest and disease management | Pest and disease management in paddy | 4 ha | 4 ha | 2 | 8 | 10 | - |
| | | Rainfed | Kharief 2010 | Paddy | MO-4 | - | INM in paddy | INM in paddy through STCR approach | 6 ha. | 6 ha. | 4 | 8 | 12 | - |
| | | Rainfed | Summer 2010 | Paddy | MO-4 | - | Effective residual moisture utilization | SRI method of paddy cultivation | 4 ha. | 4 ha. | 3 | 9 | 12 | - |
| | | Rainfed / irrigated | Summer 2010-11 | Paddy | MO-4 | - | Storage Technique | Storage of Paddy for seed purpose using METAL BINS | - | - | - | 5 | 5 | - |
| | Millets | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Vegetables | Protective irrigation | Rabi 2010-11 | Ash guard | Local | - | Nutrient management | Nutrient management in Ashgourd | 2 ha. | 2 ha. | - | 10 | 10 | - |
| | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Flowers | Protective irrigation | Rabi 2010-11 | Jasmine | Udupi malege | - | Nutrient management & pest & Disease Management | Integrated crop management in Jasmine | 0.5 ha. | 0.5 ha. | - | 25 | 25 | - |
| | | | | | | | | | | | | | | |
| | Ornamental | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Fruit | Protective irrigation | Kharief 2010-11 | Banana | G-9 | | Crop management | ICM in banana | 1 ha. | 1 ha | - | 5 | 5 | - |
| | | | | | | | | | | | | | | |
| | Spices and condiments | - | Summer 2010-11 | Pepper | Panniyur | - | Post harvest processing | Processing of pepper using solarization technique | - | - | - | 10 | 10 | - |
| | | | | | | | | | | | | | | |
| | Commercial | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Medicinal and aromatic | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Fodder | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Plantation | Rainfed/protective irrigation | Kharif/Rabi-2010-11 | Arecanut | Sumangala/ Mangala | - | Disease management | Koleroga management in Arecanut | 2.5 | 2.5 | 00 | 6 | 6 | - |
| | | Rainfed/protective irrigation | Kharif/Rabi-2010-11 | Arecanut | Sumangala/ Mangala | - | Pest management | Root grub management in Arecanut | 2.8 | 2.8 | 01 | 6 | 7 | - |
| | | Rainfed with protective irrigation | Kharif – 2010-11 | Pepper | Penniyur | - | Disease management | Quick wilt management in pepper | 200 vines | 200 vines | 01 | 9 | 10 | - |
| | | Rainfed with protective irrigation | Kharif/Rabi-2010-11 | Cashew | Ullal-1 | - | Insect management | Integrated crop management in Cashew | 4 | 4.0 | 00 | 10 | 10 | - |
| | | Rainfed with protective irrigation | Kharif/Rabi-2010-11 | Arecanut | Sumangala | - | Nutrient management | Integrated crop management in Arecanut | 2 | 2.0 | 00 | 05 | 05 | - |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Rainfed with protective irrigation | Kharif/Rabi-2010-11 | Cocanut | WCT | - | Nutrient management | INM in cocanut | 2.5 | 2.5 | 0 | 10 | 10 | - |
| | Fibre | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Dairy | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Poultry | Backyard | Rabhi-2010-11 | Poultry | Swarnadhara | - | Varietal popularization | Rearing of Swarnadhara poultry birds | 20 | 20 | 06 | 14 | 20 | - |
| | | | | | | | | | | | | | | |
| | Rabbitry | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Pigerry | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Sheep and goat | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Duckery | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Common carps | Rainfed | Kharif-2010-11 | Fish | Catla, Rohu & fresh water prawn | - | Polyculture of fish and prawn | Polyculture of fish and prawn | 0.5 | 0.5 | - | 05 | 05 | - |
| | | Rainfed | Kharif-2010-11 | Fish | Catla, Rohu, Silver carp, common carps & cat fish | - | Polyculture of carps & Cat fish | Culture of cat fish with carps under polyculture farming system | 0.5 | 0.5 | - | 05 | 05 | - |
| | | Rainfed | Kharif-2010-11 | Fish | Catla, Rohu & common carp | - | Utilization of clay pits | Utilization of clay pits for fish culture | 2.5 | 2.5 | 02 | 03 | 05 | - |
| | Mussels | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Ornamental fishes | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Oyster mushroom | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Button mushroom | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Vermicompost | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Sericulture | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Apiculture | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Implements | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | Others (specify) | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

**5.A. 1. Soil fertility status of FLDs plots during 2010-11**

| Sl. No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Season and year | Status of soil | | | Previous crop grown |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | N | P | K | |
| | | | | | | | | | | | | | |
| | Oilseeds | Rainfed / irrigated | Summer 2010-11 | Sesamum | Naville-I | - | Production technology | Integrated cropping | Summer 2010-11 | M | M | L | Paddy |
| | | | | | | | | | | | | | |
| | Pulses | Rainfed/ irrigated | Summer 2010-11 | Blackgram | TAU-1 | - | Production technology | Integrated cropping | Summer 2010-11 | M | M | L | Paddy |
| | | | | | | | | | | | | | |
| | Cereals | | | | | | | | | | | | |
| | Paddy | Rainfed | Kharif-2010 | Paddy | MO-4 | - | INM in paddy | INM in paddy through STCR | Kharif 2010 | M | M | L | Paddy |
| | | Rainfed | Summer 2010 | Paddy | MO-4 | - | Effective moisture utilization | SRI method of paddy cultivation | Summer 2010 | M | M | L | Paddy |
| | Millets | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Vegetables | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Flowers | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Ornamental | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Fruit | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Spices and condiments | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Commercial | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Medicinal and aromatic | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Fodder | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Plantation | | | | | | | | | | | | |
| | | | | | | | | | | | | | |
| | Fibre | | | | | | | | | | | | |

## 5.B. Results of Frontline Demonstrations

### 5.B.1. Crops

| Crop | Name of the technology demonstrated | Variety | Hybrid | Farming situation | No. of Demo. | Area (ha) | Yield (q/ha) | | | | % Increase | *Economics of demonstration (Rs./ha) | | | | *Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Demo | | | Check | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | | | H | L | A | | | | | | | | | | |
| Oilseeds (Sessamum | Integrated cropping | Navile-I | | Rainfed | 13 | 5.20 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| Pulses (Blackgram) | Integrated cropping | TAU-1 | | Rainfed | 10 | 2.00 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| Cereals | | | | | | | | | | | | | | | | | | | |
| Paddy | Pest and disease management in paddy | Mo -4/ Jaya | | Rainfed / Irrigation | 10 | 4.00 | 40.00 | 34.00 | 38.5 | 28 | 27.27 | 16000 | 38500 | 22500 | 2.40 | 14000 | 28000 | 14000 | 2.00 |
| | INM in paddy through STCR approach | MO-4 | - | Rainfed | 12 | 6.00 | 42.00 | 30.00 | 37.20 | 27.50 | 35.27 | 21600 | 37200 | 15200 | 1.72 | 21600 | 27500 | 5900 | 1.27 |
| | SRI Method of paddy cultivation | MO-4 | - | Rainfed | 12 | 4.00 | 47.80 | 36.00 | 42.80 | 32.46 | 31.85 | 21600 | 42800 | 21200 | 1.98 | 21600 | 32460 | 10860 | 1.50 |
| | Storage of paddy for seed purpose using metal bins and ldpe/hdpe bags | Result Under progress | | | | | | | | | | | | | | | | | |
| Millets | | | | | | | | | | | | | | | | | | | |
| Vegetables | Nutrient Management in Ash gourd | Ashgourd | Local | Protective irrigation | 10 | 4.00 | 250.50 | 180.43 | 237.90 | 184.20 | 29.15 | 45000 | 285480 | 240480 | 6.34 | 42000 | 221040 | 179040 | 5.26 |
| Flowers | | | | | | | | | | | | | | | | | | | |
| Jasmine | ICM in Jasmine | Udupi Mallige | - | Rainfed Irrigation | 25 | 0.5 ha. | 600 hatti /5cents | 550 hatti /5cents | 575 hatti /5cents | 400 hatti /5cents | 30.43 | 40000 | 175000 | 135000 | 4.40 | 40000 | 100000 | 60000 | 2.5 |
| Ornamental | | | | | | | | | | | | | | | | | | | |
| Fruit | ICM in banana | G-9 | - | Protective irrigation | 5 | 1.0 | 401.0 | 356.23 | 371.90 | 258.0 | 41.44 | 53000 | 223140 | 169640 | 4.21 | 46500 | 154800 | 108300 | 3.32 |
| Spices and condiments | Processing of pepper using solarization technique | Result Under progress | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Quick wilt management | Panniyur 1 | - | Rainfed / protective irrigation | 10 | 200 vines | 1.82 kg /pt | 1.25 kg /pt | 1.82 kg /pt | 1.21 kg /pt | 50.41 | 12500 | 76440 | 63940 | 6.10 | 11000 | 50820 | 39820 | 4.62 |
| Commercial | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Medicinal and aromatic | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Fodder | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Plantation | ICM in Arecanut | Sumangala | - | Rainfed / protective irrigation | 5 | 0.5 | 26.60 | 20.89 | 23.40 | 17.4 | 34.48 | 40000 | 187200 | 147200 | 4.68 | 37000 | 139200 | 102200 | 3.76 |
| | ICM in coconut | WCT | - | Rainfed / protective irrigation | 5 | 2.5 | 18720 Nos./ha. | 17900 Nos./ha. | 18224 Nos./ha. | 13144 Nos./ha. | 38.64 | 35000 Nos. | 109344 Nos. | 74344 Nos. | 3.12 | 30000 | 78864 | 48864 | 2.62 |
| Arecanut | Koleroga management in areca nut | Sumangala/ mangala | | Rainfed / protective irrigation | 6 | 2.5 | 32.0 | 24.0 | 27.66 | 20.0 | 38.30 | 40000 | 221280 | 181280 | 5.53 | 46000 | 160000 | 114000 | 3.47 |
| | Root grub management | Sumangala/ mangala | | Rainfed / protective irrigation | 7 | 2.8 | 14 | 8.0 | 9.80 | 6.14 | 59.60 | 35000 | 78400 | 43400 | 2.24 | 30000 | 49120 | 19120 | 1.63 |
| Cashew | Tea mosquito bug management | Ullal 1 | | Rainfed / protective irrigation | 10 | 4.00 | 10.50 | 7.00 | 8.90 | 4.80 | 46.06 | 19500 | 71200 | 51700 | 3.65 | 14500 | 38400 | 23900 | 2.60 |
| Fibre | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

H – Highest Yield, L – Lowest Yield A – Average Yield

**Data on additional parameters other than yield (viz., reduction of percentage in weed/pest/ diseases etc.)**

| Data on other parameters in relation to technology demonstrated | | |
|---|---|---|
| **Parameter with unit** | **Demo** | **Check** |
| | | |
| | | |
| | | |
| | | |

## 5.B.2. Livestock and related enterprises

| Type of livestock | Name of the technology demonstrated | Breed | No. of Demo | No. of Units | Yield (q/ha) | | | | % Increase | *Economics of demonstration Rs./unit) | | | | *Economics of check (Rs./unit) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check if any | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | H | L | A | | | | | | | | | | |
| Dairy | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Poultry | Rearing of swarnadhara poultry birds | Swarnadhara | 20 | - | 3.8 | 1.8 | 2.95 | 0.9 | 277.7 | Rs. 90/bird | Rs. 290/bird | Rs. 200/bird | 3.22 | Rs. 40/bird | Rs. 110/bird | Rs. 70/bird | 2.75 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Rabbitry | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Pigerry | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Sheep and goat | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Duckery | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

**Data on additional parameters other than yield (viz., reduction of percentage diseases, increase in conceiving rate, inter-calving period etc.)**

| Data on other parameters in relation to technology demonstrated | | |
|---|---|---|
| **Parameter with unit** | **Demo** | **Check if any** |
| | | |
| | | |
| | | |
| | | |

## 5.B.3. Fisheries

| Type of Breed | Name of the technology demonstrated | Breed | No. of Demo | Units/ Area ($m^2$) | Yield (q/ha) | | | | % Increase | *Economics of demonstration Rs./unit) or (Rs./m2) | | | | *Economics of check Rs./unit) or (Rs./m2) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check if any | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | H | L | A | | | | | | | | | | |
| Common carps | Utilization of clay pits for fish culture | Catla, Rohu & Common carp | 05 | 5000 | 4.9 | 3.45 | 3.95 | - | - | 9500 | 22000 | 12500 | 2.32 | Fish culture was dame for the first time in clay pits | | | |
| | Polyculure of fish & prawn | Catla, Rohu & fresh water prawn | 05 | 1000 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| Mussels | Culture of cat fish with carps under polyculture farming system | Catla, Rohu, Silver carp, common carps & cat fish | 05 | 1000 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Ornamental fishes | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

**Data on additional parameters other than yield (viz., reduction of percentage diseases, effective use of land etc.)**

| Data on other parameters in relation to technology demonstrated | | |
|---|---|---|
| **Parameter with unit** | **Demo** | **Check if any** |
| | | |
| | | |
| | | |
| | | |

## 5.B.4. Other enterprises: Nil

| Enterprise | Name of the technology demonstrated | Variety/ species | No. of Demo | Units/ Area {$m^2$} | Yield (q/ha) | | | | % Increase | *Economics of demonstration (Rs./unit) or (Rs./m2) | | | | *Economics of check (Rs./unit) or (Rs./m2) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check if any | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | H | L | A | | | | | | | | | | |
| Oyster mushroom | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Button mushroom | | | | | | | | | | | | | | | | | |
| Vermicompost | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Apiculture | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST
H-High L-Low, A-Average

**Data on additional parameters other than yield (viz., additional income realized, employment generation, quantum of farm resources recycled etc.) : Nil**

| Data on other parameters in relation to technology demonstrated | | |
|---|---|---|
| **Parameter with unit** | **Demo** | **Local** |
| | | |
| | | |
| | | |

## 5.B.5. Farm implements and machinery: Nil

| Name of the implement | Cost of the implement in Rs. | Name of the technology demonstrated | No. of Demo | Area covered under demo in ha | Labour requirement in Mandays | | % save | Savings in labour (Rs./ha) | *Economics of demonstration (Rs./ha) | | | | *Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | Check | | | Gross cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

**Data on additional parameters other than labour saved (viz., reduction in drudgery, time etc.) : Nil**

| Data on other parameters in relation to technology demonstrated | | |
|---|---|---|
| **Parameter with unit** | **Demo** | **Local** |
| | | |
| | | |
| | | |

## 5.B.6. Cotton: Nil

### 5.B.6.1.Summary of demonstrations conducted under FLD cotton : Nil

| Sl. No. | Category | Technology Demonstrated | Variety | Hybrid | Season and year | Area (ha) | | No. of farmers/ demonstration | | | Reasons for shortfall in achievement |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Proposed | Actual | SC/ST | Others | Total | |
| | Production Technology | | | | | | | | | | |
| | IPM | | | | | | | | | | |
| | Farm Implements | | | | | | | | | | |

### 5.B.6.2 Production technology demonstrations: Nil

### Performance of demonstrations : Nil

| Farming situation | Technology Demonstrated | Area (ha) | No.of demo. | Variety | Hybrid | Yield (q/ha) | | % Increase | Economics of demonstration (Rs./ha) | | | | Economics of local check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demo | Local | | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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**Performance of Bt hybrids, Desi hybrids, non-Bt hybrids and Varieties in Front Line Demonstrations in cotton during 2010-11: Nil**

| Category | Farming situation | Technology Demonstrated | Area (ha) | No.of demo. | Variety | Hybrid | Yield (q/ha) | | % Increase | Economics of demonstration (Rs./ha) | | | | Economics of local check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Demo | Local | | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
| Bt hybrids | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Desi hybrids (AXA) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| HXB Hybrids | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| HXH Hybrids | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Herbacium Varieties | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Hirsutum Varieties | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Arboreum Varieties | | | | | | | | | | | | | | | | | |

**5.B.6.3 Integrated pest management demonstrations : Nil**

| Farming situation | Variety | Hybrid | No. of blocks | Total No. of Demo. | Area (ha) | Incidence of pest and diseases (%) | | | Seed Cotton Yield (q/ha) | | | Economics of demonstration (Rs./ha) | | | | Economics of local check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | IPM | Non IPM | % Change | IPM | Non IPM | % Change | Gross Cost | Gross Return | Net Return | BCR | Gross Cost | Gross Return | Net Return | BCR |
| | | | | | | | | | | | | | | | | | | | |
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5.B.6.4 Demonstrations on farm implements **: Nil**

| Name of the implement | Area (Ha) | No. of Demo. | Name of the technology demonstrated | Labour requirement for operation (Rs./ha) | | |
|---|---|---|---|---|---|---|
| | | | | Demo | Local check | % change |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **Total** | | | | | | |

5.B.6.5 Extension Programmes organized in Cotton Demonstration Plots **: Nil**

| Extension activity | No. of Programmes | Participants | | | SC/ST | | |
|---|---|---|---|---|---|---|---|
| | | Male | Female | Total | Male | Female | Total |
| Consultancy | | | | | | | |
| Conventions | | | | | | | |
| Demonstrations | | | | | | | |
| Diagnostic surveys | | | | | | | |
| Exhibition | | | | | | | |
| Farmer study tours | | | | | | | |
| Farmers Field school | | | | | | | |
| Field Days | | | | | | | |
| Field visits | | | | | | | |
| Gram sabha | | | | | | | |
| Group discussions | | | | | | | |
| Kisan Gosthi | | | | | | | |
| Kisan Mela | | | | | | | |
| Training for Extension Functionaries | | | | | | | |
| Training for farmers | | | | | | | |
| Viedo show | | | | | | | |
| Newspaper coverage | | | | | | | |
| Popular articles | | | | | | | |
| Publication | | | | | | | |
| Radio talks | | | | | | | |
| T.V. Programme | | | | | | | |
| Others (Pl.specify) | | | | | | | |
| **TOTAL** | | | | | | | |

5.B.6.6 Technical Feedback on the demonstrated technologies on all crops / enterprise **:**

| S. No | Crop / Enterprise | Name of the technology demonstrated | Feed Back |
|---|---|---|---|
| 1. | Paddy | SRI-Method of Paddy cultivation | Under SRI method of paddy cultivation grain and straw yield are better than the traditional method. Recorded higher number of tillers in SRI method which resulted in higher yield with water savings than the normal method of paddy cultivation. |
| 2. | Paddy | Integrated Crop Management in Paddy | Adoption of ICM practices gave higher yield over traditional method. In long run ICM practice will help to maintain the soil health and sustain the yield. |
| 3. | Arecanut | Integrated root grub management in Arecanut | Timely application of Imidacloprid 0.5ml/lit. during May-June and during September reduced root grub incidence and increase the vigour of the plant |
| 4. | Arecanut | Koleroga management in Arecanut | Scientific way of preparation and spraying of 1% Bordeaux mixture before 1$^{st}$ rain and at the interval of 15-20 days reduces disease incidence. |
| 5. | Fisheries | Utilization of clay pits for fish culture | Clay pits can be effectively utilized for fish culture if they are properly shaped and managed |
| 6. | Poultry | Rearing of swarnadhar poultry birds in backyards | Rearing of swarnadhara poultry birds gives 3-4 time higher growth and income compare to native poultry birds |
| 7 | Jasmine | ICM in jasmine | Adoption of ICM practices increases the jasmine yield |

5.B.6.7 Farmers' reactions on specific technologies **:**

| S. No | Crop / Enterprise | Name of the technology demonstrated | Feed Back |
|---|---|---|---|
| 1. | Sesamum | Production technology | Farmers felt that the new variety Navile-1 and scientific cultivation practices has increased the yield of Sesamum over the local variety and traditional methods. Farmers agreed to adopt the variety and cultivation practices and disseminate the same to the neighbouring farmers. |
| 2. | Black gram | Production technology | Farmers felt the scientific cultivation of black gram can increase the yield over traditional method. Further the farmer willing to continue the scientific cultivation practices in black gram in future. |
| 3. | Green gram | Production technology | Farmers felt the scientific cultivation of green gram can increase the yield over traditional method. Further the farmer willing to continue the scientific cultivation practices in green gram in future. |
| 4. | Paddy | SRI-Method of Paddy cultivation | Farmers felt that the yield in SRI-method of paddy cultivation is better over traditional practice. Due to prolonged flowering stage, ripened seeds fell down before harvesting. Experienced labour and weed management is major problem in this method, which can be overcome by use of conoweeder. The farmers are willing to adopt it and agree to disseminate the same to the neighbouring farmers. |
| 5. | Paddy | Integrated Crop Management in Paddy | Farmers felt the ICM technology in paddy cultivation has helped to increase the grain and straw yield. Farmers wish to continue the same technology in future and disseminate it to the neighbouring farmers. |
| 6. | Arecanut | Integrated root grub management in Arecanut | Farmers opined that timely application reduced root grub incidence and plant may regain the vigour and yield. |
| 7. | Arecanut | Koleroga management in Arecanut | Farmers felt that 1% Bordeaux mixture is the cheapest and effective chemical for controlling Koleroga disease. Scientific way of preparation and taking care in spraying will enhances the effectiveness of chemical. |
| 8. | Fisheries | Utilization of clay pits for fish culture | Farmers felt that proper management in utilizing clay pits generates more income compare to normal ponds |
| 9. | Poultry | Rearing of swarnadhar poultry birds in backyards | Farmers opined that rearing of swarnadhara poultry birds is useful in giving higher meat and eggs compare to native poultry birds |
| 10. | Jasmine | ICM Jasmine | Farmers opined that INM Practices followed plot yielded flower throughout the year and quantity also increased compared to traditional method |

**5.B.6.8 Extension and Training activities under FLD**

| Sl.No. | Activity | No. of activities organised | Number of participants | Remarks |
|---|---|---|---|---|
| 1 | Field days | 02 | 84 | - |
| 2 | Farmers Training | 26 | 1018 | - |
| 3 | Media coverage | 60 | - | - |
| 4 | Training for extension functionaries | - | - | - |

## PART VI – DEMONSTRATIONS ON CROP HYBRIDS : Nil

**Demonstration details on crop hybrids**

| Type of Breed | Name of the technology demonstrated | Name of the hybrid | No. of Demo | Area (ha) | Yield (q/ha) | | | | % Increase | *Economics of demonstration (Rs./ha) | | | | *Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demo | | | Check | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | H | L | A | | | | | | | | | | |
| **Cereals** | | | | | | | | | | | | | | | | | |
| Bajra | | | | | | | | | | | | | | | | | |
| Maize | | | | | | | | | | | | | | | | | |
| Paddy | | | | | | | | | | | | | | | | | |
| Sorghum | | | | | | | | | | | | | | | | | |
| Wheat | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | |
| **Oilseeds** | | | | | | | | | | | | | | | | | |
| Castor | | | | | | | | | | | | | | | | | |
| Mustard | | | | | | | | | | | | | | | | | |
| Safflower | | | | | | | | | | | | | | | | | |
| Sesame | | | | | | | | | | | | | | | | | |
| Sunflower | | | | | | | | | | | | | | | | | |
| Groundnut | | | | | | | | | | | | | | | | | |
| Soybean | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | |
| **Pulses** | | | | | | | | | | | | | | | | | |
| Greengram | | | | | | | | | | | | | | | | | |
| Blackgram | | | | | | | | | | | | | | | | | |
| Bengalgram | | | | | | | | | | | | | | | | | |
| Redgram | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | |
| **Vegetable crops** | | | | | | | | | | | | | | | | | |
| Bottle gourd | | | | | | | | | | | | | | | | | |
| Capsicum | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | |
| Cucumber | | | | | | | | | | | | | | | | | |
| Tomato | | | | | | | | | | | | | | | | | |
| Brinjal | | | | | | | | | | | | | | | | | |
| Okra | | | | | | | | | | | | | | | | | |
| Onion | | | | | | | | | | | | | | | | | |
| Potato | | | | | | | | | | | | | | | | | |
| Field bean | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | |
| **Commercial crops** | | | | | | | | | | | | | | | | | |
| Sugarcane | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Coconut | | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | | |
| Fodder crops | | | | | | | | | | | | | | | | | | |
| Maize (Fodder) | | | | | | | | | | | | | | | | | | |
| Sorghum (Fodder) | | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | | | |

H-High L-Low, A-Average

*Please ensure that the name of the hybrid is correct pertaining to the crop specified

## PART VII. TRAINING

### 7.A.. Farmers' Training including sponsored training programmes (On campus)

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/Irrigation | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | 2 | 9 | 42 | 51 | - | - | - | 9 | 42 | 51 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high volume crop | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | 1 | 29 | 2 | 31 | 4 | 1 | 5 | 33 | 3 | 36 |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | 01 | 40 | 03 | 43 | 07 | 01 | 08 | 47 | 04 | 51 |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Animal Disease Management | | | | | | | | | | |
| Feed and Fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | 2 | 1 | 55 | 56 | - | 4 | 4 | 1 | 59 | 60 |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery production | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | |
| Integrated fish farming | 01 | 42 | 03 | 45 | 05 | - | 05 | 47 | 03 | 50 |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Composite fish culture | 01 | 21 | 01 | 22 | 04 | - | 04 | 25 | 01 | 26 |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | |
| Breeding and culture of ornamental fishes | 04 | 118 | 09 | 127 | 06 | 04 | 10 | 124 | 13 | 137 |
| Portable plastic carp hatchery | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Mushroom production | | | | | | | | | | |
| Apiculture | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (Pl. specify) | | | | | | | | | | |
| **TOTAL** | **12** | **260** | **115** | **375** | **26** | **10** | **36** | **286** | **125** | **411** |

**7.B.. Farmers' Training including sponsored training programmes (Off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/Irrigation | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | 2 | 43 | 17 | 60 | 4 | 1 | 5 | 47 | 18 | 65 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | 1 | 32 | 4 | 36 | 2 | 2 | 4 | 34 | 06 | 40 |
| Production of organic inputs | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high volume crop | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | | | | | | | | | | |
| Others (pl.specify) Nutrient Management | 1 | 17 | 13 | 30 | 4 | 5 | 9 | 30 | 18 | 39 |
| **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 | | | | | | | | | | |
| Others (pl.specify) Banana: Integrated crop management in banana | 2 | 39 | 05 | 44 | 08 | 02 | 10 | 47 | 07 | 54 |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl.specify) Jasmine cultivation | 2 | 26 | 48 | 74 | 5 | 17 | 22 | 31 | 65 | 96 |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | 3 | 89 | 11 | 100 | 09 | 07 | 16 | 98 | 18 | 116 |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) Production technology of Jasmine | 1 | - | 32 | 32 | - | 18 | 18 | - | 50 | 50 |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | 1 | 18 | 40 | 58 | 2 | 2 | 4 | 20 | 42 | 62 |
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | 4 | 136 | 25 | 161 | 20 | 4 | 24 | 156 | 29 | 185 |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Animal Disease Management | | | | | | | | | | |
| Feed and Fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | 8 | 3 | 265 | 268 | - | 28 | 28 | 3 | 293 | 296 |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery production | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | | | | | | | | | | |
| Others (pl.specify) Use of ICT in Agriculture marketing (Sponsored) | 1 | 16 | - | 16 | 3 | - | 3 | 19 | - | 19 |
| **Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Carp fry and fingerling rearing | | | | | | | | | | |
| Composite fish culture | 03 | 77 | 07 | 84 | 11 | 02 | 13 | 88 | 09 | 97 |
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Mushroom production | | | | | | | | | | |
| Apiculture | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Capacity Building and Group Dynamics** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (Pl. specify) | | | | | | | | | | |
| **TOTAL** | **29** | **496** | **467** | **963** | **68** | **88** | **156** | **564** | **555** | **1119** |

**7.C. Training for Rural Youths including sponsored training programmes (on campus) : Nil**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**7.D. Training for Rural Youths including sponsored training programmes (off campus) : Nil**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**7.E. Training programmes for Extension Personnel including sponsored training programmes (on campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other (pl.specify)- Value addition | 1 | - | 29 | 29 | - | 3 | 3 | - | 32 | 32 |
| Any other (pl.specify)- Extension methodologies for transfer of technologies | 1 | 30 | - | 30 | - | - | - | 30 | - | 30 |
| **Total** | 2 | 30 | 29 | 59 | - | 3 | 3 | 30 | 32 | 62 |

**7.F. Training programmes for Extension Personnel including sponsored training programmes (off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other : Value addition | 1 | - | 29 | 29 | - | 5 | 5 | - | 34 | 34 |
| **Total** | 1 | - | 29 | 29 | - | 5 | 5 | - | 34 | 34 |

## 7.G. Sponsored training programmes

| S.No. | Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | General | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **1** | **Crop production and management** | | | | | | | | | | |
| 1.a. | Increasing production and productivity of crops | | | | | | | | | | |
| 1.b. | Commercial production of vegetables | | | | | | | | | | |
| **2** | **Production and value addition** | | | | | | | | | | |
| 2.a. | Fruit Plants | | | | | | | | | | |
| 2.b. | Ornamental plants | | | | | | | | | | |
| 2.c. | Spices crops | | | | | | | | | | |
| **3.** | **Soil health and fertility management** | | | | | | | | | | |
| **4** | **Production of Inputs at site** | | | | | | | | | | |
| **5** | **Methods of protective cultivation** | | | | | | | | | | |
| **6** | **Others (pl.specify)** | | | | | | | | | | |
| **7** | **Post harvest technology and value addition** | | | | | | | | | | |
| 7.a. | Processing and value addition(sponsored by DCCD, Cochin) | **7** | **-** | **175** | **175** | **-** | **-** | **-** | **-** | **175** | **175** |
| 7.b. | Others : RKVY | **2** | **1** | **93** | **94** | **-** | **11** | **11** | **1** | **104** | **105** |
| **8** | **Farm machinery** | | | | | | | | | | |
| 8.a. | Farm machinery, tools and implements | | | | | | | | | | |
| 8.b. | Others (pl.specify) | | | | | | | | | | |
| **9.** | **Livestock and fisheries** | | | | | | | | | | |
| **10** | **Livestock production and management** | | | | | | | | | | |
| 10.a. | Animal Nutrition Management | | | | | | | | | | |
| 10.b. | Animal Disease Management | | | | | | | | | | |
| 10.c | Fisheries Nutrition | | | | | | | | | | |
| 10.d | Fisheries Management | | | | | | | | | | |
| 10.e. | Others : Ornamental fish breeding and rearing (Sponsored by MPEDA) | **2** | **40** | **3** | **43** | **6** | **1** | **7** | **46** | **4** | **50** |
| **11.** | **Home Science** | | | | | | | | | | |
| 11.a. | Household nutritional security | | | | | | | | | | |
| 11.b. | Economic empowerment of women | | | | | | | | | | |
| 11.c. | Drudgery reduction of women | | | | | | | | | | |
| 11.d. | Others (pl.specify) | | | | | | | | | | |
| **12** | **Agricultural Extension** | | | | | | | | | | |
| 12.a. | Capacity Building and Group Dynamics | | | | | | | | | | |
| 12.b. | Others: Scaling up of water productivity in agriculture | **1** | **42** | **5** | **47** | **1** | **2** | **3** | **43** | **7** | **50** |
| | **Total** | **12** | **83** | **276** | **359** | **7** | **14** | **21** | **90** | **290** | **380** |

**Details of sponsoring agencies involved**

**1.** DCCD, Kochi, Kerala

2. RKVY, UAS, Bangalore

**3.**MPEDA, Mangalore

4. Technology centre for Water resources, Bhuvaneshwar

**7.H. Details of vocational training programmes carried out by KVKs for rural youth : Nil**

| S.No. | Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | General | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **1** | **Crop production and management** | | | | | | | | | | |
| 1.a. | Commercial floriculture | | | | | | | | | | |
| 1.b. | Commercial fruit production | | | | | | | | | | |
| 1.c. | Commercial vegetable production | | | | | | | | | | |
| 1.d. | Integrated crop management | | | | | | | | | | |
| 1.e. | Organic farming | | | | | | | | | | |
| 1.f. | Others (pl.specify) | | | | | | | | | | |
| **2** | **Post harvest technology and value addition** | | | | | | | | | | |
| 2.a. | Value addition | | | | | | | | | | |
| 2.b. | Others (pl.specify) | | | | | | | | | | |
| **3.** | **Livestock and fisheries** | | | | | | | | | | |
| 3.a. | Dairy farming | | | | | | | | | | |
| 3.b. | Composite fish culture | | | | | | | | | | |
| 3.c. | Sheep and goat rearing | | | | | | | | | | |
| 3.d. | Piggery | | | | | | | | | | |
| 3.e. | Poultry farming | | | | | | | | | | |
| 3.f. | Others (pl.specify) | | | | | | | | | | |
| **4.** | **Income generation activities** | | | | | | | | | | |
| 4.a. | Vermi-composting | | | | | | | | | | |
| 4.b. | Production of bio-agents, bio-pesticides, bio-fertilizers etc. | | | | | | | | | | |
| 4.c. | Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| 4.d. | Rural Crafts | | | | | | | | | | |
| 4.e. | Seed production | | | | | | | | | | |
| 4.f. | Sericulture | | | | | | | | | | |
| 4.g. | Mushroom cultivation | | | | | | | | | | |
| 4.h. | Nursery, grafting etc. | | | | | | | | | | |
| 4.i. | Tailoring, stitching, embroidery, dying etc. | | | | | | | | | | |
| 4.j. | Agril. para-workers, para-vet training | | | | | | | | | | |
| 4.k. | Others (pl.specify) | | | | | | | | | | |
| **5** | **Agricultural Extension** | | | | | | | | | | |
| 5.a. | Capacity building and group dynamics | | | | | | | | | | |
| 5.b. | Others (pl.specify) | | | | | | | | | | |
| | **Grand Total** | | | | | | | | | | |

## PART VIII – EXTENSION ACTIVITIES

**Extension Programmes (including activities of FLD programmes)**

| Nature of Extension Programme | No. of Programmes | No. of Participants (General) | | | No. of Participants SC / ST | | | No.of extension personnel | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Field Day | 2 | 51 | 12 | 63 | 18 | 3 | 21 | - | - | - |
| Kisan Mela | 1 | | | | | | | - | - | - |
| Kisan Ghosthi | - | - | - | - | - | - | - | - | - | - |
| Exhibition | 2 | 1450 | 550 | 2000 | - | - | - | - | - | - |
| Film Show | 4 | - | - | - | - | - | - | - | - | - |
| Method Demonstrations | 18 | 4 | 378 | 382 | - | 40 | 40 | - | 66 | 66 |
| Farmers Seminar | 2 | 62 | 52 | 114 | 2 | 1 | 3 | - | - | - |
| Workshop | - | - | - | - | - | - | - | - | - | - |
| Group meetings | - | - | - | - | - | - | - | - | - | - |
| Lectures delivered as resource persons | 10 | 16 | - | 16 | 3 | - | 3 | - | - | - |
| Newspaper coverage | 34 | - | - | - | - | - | - | - | - | - |
| Radio talks | 4 | - | - | - | - | - | - | - | - | - |
| TV talks | - | - | - | - | - | - | - | - | - | - |
| Popular articles | 14 | - | - | - | - | - | - | - | - | - |
| Extension Literature | 3 | | | | | | | | | |
| Advisory Services(Telephone calls) | 370 | 236 | 67 | 303 | - | - | - | 48 | 19 | 37 |
| Scientific visit to farmers field | 147 | 136 | 11 | 147 | - | - | - | - | - | - |
| Farmers visit to KVK | 28 | 480 | 44 | 524 | - | - | - | - | - | - |
| Diagnostic visits | 3 | | | | | | | | | |
| Exposure visits | - | - | - | - | - | - | - | - | - | - |
| Ex-trainees Sammelan | - | - | - | - | - | - | - | - | - | - |
| 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) | - | - | - | - | - | - | - | - | - | - |
| World food day | 01 | - | 29 | 29 | - | 3 | 3 | - | 32 | 32 |
| Nutrition week | 01 | 1 | 40 | 41 | - | 3 | 3 | 1 | 43 | 44 |
| Any Other (Specify) | - | - | - | - | - | - | - | - | - | - |
| **Total** | 644 | 2436 | 1183 | 3619 | 23 | 50 | 73 | 49 | 160 | 179 |

## PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIALS

**9.A. Production of seeds by the KVKs**

| Crop category | Name of the crop | Variety | Hybrid | Quantity of seed (qtl) | Value (Rs) | Number of farmers to whom provided |
|---|---|---|---|---|---|---|
| Cereals (crop wise) | Paddy- Seed | MO4 | - | 28.25 | 70620.00 | 12 |
| | Paddy Bulk | MO4 | - | 14.28 | 14280.00 | - |
| Oilseeds | | | | | | |
| Pulses | | | | | | |
| Commercial crops | | | | | | |
| Vegetables | | | | | | |
| Flower crops | | | | | | |
| Spices | | | | | | |
| Fodder crop seeds | | | | | | |
| Fiber crops | | | | | | |
| Forest Species | | | | | | |
| Others (specify) | | | | | | |
| **Total** | - | - | - | 28.25 | 84900.00 | 12 |

**9.B. Production of planting materials by the KVKs**

| Crop category | Name of the crop | Variety | Hybrid | Number | Value (Rs.) | Number of farmers to whom provided |
|---|---|---|---|---|---|---|
| Commercial | Jasmine | Udupi mallige | - | 10500 | 179325.00 | Supplied to Dept. of Horticulture D.K. Mangalore |
| Vegetable seedlings | | | | | | |
| Fruits | | | | | | |
| Ornamental plants | | | | | | |
| Medicinal and Aromatic | | | | | | |
| Plantation | | | | | | |
| Spices | | | | | | |
| Tuber | | | | | | |
| Fodder crop saplings | | | | | | |
| Forest Species | | | | | | |
| Others(specify) | | | | | | |
| | | | | | | |
| **Total** | - | - | - | 10500 | 179325.00 | |

**9.C. Production of Bio-Products**

| Bio Products | Name of the bio-product | Quantity Kg | Value (Rs.) | Number of farmers to whom provided |
|---|---|---|---|---|
| Bio Fertilizers | - | | | |
| Bio-pesticide | - | | | |
| Bio-fungicide | Trichoderma | 47 kg. | 4700.00 | 26 |
| Bio Agents | - | | | |
| Others (specify) | - | | | |
| **Total** | - | 47 kg. | 4700.00 | 26 |

**9.D. Production of livestock materials**

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | Number of farmers to whom provided |
|---|---|---|---|---|
| **Dairy animals** | | | | |
| Cows | | | | |
| Buffaloes | | | | |
| Calves | | | | |
| Others : Goat kids | Cross bread | 3 | 3600.00 | 2 |
| **Poultry** | | | | |
| Broilers | | | | |
| Layers | | | | |
| Duals (broiler and layer) | | | | |
| Japanese Quail | | | | |
| Turkey | | | | |
| Emu | | | | |
| Ducks | | | | |
| Others (Pl. specify) | | | | |
| **Piggery** | | | | |
| Piglet | Yorkshire | 6 | 14000.00 | 3 |
| Others (Pl.specify) | | | | |
| **Fisheries** | | | | |
| Fingerlings | | | | |
| Others (Pl. specify) | | | | |
| **Total** | | **9** | **17600.00** | **5** |

## PART X – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

**10. A. 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 | Farmers Field School-A Successful Approach for Reaching Farmers. | Nagesh G. | 1 |
| Technical reports | | | |
| News letters | | | |
| Technical bulletins | Jack fruit cultivation and preparation of value added products | Jayashree S. | 1 |
| Popular articles | Poushtika aahaara – motte | Jayashree S. | 1 |
| | Balasidare bahumukhi halasu-aarogya hulusu. | Jayashree S. | 1 |
| | Krishiyinda varshavidi aadaaya padeda maadari raita | Nagesh G. | 1 |
| | Swarnadhaara koli saakaanikeya raitara kshetra paatha shaale: yashogaathe. | Nagesh G. | 1 |
| | Dehakke atyagatya neeru | Jayashree S. | 1 |
| | Baalalu baale | Jayashree S. | 1 |
| | Adike beruhulada hatothi hege? | Sharana basappa | 1 |
| | Masale rajanige kuttu tantu katte | Sharana basappa | 1 |
| | Kalumenasu beleyalli soragu rogada nirvahane | Sharana basappa | 1 |
| | Adike beruhulu haavalige parihara | Sharana basappa | 1 |
| | Krishiyalli vamshavahini vargayitha belegala pramukyathe | Raviraj Shetty G. | 1 |
| | Sihineeru sigadi krishi hagu meenu mattu sigadi mishra palane | Rajesh K.M. | 1 |
| | Ave mannina kolagalalli meenu krishi | Rajesh K.M. | 1 |
| | Swarnadhara koli sakane, grameena raithara ashakirana | Rajesh K.M. | 1 |
| | Shresta taliya bijadinda utkrusta bele.2010. Krushi munnade. | Sujata Bhat, | 1 |
| | Krishiyalli vamshavahi vargayita belegala pramukhyate. Krushi munnade. | Sujata Bhat, | 1 |
| Extension literature | | | |
| Training manual | Krishiyalli neerina utpadakate hecchisuva taantrikatgalu. | H.Hanumanthappa | 1 |
| | Aquarium nirmana, nirvahane hagu Alankarika meenu mari utpadane mathu palane | Rajesh K.M. | 1 |
| | Swarnadhara Koli Sakanike | Nagesh | 20 |
| | Thotagarika belegala samagra besaya kramagalu | Raviraj Shetty G. | 1 |
| Others (Pl. specify) | | | |
| **TOTAL** | **22** | | |

**10.B. Details of Electronic Media Produced: Nil**

| S. No. | Type of media (CD / VCD / DVD/ Audio-Cassette) | Title of the programme | Number |
|---|---|---|---|
| | | | |

**10.C. 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). : Nil**

The Broad outline for the case study may be

Title

Background

Interventions
- Process
- Technology

Impact
- Horizontal Spread
- Economic gains
- Employment Generation

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

FFS programme on Swarnadhara poultry birds rearing for SHG women

**10.E. 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**

| S. No. | Crop / Enterprise | ITK Practiced | Purpose of ITK |
|---|---|---|---|
| | | | |

**10.F. Indicate the specific training need analysis tools/methodology followed for : Nil**

- Identification of courses for farmers/farm women
- Rural Youth
- Inservice personnel

## 10.G. Field activities

i. Number of villages adopted : 11 Villages covering 5 taluks
ii. No. of farm families selected : -
iii. No. of survey/PRA conducted : Group discussion with contact

## 10.H. Activities of Soil and Water Testing Laboratory:

Status of establishment of Lab : Under Progress

1. Year of establishment : 2011
2. List of equipments purchased with amount :

| Sl. No | Name of the Equipment | Qty. | Cost |
|---|---|---|---|
| 1 | Single Quartz distillation unit 2.5 liter with water softner & automatic cutoff | 1 | 54877.00 |
| 2 | Flame photometer | 1 | 43817.00 |
| 3 | P.H. Meter | 1 | 19530.00 |
| 4 | Digital Conductivity | 1 | 20844.00 |
| 5 | Visible Spectrophotometer | 1 | 50340.00 |
| 6 | Hot Air oven | 1 | 17933.00 |
| 7 | L.G.350 Fraist free Refrigerator | 1 | 23490.00 |
| 8. | Rotary shaker | 1 | 22473.00 |
| 9. | Ultra centrifuge machine | 1 | 55170.00 |
| 10. | Hot plate rectangular | 1 | 7264.00 |
| 11. | Electronic Balance | 1 | 53913.00 |
| 12. | Fume Exhaust hood | 1 | 60155.00 |
| Total | | | **429806.00** |

**Details of samples analyzed so far since establishment of SWTL: Nil**

| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
|---|---|---|---|---|
| **Soil Samples** | | | | |
| **Water Samples** | | | | |
| **Plant samples** | | | | |
| **Manure samples** | | | | |
| **Others (specify)** | | | | |
| **Total** | | | | |

**Details of samples analyzed during the 2010-11 : Nil**

| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
|---|---|---|---|---|
| **Soil Samples** | | | | |
| **Water Samples** | | | | |
| **Plant samples** | | | | |
| **Manure samples** | | | | |
| **Others (specify)** | | | | |
| **Total** | | | | |

## 10.I. Technology Week celebration

Period of observing Technology Week: From 01-02-2011 to 05-02-2011
Total number of farmers visited : 197
Total number of agencies involved : 6
Number of demonstrations visited by the farmers within KVK campus : 6

Other Details

| Types of Activities | No. of Activities | Number of Farmers | Related crop/livestock technology |
|---|---|---|---|
| Gosthies | | | |
| Lectures organized | 13 | 197 | INM in Horticulture crops, Cashew varieties and production technologies, Jasmine cultivation, Pest and disease management in Arecanut and Importance of bio fungicides in Horticulture crops, Pest & disease management in Jasmine & vegetable crops, Vermi compost production technologies, Demonstration on mixed fruits jam preparation, Demonstration on preparation on value added products from Pineapple, Paddy varieties for coastal zone and its characteristic Chapeneji method of nursery preparation of paddy, Facilities available in agriculture Dept. |
| Exhibition | | | |
| Film show | | | |
| Fair | | | |
| Farm Visit | | | |
| Diagnostic Practicals | | | |
| Supply of Literature (No.) | | | |
| Supply of Seed (q) | | | |
| Supply of Planting materials (No.) | | | |
| Bio Product supply (Kg) | | | |
| Bio Fertilizers (q) | | | |
| Supply of fingerlings | | | |
| Supply of Livestock specimen (No.) | | | |
| Total number of farmers visited the technology week | 13 | 197 | |

## 10. J. Interventions on drought mitigation (if the KVK included in this special programme) : Nil

A. Introduction of alternate crops/varieties Nil

| State | Crops/cultivars | Area (ha) | Number of beneficiaries |
|---|---|---|---|
| | | | |
| | | | |
| | | | |
| | | | |

B. Major area coverage under alternate crops/varieties: Nil

| Crops | Area (ha) | Number of beneficiaries |
|---|---|---|
| Oilseeds | | |
| Pulses | | |
| Cereals | | |
| Vegetable crops | | |
| Tuber crops | | |
| | | |
| | | |
| | | |
| **Total** | | |

C. Farmers-scientists interaction on livestock management : Nil

| State | Livestock components | Number of interactions | No.of participants |
|---|---|---|---|
| | | | |
| | | | |
| **Total** | | | |

D. Animal health camps organized : Nil

| State | Number of camps | No.of animals | No.of farmers |
|---|---|---|---|
| | | | |
| | | | |
| **Total** | | | |

E. Seed distribution in drought hit states: Nil

| State | Crops | Quantity (qtl) | Coverage of area (ha) | Number of farmers |
|---|---|---|---|---|
| | | | | |
| | | | | |
| **Total** | | | | |

F. Large scale adoption of resource conservation technologies : Nil

| State | Crops/cultivars and gist of resource conservation technologies introduced | Area (ha) | Number of farmers |
|---|---|---|---|
| | | | |
| | | | |
| **Total** | | | |

G. Awareness campaign : Nil

| State | Meetings | | Gosthies | | Field days | | Farmers fair | | Exhibition | | Film show | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers | No. | No.of farmers |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | |

# PART XI. IMPACT

**11.A. Impact of KVK activities (Not to be restricted for reporting period). : Nil**

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) | |
|---|---|---|---|---|
| | | | Before (Rs./Unit) | After (Rs./Unit) |
| | | | | |

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

**11.B. Cases of large scale adoption : Nil**
**(Please furnish detailed information for each case)**

**11.C. Details of impact analysis of KVK activities carried out during the reporting period : Nil**

# PART XII - LINKAGES

**12.A. Functional linkage with different organizations**

| Name of organization | Nature of linkage |
|---|---|
| **State Department**<br>Department of Agriculture, Horticulture Animal Husbandry and Veterinary services, Fisheries, Child and women welfare development | • Training and demonstrations.<br>• Providing technical information to the Extension functionaries during bi-monthly workshops<br>• Diagnostic survey and forecasting of pest and disease management of different crops.<br>• Field days, Farmers day, World Food day etc.<br>• Field visit to problematic crops in the District. |
| **Non-Governmental Organization**<br>Shree Kshetra Dharmasthala Rural Development Project, Nagarika Seva Trust, Cooperative Societies and Vijaya Rural Developmental Foundation | • Training programmes and demonstrations<br>• Participation in meeting<br>• Farmers selection, FLD, OFT implementation<br>• Training need assessment |
| **Bank**<br>Co-operative Agri. Bank | • Training Programmes for the farmers/Self Help Groups/OFT/FLD implementation. |
| **All India Radio** | • Transfer of technology through radio talks, radio script (Nataka). Announcing of messages to the farmers and KVK training Programme schedules.<br>• Pest and Disease forecasting of different crops. |

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

**12.B. List special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies : Nil**

| Name of the scheme | Date/ Month of initiation | Funding agency | Amount (Rs.) |
|---|---|---|---|
| | | | |

**12.C. Details of linkage with ATMA**

a) Is ATMA implemented in your district : Yes

If yes, role of KVK in preparation of SREP of the district?

KVK has taken lead in collaborating different development departments of DK District and provided necessary technical support for the preparation of SREP of the district.

**Coordination activities between KVK and ATMA during 2010-11**

| S. No. | Programme | Particulars | No. of programmes attended by KVK staff | No. of programmes Organized by KVK | Other remarks (if any) |
|---|---|---|---|---|---|
| **01** | **Meetings** | | | | |
| **02** | **Research projects** | | | | |
| | | | | | |
| **03** | **Training programmes** | Management of saline soil in D.K. District | 7 | - | Participated as resource person and provided technical guidance |
| | | Nutrient Management in paddy | | | |
| | | Nutrient Management in paddy | | | |
| | | ICT & its utilization in agricultural marketing | | | |
| | | Integrated Fish culture | | | |
| | | Integrated Fish culture | | | |
| | | Integrated Fish culture | | | |
| **04** | **Demonstrations** | | | | |
| | | | | | |
| **05** | **Extension Programmes** | | | | |
| | Kisan Mela | Taluk level Krishi utsav programme | **1** | **-** | Participated as resource person and provided technical guidance |
| | Technology Week | | | | |
| | Exposure visit | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | Exhibition | | | | |
| | Soil health camps | | | | |
| | Animal Health Campaigns | | | | |
| | Others (Pl. specify) | | | | |
| **06** | **Publications** | | | | |
| | Video Films | | | | |
| | Books | | | | |
| | Extension Literature | | | | |
| | Pamphlets | | | | |
| | Others (Pl. specify) | | | | |
| **07** | **Other Activities** (Pl. specify) | | | | |
| | Watershed approach | | | | |
| | Integrated Farm Development | | | | |
| | Agri-preneurs development | | | | |
| | | | | | |

**12.D. Give details of programmes implemented under National Horticultural Mission : Nil**

| S. No. | Programme | Nature of linkage | Funds received if any Rs. | Expenditure during the reporting period in Rs. | Constraints if any |
|---|---|---|---|---|---|
| | | | | | |

**12.E. Nature of linkage with National Fisheries Development Board : Nil**

| S. No. | Programme | Nature of linkage | Funds received if any Rs. | Expenditure during the reporting period in Rs. | Remarks |
|---|---|---|---|---|---|
| | | | | | |

**12.F. Details of linkage with RKVY**

| S. No. | Programme | Nature of linkage | Funds received if any Rs. | Expenditure during the reporting period in Rs. | Remarks |
|---|---|---|---|---|---|
| 1 | Crop protection demonstration | Organized five demonstrations in farmers field | 2000.00 | 1881.00 | - |
| 2 | Training programme for farmers | Organized eight OFF campus training programme for farmers | 21000.00 | 19488.00 | - |
| 3 | Exposure visit to farmers | Organized Exposure visit of 22 farm women to different agriculture institutes in Shivmoga and Dharwad districts | 30000.00 | 29959.00 | - |
| **4** | Field days | Organized field day on swarnadhara poultry birds rearing | 22585.00 | 16982.00 | - |

**12. G Kisan Mobile Advisory Services : Nil**

| Month | No. of SMS sent | No. of farmers to which SMS was sent | No. of feedback / query on SMS sent |
|---|---|---|---|
| **April 2010** | | | |
| **May** | | | |
| **June** | | | |
| **July** | | | |
| **August** | | | |
| **September** | | | |
| **October** | | | |
| **November** | | | |
| **December** | | | |
| **January 2011** | | | |
| **February** | | | |
| **March** | | | |

## PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK

**13.A. Performance of demonstration units (other than instructional farm)**

| Sl. No. | Demo Unit | Year of establishment | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Produce | Qty. | Cost of inputs | Gross income | |
| | | | | | | | | | |

**13.B. 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. (in Qtl) | Cost of inputs | Gross income | |
| **Cereals** | | | | | | | | | |
| Paddy | 15.07.2010 | 22-11-2010 | 3.5 | MO4 | Seed purpose | 28.25 | 70625.00 | 84905.00 | - |
| | | | | MO4 | Bulk | 14.28 | 14280.00 | 14280.00 | - |
| | | | | | | | | | |
| Pulses | | | | | | | | | |
| | | | | | | | | | |
| Oilseeds | | | | | | | | | |
| | | | | | | | | | |
| Fibers | | | | | | | | | |
| | | | | | | | | | |
| Spices & Plantation crops | | | | | | | | | |
| | | | | | | | | | |
| Floriculture | | | | | | | | | |
| | | | | | | | | | |
| Fruits | | | | | | | | | |
| | | | | | | | | | |
| Vegetables | | | | | | | | | |
| | | | | | | | | | |
| Others (specify) | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**13.C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : Nil**

| Sl. No. | Name of the Product | Qty | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|
| | | | Cost of inputs | Gross income | |
| | | | | | |
| | | | | | |

## 13.D. Performance of instructional farm (livestock and fisheries production)

| Sl. No | Name of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|---|---|
| | | Breed | Type of Produce | Qty. | Cost of inputs | Gross income | |
| 1 | Pig | Yorkshire | Piglets | 6 | - | - | - |
| 2 | Goat | Crossbred | Goat kids | 3 | - | - | - |

## 13.E. Utilization of hostel facilities

Accommodation available (No. of beds)

| Months | No. of trainees stayed | Trainee days (days stayed) | Reason for short fall (if any) |
|---|---|---|---|
| April 2010 | 27 | 1 | - |
| May 2010 | 28 | 1 | - |
| June 2010 | - | - | - |
| July 2010 | - | - | - |
| Aug. 2010 | - | - | - |
| Sept. 2010 | - | - | - |
| Oct. 2010 | 83 | 5 | - |
| Nov2010 | 20 | 1 | - |
| Dec. 2010 | 18 | 1 | - |
| Jan. 2011 | - | - | - |
| Feb. 2011 | - | - | - |
| March 2011 | - | - | - |

**13.F. Database management : Nil**

| S. No | Database target | Database created |
|---|---|---|
| | | |

**13.G. Details on Rain Water Harvesting structure and micro-irrigation system**

| Amount sanction (Rs.) | Expenditure (Rs.) | Details of infrastructure created / micro irrigation system etc. | Activities conducted | | | | | Quantity of water harvested in '000 litres | Area irrigated / utilization pattern |
|---|---|---|---|---|---|---|---|---|---|
| | | | No. of Training programmes | No. of Demonstration s | No. of plant materials produced | Visit by farmers (No.) | Visit by officials (No.) | | |
| | | | | | | | | | |
| | | | | | | | | | |

# PART XIV - FINANCIAL PERFORMANCE

## 14.A. Details of KVK Bank accounts

| Bank account | Name of the bank | Location | Branch code | Account Name | Account Number | MICR Number | IFSC Number |
|---|---|---|---|---|---|---|---|
| With Host Institute | - | - | - | - | - | - | - |
| With KVK | Canara Bank | Fisheries College Branch, Mangalore | 8520101100857 8520101100918 (RF) | SB | 8520101100857 8520101100918 (RF) | | |

## 14.B. Utilization of funds under FLD on Cotton *(Rs. in Lakh) : Nil*

| S. No | Items / Head | Opening balance if any | Remittance by ZPD VIII Bangalore | Actual expenditure dubitable to Council A/C | Closing balance if any | Remarks |
|---|---|---|---|---|---|---|
| 1 | **Production Technology – 50 ha** | | | | | |
| | a. Essential inputs | | | | | |
| | b. POL, hiring vehicle, Kisan melas, printed materials, reports, demonstration boards | | | | | |
| | Total | | | | | |
| 2. | **Farm Implements – 75 ha** | | | | | |
| | a. New equipments | | | | | |
| | b. Contingencies | | | | | |
| | Total | | | | | |

**14.C. Utilization of KVK funds during the year 2010-11 (Rs. in lakh)**

| S. No. | Particulars | Sanctioned | Released | Expenditure |
|---|---|---|---|---|
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 35.00+41.34 | 76.34 | 44.86892 |
| 2 | **Traveling allowances** | 0.50 | 0.50 | 0.96782 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 2.40 | 2.40 | 2.39921 |
| *B* | POL, repair of vehicles, tractor and equipments | 1.65 | 1.65 | 1.58829 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 1.00 | 1.00 | 0.99896 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 0.35 | 0.35 | 0.34438 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 1.75 | 1.75 | 1.58331 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 0.80 | 0.80 | 0.61966 |
| *G* | Training of extension functionaries | 0.25 | 0.25 | 0.24926 |
| *H* | Maintenance of buildings | 0.25 | 0.25 | 0.24850 |
| *L* | Establishment of Soil, Plant & Water Testing Laboratory | 0.50 | 0.50 | 0.50000 |
| *J* | Library | 0.05 | 0.05 | 0.48180 |
| *K* | Extension activities | 0.25 | 0.25 | 0.24930 |
| *L* | Farmers Field School | 0.25 | 0.25 | 0.22325 |
| *M* | Chemicals and glassware's for soil and water testing lbs | 2.50 | 2.50 | 2.48523 |
| *N* | Petty items-such as pestleand mortar, cloth bag, plastic jar, tray, gas connection for flame photometer and other use, | 1.00 | 1.00 | 1.00000 |
| | **TOTAL (A)** | **89.84** | **89.84** | **58.80789** |
| **B. Non-Recurring Contingencies** | | | | |
| 1 | **Works** | | | |
| 2 | **Equipments including SWTL & Furniture** | | | |
| a. | Power tiller | 1.50 | 1.50 | 1.50000 |
| b. | Computer & accessories | 0.75 | 0.75 | 0.74970 |
| c. | Portable Carp Hatchery | 2.25 | 2.25 | 2.25000 |
| d. | SWTL | 10.00 | 10.00 | 4.29806 |
| e. | Generator | 1.00 | 1.00 | 0.99955 |
| f. | EPABX System | 0.50 | 0.50 | 0.49455 |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | - | - | - |
| 4 | **Library** (Purchase of assets like books & journals) | 0.10 | 0.10 | 0.10000 |
| **TOTAL (B)** | | **16.10** | **16.10** | **10.39186** |
| **C. REVOLVING FUND** | | **1.00** | **1.00+ 0.60987 (O.B.)** | **1.22512** |
| **GRAND TOTAL (A+B+C)** | | **106.94** | **108.54987** | **70.42487** |

**14.D. 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 2008 to March 2009 | 19600.00 | 161627.00 | 175946.00 | 5281.00 |
| April 2009 to March 2010 | 5281.00 | 151334.00 | 95628.00 | 60987.00 |
| April 2010 to March 2011 | 60987.00 | 134375.00 | 122512.00 | 72850.00 |

**15. Details of HRD activities attended by KVK staff during 2010-11**

| Name of the staff | Designation | Title of the training programme | Institute where attended | Dates |
|---|---|---|---|---|
| **Dr. G. Negesha** | **SMS (Agril. Extension)** | **Winter school on "ICT mediated Agricultural Extension, Basics to advances** | **BHU, Varanasi** | **15th December 2010 to 5th January 2011** |
| **Dr. Rajesh K.M** | **SMS(Fisheries)** | **Fish culture in Integrated farming system** | **STU, Hebbal** | **11th January 2011 to 13th January 2011** |
| **Dr. Sharanabasappa** | **SMS(Entomology)** | **Technology demonstration for harnessing oilseeds & pulses productivity** | **FTU-Dharwad** | **26th July 2010 to 30th july 2010** |
| **Dr. Jayashree S.** | **SMS Home Science(F&N)** | **Winter school on " Nutraceuticals challenges and opportunities in 21st century"** | **UAS, Bangalore** | **29th November 2010 to 19th December 2010** |

**16. Please include any other important and relevant information which has not been reflected above (write in detail).**

# SUMMARY FOR 2010-11

## I. TECHNOLOGY ASSESSMENT

**Summary of technologies assessed under various crops**

| Thematic areas | Crop | Name of the technology assessed | No. of trials |
|---|---|---|---|
| Integrated Nutrient Management | Arecanut | Split application of potassium in Arecanut | 10 |
| | Ridge gourd | Potash management in Ridge gourd | 10 |
| | Bitter gourd | Potash management in Bitter gourd | 10 |
| Varietal Evaluation | | | |
| | | | |
| Integrated Pest Management | | | |
| | | | |
| Integrated Crop Management | | | |
| | | | |
| Integrated Disease Management | Arecanut | Management of inflorescence die back disease in Arecanut | 10 |
| | Bhendi | Management of yellow vein mosaic in bhendi | 9 |
| Small Scale Income Generation Enterprises | | | |
| | | | |
| Weed Management | | | |
| | | | |
| Resource Conservation Technology | | | |
| | | | |
| Farm Machineries | | | |
| | | | |
| Integrated Farming System | | | |
| | | | |
| Seed / Plant production | | | |
| | | | |
| Value addition | | | |
| | | | |
| Drudgery Reduction | | | |
| | | | |
| Storage Technique | | | |
| | | | |
| Others (Pl. specify) | | | |
| **Total** | | | **49** |

**Summary of technologies assessed under livestock : Nil**

| Thematic areas | Name of the livestock enterprise | Name of the technology assessed | No. of trials |
|---|---|---|---|
| Disease Management | | | |
| Evaluation of Breeds | | | |
| Feed and Fodder management | | | |
| Nutrition Management | | | |
| Production and Management | | | |
| Others (Pl. specify) | | | |
| **Total** | | | |

**Summary of technologies assessed under various enterprises : Nil**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials |
|---|---|---|---|
| | | | |
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**Summary of technologies assessed under home science: Nil**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials |
|---|---|---|---|
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## II. TECHNOLOGY REFINEMENT

**Summary of technologies refined under various crops**

| Thematic areas | Crop | Name of the technology refined | No. of trials |
|---|---|---|---|
| Integrated Nutrient Management | Paddy | Split application of potassium in paddy | 10 |
| | | | |
| Varietal Evaluation | | | |
| | | | |
| Integrated Pest Management | | | |
| | | | |
| Integrated Crop Management | | | |
| | | | |
| Integrated Disease Management | | | |
| | | | |
| Small Scale Income Generation Enterprises | | | |
| | | | |
| Weed Management | | | |
| | | | |
| Resource Conservation Technology | | | |

| | | | |
|---|---|---|---|
| | | | |
| Farm Machineries | | | |
| | | | |
| Integrated Farming System | | | |
| | | | |
| Seed / Plant production | | | |
| | | | |
| Value addition | | | |
| | | | |
| Drudgery Reduction | | | |
| | | | |
| Storage Technique | | | |
| | | | |
| Others (Pl. specify) | | | |
| | | | |
| **Total** | | | **10** |

**Summary of technologies assessed under refinement of various livestock : Nil**

| Thematic areas | Name of the livestock enterprise | Name of the technology refined | No. of trials |
|---|---|---|---|
| Disease Management | | | |
| Evaluation of Breeds | | | |
| Feed and Fodder management | | | |
| Nutrition Management | | | |
| Production and Management | | | |
| Others (Pl. specify) | | | |
| **Total** | | | |

**Summary of technologies refined under various enterprises : Nil**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials |
|---|---|---|---|
| | | | |
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**Summary of technologies refined under home science : Nil**

| Thematic areas | Enterprise | Name of the technology assessed | No. of trials |
|---|---|---|---|
| | | | |
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# III. FRONTLINE DEMONSTRATION

## Cotton

### Frontline demonstration on cotton : Nil

| Crop | Thematic Area | Name of the technology demonstrated | No. of KVKs | No. of Farmers | Area (ha) | Yield (q/ha) | | % Increase | *Economics of demonstration (Rs./ha) | | | | *Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demonstration | Check | | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
| Total | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## Other crops

| Crop | Thematic area | Name of the technology demonstrated | No. of KVKs | No. of Farmer | Area (ha) | Yield (q/ha) | | % change in yield | Other parameters | | *Economics of demonstration (Rs./ha) | | | | *Economics of check (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | **™ BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Cereals | | | | | | | | | | | | | | | | | | |
| Paddy | IPM in paddy | Pest and disease management in paddy | - | 10 | 4.00 | 38.5 | 28 | 27.27 | Pest incidence | | 16000 | 38500 | 22500 | 2.40 | 14000 | 28000 | 14000 | 2.00 |
| | INM in paddy | INM in paddy through STCR approach | - | 12 | 6.00 | 37.20 | 27.50 | 35.27 | 164 Grains / panicle | 142 | 21600 | 37200 | 15200 | 1.72 | 21600 | 27500 | 5900 | 1.27 |
| | Water conservation Techniques | SRI Method of paddy cultivation | | 12 | 4.00 | 42.80 | 32.46 | 31.85 | 168 Grains / panicle | 140 | 21600 | 42800 | 21200 | 1.98 | 21600 | 32460 | 10860 | 1.50 |
| | Post harvest technologies | Storage of paddy for seed purpose using metal bins and ldpe/hdpe bags | Result Under progress | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Millets | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Oilseeds | | | | | | | | | | | | | | | | | | |
| Oilseeds (Sessamum) | ICM in sessamum | Integrated cropping | - | 13 | 5.20 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| Pulses (Blackgram) | ICM in blackgram | Integrated cropping | - | 10 | 2.00 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Vegetables** | **INM in Ashgourd** | Nutrient Management in Ash gourd | - | 10 | 4.00 | | 184.20 | 29.15 | - | - | 45000 | 285480 | 240480 | 6.34 | 42000 | 221040 | 179040 | 5.26 |
| | | | | | | | | | | | | | | | | | | |
| **Flowers** | ICM in Jasmine | ICM in Jasmine | - | 25 | 0.5 ha. | | 400 hatti /5cents | 30.43 | - | - | 40000 | 175000 | 135000 | 4.40 | 40000 | 100000 | 60000 | 2.5 |
| | | | | | | | | | | | | | | | | | | |
| **Ornamental** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Fruit** | ICM in banana | ICM in banana | | **5** | **1.0** | | **258.0** | **41.44** | - | - | 53000 | 223140 | 169640 | 4.21 | 46500 | 154800 | 108300 | 3.32 |
| | | | | | | | | | | | | | | | | | | |
| **Spices and condiments** | **Post harvest techniques** | Processing of pepper using solarization technique | Result Under progress | | | | | | | | | | | | | | | |
| | **Integrated disease management** | Quick wilt management | - | 10 | 200 vines | | 1.21 kg /pt | 50.41 | - | - | 12500 | 76440 | 63940 | 6.10 | 11000 | 50820 | 39820 | 4.62 |
| **Commercial** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Medicinal and aromatic** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Fodder** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Plantation** | | | | | | | | | | | | | | | | | | |
| Coconut | ICM in Coconut | ICM in Coconut | - | 5 | 2.5 | | 13144 Nos./Ha. | 36.64 | - | - | 35000 Nos. | 109344 Nos. | 74344 Nos. | 3.12 | 30000 | 78864 | 48864 | 2.62 |
| | ICM in Arecanut | ICM in Arecanut | - | 5 | 0.5 | | 17.4 | 34.48 | - | - | 40000 | 187200 | 147200 | 4.68 | 37000 | 139200 | 102200 | 3.76 |
| | Integrated disease Management | Koleroga management in areca nut | - | 6 | 2.5 | | 20.0 | 38.30 | - | - | 40000 | 221280 | 181280 | 5.53 | 46000 | 160000 | 114000 | 3.47 |
| Arecanut | IPM | Root grub management | - | 7 | 2.8 | | 6.14 | 59.60 | - | - | 35000 | 78400 | 43400 | 2.24 | 30000 | 49120 | 19120 | 1.63 |
| | | | | | | | | | | | | | | | | | | |
| **Fibre** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Others (pl.specify)** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | **Total** | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

## Livestock

| Category | Thematic area | Name of the technology demonstrated | No. of KVKs | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | *Economics of demonstration (Rs.) | | | | *Economics of check (Rs.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Dairy | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Poultry | Live stock management | Rearing of swarnadhara poultry birds | - | 20 | - | 2.95 | 0.9 | 277.7 | - | - | Rs. 90/bird | Rs. 290/bird | Rs. 200/bird | 3.22 | Rs. 40/bird | Rs. 110/bird | Rs. 70/bird | 2.75 |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Rabbitry** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Pigerry** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Sheep and goat** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Duckery** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| **Others (pl.specify)** | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | **Total** | | | **20** | **-** | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

## Fisheries

| Category | Thematic area | Name of the technology demonstrated | No. of KVKs | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | *Economics of demonstration (Rs.) | | | | *Economics of check (Rs.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Common carps | Utilization of clay pits for fish culture | - | - | 05 | 5000 | - | - | - | - | - | 9500 | 22000 | 12500 | 2.32 | Fish culture was dame for the first time in clay pits | | | |
| | Polyculture of fish & prawn | - | - | 05 | 1000 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| Mussels | Culture of cat fish with carps under polyculture farming system | - | - | 05 | 1000 | Under progress (Harvesting during April-May 2011) | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Ornamental fishes | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | |
| | | **Total** | | **15** | **7000** | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## Other enterprises : Nil

| Category | Name of the technology demonstrated | No. of KVKs | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | *Economics of demonstration (Rs.) or Rs./unit | | | | *Economics of check (Rs.) or Rs./unit | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Oyster mushroom | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Button mushroom | | | | | | | | | | | | | | | | | |
| Vermicompost | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| Apiculture | | | | | | | | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | **Total** | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

**Women empowerment: Nil**

| Category | Name of technology | No. of KVKs | No. of demonstrations | Name of observations | Demonstration | Check |
|---|---|---|---|---|---|---|
| **Women** | | | | | | |
| Pregnant women | | | | | | |
| Adolescent Girl | | | | | | |
| Other women | | | | | | |
| **Children** | | | | | | |
| Neonats | | | | | | |
| Infants | | | | | | |
| Children | | | | | | |

**Farm implements and machinery : Nil**

| Name of the implement | Crop | Name of the technology demonstrated | No. of KVKs | No. of Farmer | Area (ha) | Filed observation (output/man hour) | | % change in major parameter | Labor reduction (man days) | | | | Cost reduction (Rs./ha or Rs./Unit ect.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Demonstration | Check | | | | | | | | | |
| | | | | | | | | | | | | | | | | |
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* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST

## Other enterprises

## Demonstration details on crop hybrids : Nil

| Crop | Name of the Hybrid | No. of farmers | Area (ha) | Yield (kg/ha) / major parameter | | | Economics (Rs./ha) | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Demonst-ration | Local check | % change | Gross Cost | Gross Return | Net Return | BCR |
| **Cereals** | | | | | | | | | | |
| Bajra | | | | | | | | | | |
| Maize | | | | | | | | | | |
| Rice | | | | | | | | | | |
| Sorghum | | | | | | | | | | |
| Wheat | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Oilseeds** | | | | | | | | | | |
| Castor | | | | | | | | | | |
| Mustard | | | | | | | | | | |
| Safflower | | | | | | | | | | |
| Sesame | | | | | | | | | | |
| Sunflower | | | | | | | | | | |
| Groundnut | | | | | | | | | | |
| Soybean | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Pulses** | | | | | | | | | | |
| Greengram | | | | | | | | | | |
| Blackgram | | | | | | | | | | |
| Bengalgram | | | | | | | | | | |
| Redgram | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | | | | | | | | | | |
| **Vegetable crops** | | | | | | | | | | |
| Bottle gourd | | | | | | | | | | |
| Capsicum | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| Cucumber | | | | | | | | | | |
| Tomato | | | | | | | | | | |
| Brinjal | | | | | | | | | | |
| Okra | | | | | | | | | | |
| Onion | | | | | | | | | | |
| Potato | | | | | | | | | | |
| Field bean | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| **Commercial crops** | | | | | | | | | | |
| Sugarcane | | | | | | | | | | |
| Coconut | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |
| Fodder crops | | | | | | | | | | |
| Maize (Fodder) | | | | | | | | | | |
| Sorghum (Fodder) | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| | | | | | | | | | | |
| **Total** | | | | | | | | | | |

# IV. Training Programme

**Farmers' Training including sponsored training programmes (On campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/Irrigation | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | 2 | 9 | 42 | 51 | - | - | - | 9 | 42 | 51 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high volume crop | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| **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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | 1 | 29 | 2 | 31 | 4 | 1 | 5 | 33 | 3 | 36 |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | 01 | 40 | 03 | 43 | 07 | 01 | 08 | 47 | 04 | 51 |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Animal Disease Management | | | | | | | | | | |
| Feed and Fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | 2 | 1 | 55 | 56 | - | 4 | 4 | 1 | 59 | 60 |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery production | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | |
| Integrated fish farming | 01 | 42 | 03 | 45 | 05 | - | 05 | 47 | 03 | 50 |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Composite fish culture | 01 | 21 | 01 | 22 | 04 | - | 04 | 25 | 01 | 26 |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | |
| Breeding and culture of ornamental fishes | 04 | 118 | 09 | 127 | 06 | 04 | 10 | 124 | 13 | 137 |
| Portable plastic carp hatchery | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Mushroom production | | | | | | | | | | |
| Apiculture | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (Pl. specify) | | | | | | | | | | |
| **TOTAL** | **12** | **260** | **115** | **375** | **26** | **10** | **36** | **286** | **125** | **411** |

**Farmers' Training including sponsored training programmes (Off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Micro Irrigation/Irrigation | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | 2 | 43 | 17 | 60 | 4 | 1 | 5 | 47 | 18 | 65 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | 1 | 32 | 4 | 36 | 2 | 2 | 4 | 34 | 06 | 40 |
| Production of organic inputs | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low value and high volume crop | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation | | | | | | | | | | |
| Others (pl.specify) | 1 | 17 | 13 | 30 | 4 | 5 | 9 | 30 | 18 | 39 |
| **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 | | | | | | | | | | |
| Others: Banana: Integrated crop management in banana | 2 | 39 | 05 | 44 | 08 | 02 | 10 | 47 | 07 | 54 |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| Others : Jasmine cultivation | 2 | 26 | 48 | 74 | 5 | 17 | 22 | 31 | 65 | 96 |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | 3 | 89 | 11 | 100 | 09 | 07 | 16 | 98 | 18 | 116 |
| Processing and value addition | | | | | | | | | | |
| Others: Production technology of Jasmine | 1 | - | 32 | 32 | - | 18 | 18 | - | 50 | 50 |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | 1 | 18 | 40 | 58 | 2 | 2 | 4 | 20 | 42 | 62 |
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | 4 | 136 | 25 | 161 | 20 | 4 | 24 | 156 | 29 | 185 |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Animal Nutrition Management | | | | | | | | | | |
| Animal Disease Management | | | | | | | | | | |
| Feed and Fodder technology | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | 8 | 3 | 265 | 268 | - | 28 | 28 | 3 | 293 | 296 |
| Women empowerment | | | | | | | | | | |
| Location specific drudgery production | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **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 | | | | | | | | | | |
| Others : Use of ICT in Agriculture marketing (Sponsored) | 1 | 16 | - | 16 | 3 | - | 3 | 19 | - | 19 |
| **Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Fisheries** | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | |
| Composite fish culture | 03 | 77 | 07 | 84 | 11 | 02 | 13 | 88 | 09 | 97 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Production of Inputs at site** | | | | | | | | | | |
| Seed Production | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | |
| Organic manures production | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Mushroom production | | | | | | | | | | |
| Apiculture | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| Others (pl.specify) | | | | | | | | | | |
| **Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| Others (Pl. specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**Training for Rural Youths including sponsored training programmes (on campus): Nil**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**Training for Rural Youths including sponsored training programmes (off campus) Nil**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| 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 | | | | | | | | | | |
| Any other (pl.specify) | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | |

**Training programmes for Extension Personnel including sponsored training programmes (on campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other : Value addition | 1 | - | 29 | 29 | - | 3 | 3 | - | 32 | 32 |
| Any other: Extension methodologies for transfer of technologies | 1 | 30 | - | 30 | - | - | - | 30 | - | 30 |
| **Total** | 2 | 30 | 29 | 59 | - | 3 | 3 | 30 | 32 | 62 |

**Training programmes for Extension Personnel including sponsored training programmes (off campus)**

| Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | General | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Any other : Value addition | 1 | - | 29 | 29 | - | 5 | 5 | - | 34 | 34 |
| **Total** | 1 | - | 29 | 29 | - | 5 | 5 | - | 34 | 34 |

## Sponsored training programmes

| S.No. | Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | General | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **1** | **Crop production and management** | | | | | | | | | | |
| 1.a. | Increasing production and productivity of crops | | | | | | | | | | |
| 1.b. | Commercial production of vegetables | | | | | | | | | | |
| **2** | **Production and value addition** | | | | | | | | | | |
| 2.a. | Fruit Plants | | | | | | | | | | |
| 2.b. | Ornamental plants | | | | | | | | | | |
| 2.c. | Spices crops | | | | | | | | | | |
| **3.** | **Soil health and fertility management** | | | | | | | | | | |
| **4** | **Production of Inputs at site** | | | | | | | | | | |
| **5** | **Methods of protective cultivation** | | | | | | | | | | |
| **6** | **Others (pl.specify)** | | | | | | | | | | |
| **7** | **Post harvest technology and value addition** | | | | | | | | | | |
| 7.a. | Processing and value addition(sponsored by DCCD, Cochin) | **7** | **-** | **175** | **175** | **-** | **-** | **-** | **-** | **175** | **175** |
| 7.b. | Others : RKVY | **2** | **1** | **93** | **94** | **-** | **11** | **11** | **1** | **104** | **105** |
| **8** | **Farm machinery** | | | | | | | | | | |
| 8.a. | Farm machinery, tools and implements | | | | | | | | | | |
| 8.b. | Others (pl.specify) | | | | | | | | | | |
| **9.** | **Livestock and fisheries** | | | | | | | | | | |
| **10** | **Livestock production and management** | | | | | | | | | | |
| 10.a. | Animal Nutrition Management | | | | | | | | | | |
| 10.b. | Animal Disease Management | | | | | | | | | | |
| 10.c | Fisheries Nutrition | | | | | | | | | | |
| 10.d | Fisheries Management | | | | | | | | | | |
| 10.e. | Others : Ornamental fish breeding and rearing (Sponsored by MPEDA) | **2** | **40** | **3** | **43** | **6** | **1** | **7** | **46** | **4** | **50** |
| **11.** | **Home Science** | | | | | | | | | | |
| 11.a. | Household nutritional security | | | | | | | | | | |
| 11.b. | Economic empowerment of women | | | | | | | | | | |
| 11.c. | Drudgery reduction of women | | | | | | | | | | |
| 11.d. | Others (pl.specify) | | | | | | | | | | |
| **12** | **Agricultural Extension** | | | | | | | | | | |
| 12.a. | Capacity Building and Group Dynamics | | | | | | | | | | |
| 12.b. | Others: Scaling up of water productivity in agriculture | **1** | **42** | **5** | **47** | **1** | **2** | **3** | **43** | **7** | **50** |
| | **Total** | **12** | **83** | **276** | **359** | **7** | **14** | **21** | **90** | **283** | **380** |

**Details of vocational training programmes carried out for rural youth : Nil**

| S.No. | Area of training | No. of Courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | General | | | SC/ST | | | Grand Total | | |
| | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **1** | **Crop production and management** | | | | | | | | | | |
| 1.a. | Commercial floriculture | | | | | | | | | | |
| 1.b. | Commercial fruit production | | | | | | | | | | |
| 1.c. | Commercial vegetable production | | | | | | | | | | |
| 1.d. | Integrated crop management | | | | | | | | | | |
| 1.e. | Organic farming | | | | | | | | | | |
| 1.f. | Others (pl.specify) | | | | | | | | | | |
| **2** | **Post harvest technology and value addition** | | | | | | | | | | |
| 2.a. | Value addition | | | | | | | | | | |
| 2.b. | Others (pl.specify) | | | | | | | | | | |
| **3.** | **Livestock and fisheries** | | | | | | | | | | |
| 3.a. | Dairy farming | | | | | | | | | | |
| 3.b. | Composite fish culture | | | | | | | | | | |
| 3.c. | Sheep and goat rearing | | | | | | | | | | |
| 3.d. | Piggery | | | | | | | | | | |
| 3.e. | Poultry farming | | | | | | | | | | |
| 3.f. | Others (pl.specify) | | | | | | | | | | |
| **4.** | **Income generation activities** | | | | | | | | | | |
| 4.a. | Vermi-composting | | | | | | | | | | |
| 4.b. | Production of bio-agents, bio-pesticides, bio-fertilizers etc. | | | | | | | | | | |
| 4.c. | Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| 4.d. | Rural Crafts | | | | | | | | | | |
| 4.e. | Seed production | | | | | | | | | | |
| 4.f. | Sericulture | | | | | | | | | | |
| 4.g. | Mushroom cultivation | | | | | | | | | | |
| 4.h. | Nursery, grafting etc. | | | | | | | | | | |
| 4.i. | Tailoring, stitching, embroidery, dying etc. | | | | | | | | | | |
| 4.j. | Agril. para-workers, para-vet training | | | | | | | | | | |
| 4.k. | Others (pl.specify) | | | | | | | | | | |
| **5** | **Agricultural Extension** | | | | | | | | | | |
| 5.a. | Capacity building and group dynamics | | | | | | | | | | |
| 5.b. | Others (pl.specify) | | | | | | | | | | |
| | **Grand Total** | | | | | | | | | | |

## V. Extension Programmes

| Activities | No. of programmes | No. of farmers | No. of Extension Personnel | TOTAL |
|---|---|---|---|---|
| Advisory Services (Telephone calls) | 370 | 303 | 37 | 340 |
| Diagnostic visits | 3 | 6 | 2 | 8 |
| Field Day | 2 | 84 | 2 | 86 |
| Group discussions | - | - | - | - |
| Kisan Ghosthi | - | - | - | - |
| Film Show | 4 | 137 | - | 137 |
| Self -help groups | - | - | - | - |
| Kisan Mela | - | - | - | - |
| Exhibition | 2 | 2000 | - | 2000 |
| Scientists' visit to farmers field | 147 | 147 | - | 147 |
| Plant/animal health camps | - | - | - | - |
| Farm Science Club | - | - | - | - |
| Ex-trainees Sammelan | - | - | - | - |
| Farmers' seminar/workshop | 2 | 117 | - | 117 |
| Method Demonstrations | 18 | 422 | 66 | 488 |
| Celebration of important days (World food day) | **01** | 32 | - | 32 |
| Special day celebration (Nutrition week) | **01** | 41 | 3 | 44 |
| Exposure visits | **01** | 22 | - | 22 |
| **Others :** Farmers visit to KVK | - | - | - | - |
| **Total** | 551 | 3311 | 110 | 3421 |

Details of other extension programmes

| Particulars | Number |
|---|---|
| Electronic Media | - |
| Extension Literature | 3 |
| News Letter | - |
| News paper coverage | 34 |
| Technical Articles | 1 |
| Technical Bulletins | 4 |
| Technical Reports | 0 |
| Radio Talks | 8 |
| TV Talks | - |
| Animal health amps (Number of animals treated) | - |
| Others (pl.specify) | - |
| **Total** | **50** |

# VI. PRODUCTION OF SEED/PLANTING MATERIAL

**Production of seeds by the KVKs**

| Crop category | Name of the crop | Name of the variety (if hybrid pl. specify) | Quantity of seed (q) | Value (Rs) | Number of farmers |
|---|---|---|---|---|---|
| Cereals | Paddy-Seed | MO-4 | 28.25 | 70625.00 | 12 |
| | Paddy-Bulk | MO-4 | 14.28 | 14280.00 | - |
| Oilseeds | | | | | |
| Pulses | | | | | |
| Commercial crops | | | | | |
| Vegetables | | | | | |
| Flower crops | | | | | |
| Spices | | | | | |
| Fodder crop seeds | | | | | |
| Fiber crops | | | | | |
| Forest Species | | | | | |
| Others | | | | | |
| **Total** | - | - | 42.53 | 84900.00 | 12 |

**Production of planting materials by the KVKs**

| Crop category | Name of the crop | Name of the variety (if hybrid pl. specify) | Number | Value (Rs.) | Number of farmers |
|---|---|---|---|---|---|
| Commercial | - | - | - | - | - |
| Vegetable seedlings | - | - | - | - | - |
| Fruits | - | - | - | - | - |
| Ornamental plants | - | - | - | - | - |
| Medicinal and Aromatic | - | - | - | - | - |
| Plantation | Jasmine | Udupi Mallige | 10500 | 179325 | Supplied to Dept. of Horticulture D.K. Mangalore |
| Spices | - | - | - | - | - |
| Tuber | - | - | - | - | - |
| Fodder crop saplings | - | - | - | - | - |
| Forest Species | - | - | - | - | - |
| Others | - | - | - | - | - |
| **Total** | - | - | - | - | - |

**Production of Bio-Products**

| Bio Products | Name of the bio-product | Quantity Kg | Value (Rs.) | No. of Farmers |
|---|---|---|---|---|
| Bio Fertilizers | - | - | - | - |
| Bio-pesticide | - | - | - | - |
| Bio-fungicide | Trichoderma | 47 | 4700.00 | 26 |
| Bio Agents | - | - | - | - |
| Others | - | - | - | - |
| **Total** | | 47 | 4700.00 | 26 |

**Production of livestock and related enterprise materials**

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers |
|---|---|---|---|---|
| **Dairy animals** | | | | |
| Cows | | | | |
| Buffaloes | | | | |
| Calves | | | | |
| Others : Goat kids | Cross bread | 3 | 3600 | 3 |
| **Poultry** | | | | |
| Broilers | | | | |
| Layers | | | | |
| Duals (broiler and layer) | | | | |
| Japanese Quail | | | | |
| Turkey | | | | |
| Emu | | | | |
| Ducks | | | | |
| Others (Pl. specify) | | | | |
| **Piggery** | **Yorkshire** | **6** | **14000** | **3** |
| Piglet | | | | |
| Others (Pl.specify) | | | | |
| **Fisheries** | | | | |
| Fingerlings | | | | |
| Others (Pl. specify) | | | | |
| **Total** | | **9** | **17600** | **5** |

## VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2010-11: Nil

| Samples | No. of Samples | No. of Farmers | No. of Villages | Amount realized (Rs.) |
|---|---|---|---|---|
| Soil | | | | |
| Water | | | | |
| Plant | | | | |
| Manure | | | | |
| Others (pl.specify) | | | | |
| **Total** | | | | |

## VIII. SCIENTIFIC ADVISORY COMMITTEE : Nil

| Number of SACs conducted |
|---|
| |

## IX. NEWSLETTER : Nil

| Number of issues of newsletter published |
|---|
| |

## X. RESEARCH PAPER PUBLISHED

| Number of research paper published |
|---|
| Farmers field school-A Successful Approach for Reaching Farmers |

## XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM : Nil

| Activities conducted | | | | |
|---|---|---|---|---|
| No. of Training programmes | No. of Demonstration s | No. of plant materials produced | Visit by farmers (No.) | Visit by officials (No.) |
| | | | | |
| | | | | |
| | | | | |

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