**PROFORMA FOR ANNUAL REPORT 2013-14**

**(FOR THE PERIOD APRIL 2013 TO MARCH 2014)**

KRISHI VIGYAN KENDRA (UTTARAKANNADA)

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 |
|  | Office | Fax |  |  |
| Krishi Vigyan Kendra  Banavasi Road,  Sirsi-581 401  District : Uttara Kannada  State : Karnataka | Office  (08384)  228411 | FAX  (08384)  228411 | [kvkuks@gmail.com](mailto:kvkuks@gmail.com) | **www.kvkuttarkannada.org** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Web Address |
| Office | Fax |  |  |
| University of Agricultural Sciences,  Krishi Nagar  Dharwad -580 005 | (0836)  2448512,  2447494 | (0836)  2748199 | [deuasd@rediffmail.com](mailto:deuasd@rediffmail.com) | [www.uasd.edu](http://www.uasd.edu) |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Dr. Roopa S Patil | 9480410770 | 9448495345 | rsp10@rediffmail.com |

1.4. Year of sanction: 2004

**1.5. Staff Position (as 31st March 2014)**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Sanctioned post | Name of the incumbent | Designation | M  /F | Discipline | Highest Qualification | Pay  Scale | Basic pay | Date of joining KVK | Permanent  /Temporary | Category |
| 1 | Programme  Coordinator | Dr (Mrs) Roopa S. Patil | PC (IC) | F | Agricultural Entomology | Ph.D (Agril. Entomology) | 15600-39100+6000( AGP) | 26600 | 3.12.2008 | P | GM |
| 2 | SMS | Dr (Mrs) Roopa S. Patil | SMS | F | Agricultural Entomology | Ph.D (Agril. Entomology) | 15600-39100+6000( AGP) | 26600 | 3.12.2008 | P | GM |
| 3 | SMS | Shri Shivashenkaramurthy M. | SMS | M | Agronomy | MSc(Agronomy) | 15600-39100 +6000(AGP) | 22250 | 28.11.2011 | P | SC |
| 4 | SMS | Miss. Akkamahadevi D Agasimani | SMS | F | Horticulture | MSc(Horticulture) | 15600-39100 +6000(AGP) | 21600 | 14.12.2012 | P | CAT-2 |
| 5 | SMS | Sudharshan A | SMS | M | Agroforestry | MSc(Forestry) | 15000 | 15000 | 12.12.2013 | T | GM |
| 6 | SMS | Vacant |  |  |  |  |  |  |  |  |  |
| 7 | SMS | Vacant |  |  |  |  |  |  |  |  |  |
| 8 | Programme Assistant | Siddappa Kannur | Prg. Asst | M | Forestry | MSc(Forestry) | 15600-39100 +6000(AGP) | 9300 | 2.08.2013 | P | GM |
| 9 | Programme Assistant (Computer)/ T-4 | Mrs. Annapurna F. Neeralgi | Programme Asst. (Computer) | F | Computer Science | MSC(Comp) | 9300-34800 + 4200 GP | 15210 | 29.03.2010 | P | SC |
| 10 | Programme Assistant/ Farm Manager | Dr. Praveen T. Goroji | Farm Manager | M | Soil science | Ph. D (Soil Science) | 9300-34800 + 4200 GP | 15670 | 13.11.2008 | P | GM |
| 11 | Assistant | Shri Somashekaraiah S. L. | Sr. Assistant | M |  | - | 20000-36300 | 22800 | 14.10.2011 | P | SC |
| 12 | Jr. Stenographer | Miss Purnima K. Hirehal | Typist | F |  |  | 16000-29600 | 17650 | 12.11.2009 | P | ST |
| 13 | Driver | Mr.Balappa Taragar | Driver | M |  |  | 11600-21000 | 12500 | 06.10.2009 | P | GM |
| 14 | Driver | Vacant |  |  |  |  |  |  |  |  |  |
| 15 | Supporting staff | Mr. H.A. Nadaf | Cook cum caretaker | M |  |  | 10400-16400 | 11600 | 02.08.2007 | P | CAT-1 |
| 16 | Supporting staff | Vacant |  |  |  |  |  |  |  |  |  |

**1.6. Total land with KVK (in ha) : 2.5 ha**

|  |  |  |
| --- | --- | --- |
| S. No. | Item | Area (ha) |
| 1 | Under Buildings | 0.5 |
| 2. | Under Demonstration Units | - |
| 3. | Under Crops | 0.8 |
| 4. | Orchard/Agro-forestry | 1.0 |
| 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.) | Starting Date | Plinth area  (Sq.m) | Status of construction |
| 1. | Administrative  Building |  |  |  |  |  |  |  |
| 2. | Farmers Hostel | NATP | 2003 | 395.81 | - | - | - | - |
| 3. | Staff Quarters |  |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |
| 4. | Demonstration Units |  |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 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 |
| Motor bike  KA 31 J 3307 | Yamaha Crux 2002 | 42,850.00 | 26184 | Good |
| Motor bike  KA 25 EC 7562  KA 25 EC 7564 | Hero Honda - Passion  2009  2009 | 42,450.00  42,450.00 | 15470  12677 | Good  Good |
| Toyota Qualis Jeep  KA 31M 2652 | 2004 | 5,00,000.00 | 193026 | Good |
| Power Tiller | 2011 | 145950.00 | 28 hrs | Good |
| HMT Tractor  KA-31 T-2445  Trailor  KA-31 T-2446 | 2011 | 357863.81  114285.72 | 579 hrs | Good |

**C) Equipments & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
| Godrej copier | 30-03-2001 | 80,234/- | Good condition |
| Stabilizer | 30-03-2001 | 6,000/- | ’’ |
| Portable OHP | 31-03-2001 | 23,920/- | ’’ |
| Honda make EBK 2000 generator | 31-03-2001 | 32,800/- | ’’ |
| EB 833 Altimeter | 25-02-2002 | 10,990/- | ’’ |
| Thomson TV 29’’ monitor | 30-03-2002 | 28,700/- | ’’ |
| Thomson CD player | 30-03-2002 | 6,500/- | ’’ |
| Sharp VCR | 30-03-2002 | 12,300/- | ’’ |
| Computer and accessories | 30-03-2003 | 72,513/- | ’’ |
| Public address system | 26-02-2003 | 10,500/- | ’’ |
| Nikon Camera | 29-09-2003 | 28,350/- | ” |
| Air Conditioner for computer hall | 27-09-2003 | 10,500/- | ’’ |
| Photo display frame | 27-09-2003 | 17,000/- | ’’ |
| Exhibition showcase | 27-09-2003 | 14,000/- | ’’ |
| Scanner | 27-09-2003 | 3,500/- | ’’ |
| Sony Digital Camera | 2006 | 13,000/- | Under repair |
| Computer HP- with accessories | 31.3.2007 | 36,000/- | Good condition |
| Motorized screen | 2008 | 24,000/- | ’’ |
| Lexmark Printer | March 2008 | 15,043/- | ’’ |
| Printer (4 in one) | 31.3.2009 | 13,950/- | ’’ |
| Sony DV cam – Portable camera | Jan-2010 | 1,84,000/- | ’’ |
| Computer and accessories-HP DC-7000 series (2 Nos) | April-2010 | 77690/- | ’’ |
| Lenovo s10-3s Idea pad | 4.02.2011 | 21600/- | ’’ |
| Printer- HP 1007 | 30-03-2011 | 4900/- | ’’ |
| Oven - Bajaj | March 2011 | 2,800/- | ’’ |
| Pepper Diconing | March 2011 | 18,500/- | ’’ |
| Generator 7.5 KVA, KIRLOSKER | January 2012 | 81,057/- | ’’ |
| Power Sprayer Single Piston | March 2012 | 28,000/- | ’’ |
| Digital Cameras Canon A 810  Canon SX 150 | September 2012 | 5,995/-  9,995/- | ’’  ’’ |
| Digital Cameras Canon A 810  Canon SX 150 | December 2012  January 2013 | 4,900/-  4,900/- | ’’  ’’ |
| UPS V-Guard | January 2013 | 6,540/- | ’’ |
| Grinder | January 2013 | 4,500/- | ’’ |
| Coco Butter Extractor | January 2013 | 44,885/- | ’’ |
| Ground nut Stripper (3) | January 2013 | 3,350/- | ’’ |
| Hand Refractometer | January 2013 | 3,807/- | ’’ |
| Banjo- Power operated groundnut stripper | March 2013 | 19474 | " |
| HP Laptop | Jan-2014 | 52000/- | " |
| Sugarcane eye bud chipper | March 2014 | 4000/- | " |
| Power Safe UPS | March-2014 | 2250/- | " |
|  |  |  |  |

**1.8. Details SAC meeting conducted in 2013-14**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Date** | **Number of Participants** | **No. of absentees** | **Salient Recommendations** | **Action taken** |
| 1. | 01.08.2013 | 60 | 03 | Action to establish custom hiring centre at KVK should be initialized and proposal for sanction of grants in this regard may be sent to University. It is also suggested to include 2 transplanters, 2 reapers and one weeder in the proposal | Proposal has been submitted to UAS for financial sanction |
|  |  |  |  | As per the decisions made during last SAC the Dairy Unit is to be taken over by the KVK and established as demonstration unit. | After recruitment of Animal Scientist arrangements will be made to take over the diary unit |
|  |  |  |  | An exposure visit of 10 farmers to Ranchi to learn about the LAC cultivation is to be planned | An exposure visit to IINRG, Ranchi and training on Scientific lac cultivation, production and processing was organized for 15 progressive farmers during September 2013 |
|  |  |  |  | Activities to popularize the biological methods ( nematodes and fungi ) to control arecanut root grub , are to be carried out. | FLD on Management of Arecanut rootgrub through entomopathogenic fungi and control nut drop is implemented in Kaigudde, Kedigemane and in progress. Also Awareness programmes were oragnised during adult beetle emergence |
|  |  |  |  | Trainings on use of agricultural implements are to be organized to the members of cooperative societies and P.A.C.S officers | Farm Machinery exhibition was organized in collaboration with CIAE, Bhopal, Regional Center, Coimbatore, CPCRI, Kasargod and TNAU, Coimbatore to create awareness about the suitable implements for Uttar Kannada district |
|  |  |  |  | To gain more knowledge on value addition of banan fibre , visits to IDS and Kishkinda Trust, Anegundi may be planned. The acquired knowledge is to be disseminated to the farmers of the district. | Action was not taken, but will be initiated after the recruitment of Home scientist |
|  |  |  |  | Groundnut variety G-2-52 may be popularized in residual moisture after paddy | Trials are initiated at Holanagadde, Kumta Tq. under ATMA Research activities |
|  |  |  |  | Feeler trials are to be carried out at ARS,Kumta to popularize groundnut and pulse varieties released by UASD. | Trials are initiated |
|  |  |  |  | Extension activites to manage the quick wilt of blackpepper are to be organized. and Information on grafting of black pepper is to be collected and to be presented during ZRAC | Information on grafting of black pepper was collected from N. D. Hegde, Antravalli, Kumta Tq. and presented during ZREAC/ZREFC meeting held at AC, Bijapur. Project proposal was submitted to DR, UAS Dharwad |
|  |  |  |  | Information with respect to site specific nutrient loss is to be collected and necessary extension activites are to be planned to control the same. | Action was not taken |
|  |  |  |  | KVK should produce and popularize value added products like KVK Patanamtitta | Action was not taken. But will be initiated after recruitment of Home scientist |
|  |  |  |  | KVK should promote use of cocoa and marketing in same lines of KVK Erode. If necessary exposure visit may be planned to KVK,Erode | Action was not taken. But will be initiated after recruitment of Home scientist |
|  |  |  |  | Activities to mange natural resources are to organized | Will be initiated in future |
|  |  |  |  | Soil and water samples of farmers are to be tested and soil health cards are to be distributed. | Already implemented and work is in progress. |
|  |  |  |  | Technical information are to be included in the KVK Newsletters and circulated to SAC member, progressive farmer, RSKs and developmental departments of the district. | Technical information are included in the KVK Newsletters and circulated to all officials and SAC members regularly |

**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 | Rainfed area : Paddy- Pulses/Ground nut, Maize- Pulses, Areca nut and Coconut based multi cropping system  Irrigation: Paddy –Paddy, Sugarcane, Paddy –Maize, Areca nut and Coconut based multi cropping system |
| 2 | Non Timber Forest Produce, Fisheries and Dairy |

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

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1 | Zone – 9 | It consists of eastern transition belt and west coast with a geographical area 25,670.60 sq.km. It has hill zones and valleys with red sandy loam, clay loam and laterite soils. In some parts medium black soils are also found. Major crops grown are paddy, cotton, arecanut based mixed crops of spices. |
| 2 | Zone – 10 | The zone consists of coastal and hill tracts with rainfall 3500 mm. The major crops grown are paddy, groundnut, pulses and arecanut based cropping system. Sandy soils, costal alluvial, red sandy loam, laterite soils are found in these regions. |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1 | Coastal ecosystem | High to very high rainfall of about 3500 mm, hot and humidity climate with highly leached sandy alkaline soils. |
| 2 | Hill zone ecosystem | Rainfall ranges from 2500 to 3500 mm, with valleys and low hills. Major area covered is forest and dominated by laterite soils. |
| 3 | Transitional ecosystem | Rainfall ranges from 800-1200 mm. dominated by plains and rolling hills. Soils vary from red loam to medium black soils. |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Lateritic soils | Deep, well drained to excessively drained, yellowish red to dark reddish brown, sandy loam to sandy clay and clay surface soils and clay subsoil’s, moderate to severely eroded with surface crusting. | 36332 |
| 2 | Coastal laterite soil | Deep, well drained to excessively drained, dark brown to yellowish red and dark reddish brown, sandy clay loam to clay loam surface soils and sandy clay to clay subsurface soils, moderately to severely eroded with surface crusting. |
| 3 | Coastal alluvial soils | Deep, well drained and poorly drained, pale brown to dark yellowish brown, sand, sandy loam to loam surface soils and sand to loam subsurface soils. |
| 4 | Red gravely clay soils | Deep and shallow, well drained to excessively drained, yellowish brown dark red to reddish brown, gravely sandy loam to sandy clay loam and loamy sand surface soils and no calcareous cracking clay to silty clay soils, moderately to severely eroded. | 144589 |
| 5 | Red clay soils | Deep to moderately deep and hallow, well drained, brown to yellowish red to reddish brown, sandy loam and sandy clay to clay subsurface soils, moderately to severely eroded. | 552877 |
| 6 | Forest soils (Brown forest soil) | Deep to moderately, Deep, well drained to excessively drained, dark brown to dark yellowish brown and black sandy clay to sandy clay loam, humus rich surface soils and clay to sandy clay, gravely sandy clay to clay sub surface soils, moderately to severely eroded. | 291679 |
| 7 | Medium black soils | Shallow, well drained grey to dark grey and brown clay loam and silty clay loam. |

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 | 73285 | 219622 | 3052 |
| 2 | Cotton | 2588 | 6 | 340 |
| 3 | Groundnut | 2553 | 4203 | 1716 |
| 4 | Green gram | 933 | 198 | 224 |
| 5 | Black gram | 515 | 203 | 411 |
| 6 | Maize | 3793 | 15948 | 3869 |
| 7 | Sugarcane | 2726 | 229398 | 88 |
| 8 | Arecanut | 17746.0 | 44599.65 | 2.51 |
| 9 | Coconut | 7754.00 | 1349.57(Lakh Nuts) | 0.17 |
| 10 | Black pepper | 627.00 | 263.23 | 0.42 |
| 12 | Ginger | 268.00 | 6700.00 | 25.00 |
| 13 | Cardamom | 789.00 | 201.55 | 0.26 |
| 14 | Cashew | 3190.00 | 6957.63 | 2.18 |
| 15 | Banana | 2547.0 | 77801.47 | 30.55 |
| 16 | Mango | 2433.0 | 44741.08 | 18.39 |
| 17 | Pine apple | 418.00 | 31052.00 | 74.29 |

Source : \* Uttara Kannada at a Glance 2010-11 by Statistical Department , Karwar (Agriculture crops)

\* Office of DDH, Dept. of Horticutlure, Sirsi (Horticulture crops) 2010-11

2.5. Weather data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
|  | Maximum | Minimum | Morning | Evening |
| Jan 2013 | 5.50 | 31.7 | 14.1 | 83.0 | 63.1 |
| Feb 2013 | 9.70 | 32.8 | 16.0 | 88.7 | 86.1 |
| March 2013 | 1.40 | 34.1 | 18.6 | 86.0 | 41.0 |
| April 2013 | 12.0 | 34.0 | 21.2 | 93.2 | 70.3 |
| May 2013 | 126.5 | 32.2 | 21.8 | 89.1 | 68.7 |
| June 2013 | 708.6 | 27 | 20.8 | 91.0 | 86.4 |
| July 2013 | 1233.9 | 25.3 | 21.0 | 94.4 | 90.0 |
| August 2013 | 555.5 | 26.4 | 20.7 | 92.6 | 84.0 |
| Sept 2013 | 360.9 | 28.4 | 20.1 | 92.4 | 77.4 |
| Oct 2013 | 170.1 | 29.1 | 20.6 | 93.9 | 72.0 |
| Nov 2013 | 13.7 | 30.3 | 15.5 | 84.3 | 58.5 |
| Dec 2013 | 0.0 | 30.1 | 13.4 | 81.4 | 64.0 |

\* District Rainfall Data : KSDA,Karwar

\* Temperature and Relative Humidity : Source Weather Station, ARS(Paddy),Sirsi

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 35177 |  |  |
| *Indigenous* | 331751 |  |  |
| **Buffalo** | 118669 |  |  |
| **Sheep** | | | |
| Crossbred |  |  |  |
| *Indigenous* | 2702 |  |  |
| **Goats** | 11994 |  |  |
| **Pigs** |  |  |  |
| *Crossbred* | 67 |  |  |
| *Indigenous* | 833 |  |  |
| **Rabbits** | 277 |  |  |
| **Poultry** | | | |
| Hens | 361351 |  |  |
| *Desi* |  |  |  |
| *Improved* |  |  |  |
| Ducks |  |  |  |
| Turkey and others |  |  |  |

\*Uttara Kannada at a Glance 2011-12 by Statistical Department , Karwar

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish |  | 90588 Tones |  |
| *Marine* |  |  |  |
| *Inland* |  |  |  |
| Prawn |  |  |  |
| Scampi |  |  |  |
| Shrimp |  |  |  |

\*Uttara Kannada at a Glance 2011-12 by Statistical Department , Karwar

* 1. District profile has been Updated for 2013-14 Yes / No: 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 | Sirsi | Banavasi | Naruru  Bashi  Gudnapur  Yedurbail  Yesale  Ajjarani  Kantraji  Santolli  Dasanakoppa  Maragundi  Rangapur  Banavasi  Kenchagadde | 2011-12  2012-13  2013-14 | Paddy  Arecanut  Banana  Maize  Ginger  Black gram  Pineapple  Dairy Farming | * Poor soil fertility * Blast in Paddy * Leaf folders, stem borer, earhead bug in Paddy * Nutrient deficiency * Stem borer in Maize * Root rot in Maize * Water shortage in Summer * Sucking pest in Pulses * Weeds * Panama wilt in Banana | ICM  INM  IPM  Mechanization  Varietal Introduction |
|  |  | Kayigudde | Kaigudde  Kyadigemane | 2013-14 | Arecanut  Blackpepper  Banana , Dairy farming | * Arecanutdrop & splitting * Wilt in Blackpepper | ICM & IDM |
| 2 | Mundagod | Pala | Hugginakere  Kendalagere  Bhadrapur  Kalakoppa  Pala | 2012-13  2013-14 | Paddy, Maize, Mango,Dairy farming | * Hoppers, powdery mildew in Mango * Nutrient deficiency , Pest & disease in maize | ICM |
| 3 | Yellapur | Hosalli | Hosalli, Totadakallalli | 2013-14 | Paddy, Cotton, Arecanut, Cardamom, Blackpepper,Banana  Dairy Farming | * Sucking pests, black arm disease, shoot weevil in Bt. Cotton * High cost of seedling production | IPM |
| 4 | Ankola | Bole | Bole | 2013-14 | Paddy  Groundnut  Water melon | * Poor soil fertility * Poor peg penetration * Leaf miner,spodoptera * Collarrot | ICM |
| 5 | Haliyal | Havagi | Havagi | 2013-14 | Sugarcane  Cotton  Paddy | * Weeds * Arrowing * Lack of awareness on scientific cultivation | Innovative Approach(FPSKRP) |

2.9 Priority thrust areas

|  |  |
| --- | --- |
| S. No | Thrust area |
| 1  2  3  4  5  6  7  8  9  10 | Integrated Crop Management  Integrated Nutrient Management  Integrated Pest Management  Farm Mechanization  Integrated Disease Management  Integrated Weed Management  Soil and Water conservation  Organic Farming  Integrated Farming system  Income Generating activities |

**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** |
| 05 | 05 | 25 | 26 | 14 | 14 | 140 | 143 |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| 135 | 83 | 5480 | 1971 | 485 | 624 | 114850 | 100918 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Qtl.)** | | **Planting materials (Nos.)** | |
| **5** | | **6** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 1185 | - | 3750 | 1047 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Livestock, poultry strains and fingerlings (No.)** | | **Bio-products (Kg)** | |
| **7** | | **8** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
|  |  | - | 200 box |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**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** |
| 01 | Integrated Crop Management | Paddy | Poor Soil Fertility  Blast, Stem borer, Leaf Folder, Earhead bug  Labour scarcity  Water scarcity during summer  Depletion of organic matter | Organic farming practices in paddy | ICM in paddy  Popularization of KMP-105 short duration paddy variety for summer | 25 | 0 | 02 | Field Visit: 46  Diagnostic Visit:08  Exp. Visit : 01  Field Day : 06  Method Demos:02  Campaigns :01  Interface Meeting:01  Group Discussions:01  Radio Talks:02 | MGD 101- 0.75  Abhilash – 2.25  Siri 1253 – 0.75  Sunhemp:1  Diancha:1  KMP105: 3.5 |  |  |  | Azospirillum-14kg  PSB-14kg |
|  |  | Maize | Non adoption of suitable cropping system in paddy fallows | Evaluation of alternate crops during summer season | ICM in Maize | 09 | 0 | 01 | Field Visit: 16  Diagnostic Visits:01  Method Demos:03 |  |  |  |  |  |
|  |  | Cardamom | Poor germination  High cost of seedling production | Production of quality seedlings in cardamom through CMS technology | - | 0 | 0 | 0 | Field Visit: 02  Method Demos: 01 |  |  |  |  |  |
|  |  | Groundnut | Poor peg penetration, poor fertility , poor yield, Spodoptera, Leaf Miner , Collar rot. |  | ICM in groundnut | 03 | 0 | 0 | Field Visit: 10  Diagnostic visits:01 | GPBD-4: 6 qtl |  |  |  | Rhizobium: 2.5 kg |
|  |  | Blackgram | Low yield, poor fertility, sucking pest and powdery mildew |  | ICM in blackgram | 05 | 0 | 0 | Field Visit: 04 | DU1 : 1.2 |  |  |  | Rhizobium: 3 kg  PSB-8kg |
|  |  | Mango | Hoppers, Powdery mildew , Fruit & flower drop |  | ICM in mango | 01 | 0 | 0 | Field Visit: 03  Seminar : 01  Method Demo:01  Campaign : 01 |  |  |  |  |  |
|  |  | Arecanut | Nut splitting, dropping, rootgrub & koleroga |  | ICM in Arecanut | 04 | 0 | 0 | Field Visit: 12  Diagnostic visits:16  Method Demos:02 |  |  |  |  | *Metarrhizium* 100 kg |
|  |  | Sugarcane | Weeds  Arrowing  Lack of awareness on scientific cultivation |  | Farmers Participatory Sugarcane Knowledge Resource Point | 01 | 0 | 0 | Field Visit:04  Field Day : 03 |  | Seedlings Co 86032 : 4000 |  |  |  |
| 02 | Plant Protection | Banana | Panama wilt, Pseudostem weevil | Low cost management of Panama Wilt in Banana |  | 0 | 0 | 0 | Field Visit: 02  Diagnostic visits:17  Method Demos: 06 |  |  |  |  |  |
|  |  | Bt.Cotton | Sucking pests and black arm disease, Flower and square drop |  | ICM in Bt. Cotton | 03 | 0 | 0 | Field Visit: 04  Method Demos: 01 | Bhendi : 0.075qtl |  |  |  |  |
|  |  | Black Pepper | Death of vines due to foot rot |  | Foot rot Management in Black Pepper | 02 | 0 | 01 | Field Visit: 03  Diagnostic visits:01  Method Demos: 02 |  |  |  |  | *Trichoderma* : 12.5 kg |
|  |  | Ginger | Rhizome Rot |  | Management of rhizome rot in ginger | 03 | 0 | 0 | Field Visit: 03  Diagnostic visits:05  Field Day : 01  Method Demos: 01 |  |  |  |  |  |
| 03 | Varietal Introduction | French bean | Lack of commercial cultivation | Introduction of French Bean varieties |  | 0 | 0 | 0 | Field Visit: 03 | Arka anoop : 5 Kg  Arka Sharath : 5 Kg |  |  |  |  |
| 04 | Mechanization | Paddy | Labour scarcity |  | Popularization of mechanized paddy transplanter | 04 | 0 | 0 | Field Visit: 13  Diagnostic visits:01  Field Day : 02  Method Demos: 04 |  |  |  |  |  |
|  |  | Coconut | Labour scarcity & Labour safety |  | Demonstration of safety belts for coconut climbers through machine | 0 | 0 | 0 | Method Demos: 01 |  |  |  |  |  |
| 05 | IFS |  |  |  | Establishment of IFS models | 06 | 0 | 0 | Field Visit: 10  Diagnostic visits:01 |  | Arecanut:1000 | HF Cross Cow:01  Swarnadhara chicks:500  Sheep:02  Local Poultry birds:14 |  |  |

**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** |
| 01 | Production Technology of Field crops | UASD | Paddy,Bt.Cotton, Blackgram, Maize, Sugarcane, Groundnut | 01 | 06 | 27 | Campaign: 01 |
| 02 | Crop diversification | UASD | Maize+cowpea | 01 | 0 | 0 | - |
| 03 | Raising of nursery seedlings | UASD | Cardamom, Blackpepper | 01 | 0 | 0 | Workshop:01 |
| 04 | Production technology of Horticultural Crops | UASD & IIHR Bangalore | Mango, Arecanut | 0 | 02 | 5 | Scientist Farmer Interface Meet:02 |
| 05 | Plant Protection | UASB,UASD | Agricultural and Horticultural crops | 01 | 02 | 18 | Campaign: 02 |
| 06 | Varietal Introduction | UASB & IIHR Bangalore | Frenchbean, Paddy | 01 | 01 | 02 | - |
| 07 | Farm Mechanization | UASD | Paddy, Coconut | 0 | 02 | 04 | Exhibition:01 |
| 08 | IFS | UASD |  | 0 | 01 | 06 |  |
| 09 | Fodder Production | UASD,BAIF | Tree fodder species & Fodder grass | 0 | 0 | 0 | Campaign: 01  Workshop:01 |
| 10 | Scientific LAC Cultivation | IINRG ,Ranchi | LAC | 0 | 0 | 01 | Workshop:01  Exposure visit : 01  Guest lectures : 05 |

**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** |
|  | 9 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17 | 18 | 19 | 20 | 21 | 22 | 23 | 24 |
| **1** | 05 | 0 | 0 | 0 | 67 | 2 | 2 | 3 | 417 | 66 | 134 | 24 | 22 | 18 | 2 | 0 |
| **2** | 05 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3** | 04 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 57 | 16 | 6 | 0 |
| **4** | 05 | 0 | 0 | 0 | 20 | 0 | 3 | 01 | 46 | 12 | 12 | 13 | 118 | 16 | 5 | 0 |
| **5** | 04 | 01 | 0 | 0 | 16 | 02 | 0 | 0 | 336 | 31 | 97 | 28 | 53 | 2 | 9 | 0 |
| **6** | 0 | 0 | 0 | 0 | 12 | 0 | 0 | 0 | 26 | 0 | 01 | 0 | 0 | 0 | 0 | 0 |
| **7** | 0 | 0 | 0 | 0 | 04 | 0 | 0 | 01 | 57 | 10 | 10 | 0 | 500 | 40 | 5 | 5 |
| **8** | 0 | 0 | 0 | 0 | 0 | 0 | 00 | 0 | 27 | 01 | 80 | 9 | 0 | 0 | 0 | 0 |
| **9** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 131 | 22 | 10 | 0 |
| **10** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 14 | 0 | 0 | 0 | 514 | 45 | 13 | 14 |

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

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| 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** |  |  |  |  |  |  |  |  |  |  |

**4.A3. Abstract on the number of technologies assessed 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.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 (Per trial covering all the Technological Options)** |
| Integrated Nutrient Management |  |  |  |  |  |
| Maize+Cowpea | Evaluation of alternate crops during summer season | 05 | 05 | 0.3 |
| Varietal Evaluation | Frenchbean | Introduction of new French bean varieties | 05 | 05 | 0.03 |
|  |  |  |  |  |
| Integrated Pest Management | Banana | Low cost management of Panama wilt in Banana | 05 | 06 | 0.1 |
|  |  |  |  |  |
| Integrated Crop Management | Paddy | Organic farming practices in paddy | 05 | 05 | 0.3 |
|  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
| Seed / Plant production | Cardamom | Production of quality seedlings in cardamom through CMS Technology | 05 | 05 |  |
|  |  |  |  |  |
| Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  | **25** | **26** |  |

**4.B.2. Technologies Refined under various Crops – NIL-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technology assessed** | **No. of trials** | **Number of farmers** | **Area in ha (Per trail covering all the Technological Options)** |
| Integrated Nutrient Management |  |  |  |  |  |
|  |  |  |  |  |
| 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** |  |  |  |  |  |

**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**

**1. Results of On Farm Trial :01**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Paddy | Rainfed | Decrease in organic carbon content | Nutrient Management Through Organic Manures | 5 | 100 % Organic Farming Practices | Yield (q/ha)  No. of Tillers  Cost on Nutrient Management | 60.36  25  1000 | 100 % Organic Farming Practice Recorded lower yield than RPP but higher than Farmers Practice | Nutrient Management is Possible through Organic manures with Lesser cost. but Pest and diseases are not effectively controlled. Sufficient quantity of *Eupatorium* may not be available | -- | -- |

**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** |
| TO1:Varying doses of fertilizers |  | 46.96 | q/ha | 37,729 | 2.06 |
| TO:2 FYM/Compost+RDF | UAS Dharwad | 68.20 | q/ha | 63,415 | 2.50 |
| TO3: 100% Organic Practice | UAS Dharwad | 60.36 | q/ha | 59,319 | 2.72 |

**2. Results of On Farm Trial :02**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Maize + Cowpea | Irrigation | Water shortage during Summer and Soil health loss due to Mono crop of Paddy | Evaluation alternate Cropping System for summer | 5 | Maize + Cow Pea | Yield (q/ha) | On Going |  |  | -- | -- |

**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) |  | On going |  |  |  |
| Technology option 2 | UAS Dharwad | On going |  |  |  |
| Technology option 3 | UAS Dharwad | On going |  |  |  |

**3. Results of On Farm Trial : 03**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| Cardamom |  | Poor quality seedling  High cost of seedling production | Production of quality seedlings in cardamom through CMS | 05 | Closed Media Sachet | No.of Seeds Germinated/100 seeds | 80.8 | Germination is good and Low cost | Farmers Expressed good opinion on germination, and low cost | Nil | Nil |

**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 |
| TO1:Raised Seed Beds | - | 4.5 Seedlings | Per 100 Seeds sown | 37.5 | 2.25 |
| TO2: Raised Seed Beds | UAS Dharwad | 58.6 Seedlings | Per 100 Seeds sown | 834 | 19.5 |
| TO3: CMS | IIHR, Bangalore | 80.8 Seedlings | Per 100 Seeds sown | 1162 | 24.2 |

**4. Results of On Farm Trial : 04**

**Results of On Farm Trial**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| French bean  A.. Varada Belt (Kantraji) | Irrigated | Lack of commercial cultivation | Introduction of new varieties of French bean | 5 | Arka Anoop  Arka Sharath | Germination (%)  No. of Pods/plant  Pod Length (cm) | 80.5, 20.3  22,0  13.06,0 | Arka Anoop has recorded higher Net return. Arka sharat did not survive in water logged area | Expressed good opinion on germination, Yield and Profit of Arka Anoop where as Arka Sharat did not perform well. | - | - |
| B. Santolli | Germination (%)  No. of Pods/plant  Pod Length (cm) | 38.3,78.5  12.3,19.6  12.3,12.5 | Arka sharat has recorded higher Net return. | Arka Sharat performed well compared to Arka Anoop |  |  |

**A. 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)- Local Varieties | - | - |  |  |  |
| Technology option 2- Arka Anoop | IIHR, Bangalore | 15 | t/ha | 3,00,000 | 4.8 |
| Technology option 3- Arka Sharath | IIHR, Bangalore | - | - | - | - |

**A. Contd..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Technology Assessed | Source of Technology | Production | Unit | Net Return (Profit) in Rs. / unit | BC Ratio |
| 13 | 14 | 15 | 16 | 17 | 18 |
| TO1: Local Varieties | - | 6.3 | t/ha | 66000 | 2.1 |
| TO2: Arka Anoop | IIHR, Bangalore | 7.5 | t/ha | 90000 | 2.5 |
| TO:3 Arka Sharath | IIHR, Bangalore | - | - | - | - |

**B. Contd..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Technology Assessed | Source of Technology | Production | Unit | Net Return (Profit) in Rs. / unit | BC Ratio |
| 13 | 14 | 15 | 16 | 17 | 18 |
| TO1: Local Varieties | - | 6.3 | t/ha | 66000 | 2.1 |
| TO2: Arka Anoop | IIHR, Bangalore | 3.6 | t/ha | 12000 | 1.2 |
| TO:3 Arka Sharath | IIHR, Bangalore | 6.5 | t/ha | 70000 | 2.16 |

**5. Results of On Farm Trial : 05**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| Banana | Rainfed | Panama wilt disease | Low cost management of Panama Wilt in Banana | 06 | Pseudo stem injection with 30ml solution (3g carbendazim+3 g COC + 3g boric acid per l of water), 2 times at 30 days interval | No. of Plants affected  % disease  incidence  No.of Plants recovered  % disease control  % incidence in recovered plant | 277  89.4  266  96.5  10.1 |  | Cost effective, | Pseudo stem injection with soil drenching | Since pathogen in soil borne, drenching is essential |

**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 |
| TO 1: Drenching with Carbendazim ( varying concentrations) |  | On going |  |  |  |
| TO 2 : Drenching with Carbendazim 1g /l water | UAS Dharwad | On going |  |  |  |
| TO 3: Pseudo stem injection with 30ml solution (3g carbendazim+3 g COC + 3g boric acid per l of water), 2 times at 30 days interval | Successful demonstration by EEU, Sirsi | On going |  |  |  |

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

details

**OFT -1**

1 Title of Technology Assessed : Nutrient Management in Paddy through Organic Manures

2 Problem Definition : Higher fertilizer and Chemical Cost and Need of Organic farming

3 Details of technologies selected for assessment: Nutrient Management in Paddy through application of

*Eupatorium* as per the Nutrient requirement and Seed treatment and spray of Bio agents and Neem Oil

4 Source of technology : UAS Dharwad

5 Production system and thematic area : Irrigation and Organic Farming (Crop production)

6 Performance of the Technology with performance indicators: 100 % Organic Farming Practice (60.36 q/ha)

recorded lower yield than Recommended Practice ( 68.20 q/ha) but higher than Farmers Practice (46.96

q/ha).

7. Feedback, matrix scoring of various technology parameters done through farmer’s participation / other scoring

techniques: Nutrient Management is Possible through Organic manures with lesser cost but Pest and

diseases are not effectively controlled. Sufficient quantity of *Eupatorium* may not be available to all the

farmers of village

8 Final recommendation for micro level situation: Yet be assessed for two more years

9 Constraints identified and feedback for research : Instead of only *Eupatorium,* it is better study combination of

different green manures for nutrient management. Effective Organic methods for control of pest and disease are

needed

10 Process of farmers participation and their reaction: Method demonstrations , Field visits & training. Crop is

green through out the season. Sufficient quantity of *Eupatorium* may not be available to all the farmers of

village.

**OFT -2**

1 Title of Technology Assessed : Evaluation alternate Cropping System for summer

2 Problem Definition : Water shortage during Summer and Soil health loss due to Mono cropping of Paddy

3 Details of technologies selected for assessment: Inter crop of Maize + Cowpea (1:2) during summer after paddy

4 Source of technology: UAS Dharwad

5 Production system and thematic area : Irrigation and Crop production (Cropping System)

6 Performance of the Technology with performance indicators: On Going

7. Feedback, matrix scoring of various technology parameters done through farmer’s participation / other scoring

techniques: Cow Pea variety C-152 is climbing type and difficult to harvest hence, bushy type of cow pea is

needed

8 Final recommendation for micro level situation: Yet be assessed for one more years

9 Constraints identified and feedback for research : Bushy type Variety of cow pea is to be assessed

10 Process of farmers participation and their reaction: Method demonstrations , Field visits & training.

**OFT-3**

1 Title of Technology Assessed : Production of Quality seedlings in Cardamom through CMS technology

2 Problem Definition : Non availability of quality seedlings and poor germination with higher cost of production

3 Details of technologies selected for assessment : Seedling production through CMS Technology

4 Source of technology : IIHR, Bangalore and refined by UAS D(KVK,Sirsi)

5 Production system and thematic area: Seeds and Seedling production

6 Performance of the Technology with performance indicators: Results Showed that the higher germination (80.8 %) with

100 % Survivablity and higher B:C of 34.0 :1

7. Feedback, matrix scoring of various technology parameters done through farmer’s participation / other scoring

techniques : Expressed good opinion on germination, survivability, cost of production and pest free seedlings

8 Final recommendation for micro level situation: -Seedling Production through CMS Technology

9 Constraints identified and feedback for research: - Nil

10 Process of farmers participation and their reaction: Method demonstration and Field visit and Farmers

expressed good opinion about simple and low cost technology.

**OFT - 4**

1 Title of Technology Assessed : Introduction of new varieties of French bean

2 Problem Definition: Lack of commercial cultivation

3 Details of technologies selected for assessment: Arka Anoop and Arka Sharath

4 Source of technology:IIHR, Bangalore

5 Production system and thematic area: Irrigated and Varietal introduction

6 Performance of the Technology with performance indicators: Arka Anoop has got around 95% germination with 22 pod yield per plant and having yield of 15t/ha

7. Feedback, matrix scoring of various technology parameters done through farmer’s participation / other scoring

Techniques: Farmers expressed good opinion about its germination, yield and pod quality

8 Final recommendation for micro level situation: Needs popularization of the variety

9 Constraints identified and feedback for research: Nil

10 Process of farmers participation and their reaction: Farmers

expressed good opinion about Arka Anoop whereas the performance of Arka Sharath was not so good.

**OFT - 5**

1 Title of Technology Assessed : Low cost management of Panama Wilt in Banana

2 Problem Definition : Panama Wilt

3 Details of technologies selected for assessment : Pseudo stem injection

4 Source of technology : Successful preliminary trials conducted by EEU, Sirsi

5 Production system and thematic area : Irrigated and Plant Protection

6 Performance of the Technology with performance indicators: No. of plant recovered, % disease control, yield

7. Feedback, matrix scoring of various technology parameters done through farmer’s participation / other scoring

techniques : Trainings, method demo, field visits and cost effective

8 Final recommendation for micro level situation : yet to be assessed for two more years

9 Constraints identified and feedback for research : Effectiveness in control, Pseudo stem injection and soil drenching

10 Process of farmers participation and their reaction : Trainings, method demo, field visits

Cost effective

**4.D1. Results of Technologies Refined –NIL-**

**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 |
|  |  |  |  |  |  |  |  |  |  |  |

**Contd..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 |
| 13 |  | 14 | 15 | 16 | 17 |
| Technology Option 1 (best performing Technology Option in assessment) |  |  |  |  |  |
| Technology Option 2 (Modification over Technology Option 1) |  |  |  |  |  |
| Technology Option 3 (Another Modification over Technology Option 1) |  |  |  |  |  |

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

1. Title of Technology refined

2 Problem Definition

3 Details of technologies selected for refinement

4 Source of technology

5 Production system and thematic area

6 Performance of the Technology with performance indicators

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

**PART V - FRONTLINE DEMONSTRATIONS**

**5.A. Summary of FLDs implemented during 2013-14**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | Residual Soil Moisture | Rabi/Summer | Groundnut | GPBD - 4 |  | Crop Production | Integrated Crop Mangement | 4.00 | 4.00 | 0 | 12 | 12 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pulses | Residual Soil Moisture | Rabi/Summer | Blackgram | DU - 1 |  | Crop Production | Integrated Crop Management | 6.00 | 6.00 | 1 | 12 | 13 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cereals | Rainfed | Kharif | Paddy | Abhilash, MGD101, Sirsi 1253 |  | Crop Production | Integrated Crop Mangement | 6.00 | 8.00 | 1 | 18 | 19 | Rainfed |
|  |  | Rainfed | Kharif | Maize |  | CP818 | Crop Production | Integrated Crop Mangement | 6.00 | 6.00 | 3 | 10 | 13 | Rainfed |
|  |  | Limited Irrigation | Rabi/Summer | Paddy | KMP-105 |  | Crop Production | Short duration paddy variety | 4.00 | 5.60 | 1 | 11 | 12 | Limited Irrigation |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit | Rainfed | Rabi/Summer | Mango | Alpanso, Panchami | Mallika | Fruits | Integrated Crop Mangement | 6.00 | 6.00 | 4 | 10 | 14 | Rainfed |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments | Limited Irrigation | Kharif | BlackPepper |  |  | Plant Protection | Integrated Disease Mangement | 225.00 | 225.00 | 0 | 8 | 8 | Limited Irrigation |
|  |  | Irrigated | Kharif | Ginger |  |  | Plant Protection | Integrated Disease Managemen of ginger rhizome rot | 1.00 | 1.00 | 0 | 10 | 10 | Irrigated |
|  | Commercial | Rainfed | Kharif 2013 | Bt. Cotton |  | BG-II | ICM | ICM in Bt. Cotton | 6 | 6 | 0 | 16 | 16 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation | Limited Irrigation | Kharif | Arecanut |  |  | Plantation Crops | Integrated Crop Mangement | 4.00 | 4.00 | 0 | 10 | 10 | Limited Irrigation |
|  |  |  | Summer | coconut |  |  | Farm Implements | Use of safety belts for coconut climbing machines |  |  | 0 | 2 | 2 |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Implements | Rainfed | Kharif | Paddy | Abhilash,MTU1001,Jai Sona |  | Farm Iumplements | Mechanized Paddy Transplanting | 5.00 | 5.00 | 2 | 6 | 8 | Rainfed |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Others (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**5.A. 1. Soil fertility status of FLDs plots during 2013-14**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Category | Farming  Situation | Season  and  Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Season and year | Status of soil(kg/ac) | | | Previous crop grown |
| N | P | K |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds | Residual Soil Moisture | Rabi/Summer  2013-14 | Groundnut | GPBD-4 |  | ICM | ICM in groundnut | Rabi/Summer  2013-14 | 130-210 | 7.0-12.5 | 15.0-45.0 | Paddy |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pulses | Residual Moisture | Summer 2014 | Black gram | DU-1 | - | Crop Production | ICM |  | 110-250 | 8.5-22.5 | 25-61 | Paddy |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cereals | Rain fed | Kharif 2013 | Paddy | Abhilash  MGD-101 & Sirsi-1253 | - | Crop Production | ICM |  | 104-278 | 12-26 | 55-98 | Pulses |
|  |  | Rain fed | Kharif 2013 | Maize |  | CP-818 | Crop Production | ICM |  | 115-210 | 8.5-9 | 45-62 | Fallow |
|  |  | Irrigation | Summer 2014 | Paddy | KMP-105 | - | Crop Production | ICM |  | 104-260 | 11-18 | 36-90 | Paddy |
|  |  | Rain fed | Kharif 2013 | Paddy Transplanting Machine | Abhilash  MTU-1001 | - | Mechanization | Popularization of Paddy transplanting Machine |  | 96.5-110 | 8.5-9.5 | 58.5-61 | Pulses |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Commercial |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation | Rainfed | Kharif , 2013 | Arecanut | Local |  | Production Technology | ICM | Kharif , 2013 | 44-128 | 4.0-19.6 | 12.5-42 | Arecanut |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Groundnut | ICM | GPBD-4 | - | Residual moisture | 12 | 4 | 12.00 | 8.5 | 10.94 | 8.15 | 34.23 | 16250 | 35008 | 18758 | 2.15 | 15600 | 26080 | 10480 | 1.67 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses | ICM in Black gram | DU-1 |  | Residual Moisture | 13 | 6.0 | 12.5 | 6.0 | 8.37 | 5.79 | 44.55 | 12800 | 33480 | 20680 | 2.62 | 11500 | 27800 | 16300 | 2.42 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cereals | ICM in Paddy | Abhilash  MGD-101  Siri-1253 |  | Rainfed | 19 | 8 | 102.60 | 47.50 | 77.42 | 62.66 | 23.56 | 48878 | 119606 | 70728 | 2.45 | 42775 | 97264 | 54489 | 2.28 |
|  | ICM in Maize | CP-818 |  | Rainfed | 13 | 6.0 | 77.5 | 57.75 | 66.31 | 56.9 | 16.54 | 35600 | 97986 | 62386 | 2.75 | 33800 | 84136 | 50336 | 2.49 |
|  | Popularization of KMP-105 Short duration Paddy variety for summer | KMP-105 | - | Irrigation | 12 | 5.6 | Ongoing | | | | | | | | | | | | |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit | ICM in mango | Alphanso, Panchami | Mallika | Rainfed | 15 | 6 | Ongoing | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments | Foot rot Management in Black Pepper | Panniyur-1 | - | Rainfed | 10 | 250 (vines) | 8.3 | 6.9 | 7.8 | 6.5 | 20% | 69620 | 389333.3 | 319713.3 | 5.59 | 67500 | 326666.7 | 259166.7 | 4.83 |
| Ginger | Management of ginger rhizome rot | Himachal | - | Irrigated | 10 | 2 | 128.0 | 95.0 | 115.7 | 73.5 | 36.05% | 184000 | 694000 | 510400 | 3.8 | 175000 | 441000 | 266000.0 | 2.52 |
| Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation | ICM in Arecanut | local |  | Rainfed | 10 | 4.0 | 33.0 | 26.5 | 29.8 | 21.7 | 36.6 | 75600 | 545470 | 469870 | 7.2 | 63270 | 439415 | 376145 | 6.9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre | ICM in *Bt.* Cotton | - | BG-II | Rainfed | 16 | 6 | 23.75 | 20.63 | 19.74 | 15.25 | 29.44 | 26875 | 122388 | 68638 | 4.55 | 23750 | 94550 | 70800 | 3.98 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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.)**

**FLD : ICM in Groundnut**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| No. of good pods/plant | 12.92 | 9.2 |
| % defoliation | 1.75 | 7.6 |
| No of spodoptera moths trapped/trap | 2.88 | - |
| % Leaf spot Incidence | <1% | <1% |

**FLD : ICM in Blackgram**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| No.of pods/plant | **25.7** | **20.6** |
| No. of grains/pod | **8** | **6** |
| Grain wt/Plant(g) | 13.5 | 7.5 |
| % Sucking pest incidence | 87 | 87 |
| % control of sucking pest | 98 | 72 |

**FLD : ICM in Paddy**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Plant Height | **122.04** | **113.68** |
| No. of Tillers | **24.83** | **19.09** |
| Leaf folder incidence (FDL/Hill) | 0.33 | 2.57 |
| Blast incidence | 0 | 10 |
| Stem borer incidence % | 0.87 | 4.23 |
| Ear head Bug incidence | 0.67 | 3.6 |
|  | |  |

**FLD : ICM in Maize**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Plant Height | 172.63 | 159.66 |
| Weed count/m2 | 16 | 128 |
| Weed dry weight(Gm/m2) | 5.6 | 37.37 |
| Weed control efficiency | 85.01 |  |
| Root Rot incidence | 0.35 | 2.25 |
| Stem borer incidence | 2.5 | 15.65 |

**FLD: ICM in Mango**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| No of fruits / inflorescence | 2.9 | 1.3 |
| No. of hoppers/panicle | 6.1 | 10.6 |

**FLD : Footrot management in blackpepper**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| % disease incidence | 0.6 | 22.81 |

**FLD : Management of Ginger Rhizome Rot**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| % disease incidence | 2.18 | 24.12 |

**FLD: ICM in Arecanut**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Number of nut drop/plant | 9.0 | 22.0 |
| % reduction in nut drop | 60 % |  |
| Nut splitting /plant | 7.0 | 18.0 |
| % rootgrub mortality | 63.5 | 42 |

**FLD : ICM in Bt. Cotton**

**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** |
| Aphids /3 leaves | 1.5 | 4.2 |
| Thrips /3 leaves | 0.6 | 1.25 |
| Shoot weevil % | 0.82 | 2.50 |
| Black arm % | 4.50 | 7.25 |

5.B.2. Livestock and related enterprises –NIL-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 –NIL-

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Breed | Name of the technology demonstrated | Breed | No. of Demo | Units/ Area (m2) | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 {m2} | 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.)**

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

5.B.5. Farm implements and machinery

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 Transplanting Expenditure (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 |
| Paddy Transplanter | 2000(Hiring Charges) | Mechanized paddy transplanting | 8 | 5 | 9 | 45 | 80 | 1690 | 40500 | 98280 | 57780 | 2.43 | 41800 | 92386 | 50586 | 2.21 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* 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.)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Local** |
| Yield(q/ha) | 63.70 | 60.01 |
| % increase in Yield | 6.15 |  |
| Plant Height | 119.58 | 111.28 |
| No. of Tillers | 25.28 | 20 |
| Cost of Transplanting | 9560 | 11250 |
| % Save in Transplanting Expenditure | 15.02 % |  |

**5.B.6. Extension and Training activities under FLD**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **No. of activities organised** | **Number of participants** | **Remarks** |
| 1 | Field days | 04 | 262 |  |
| 2 | Farmers Training | 29 | 542 |  |
| 3 | Media coverage |  |  |  |
| 4 | Training for extension functionaries |  |  |  |
| 5 | Others (Please specify) |  |  |  |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS**

**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.. Training of Farmers and Farm Women 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 | 2 | 0 | 0 | 0 | 32 | 8 | 40 | 32 | 8 | 40 |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 17 | 1 | 18 | 0 | 0 | 0 | 17 | 1 | 18 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 1 | 15 | 11 | 26 | 2 | 2 | 4 | 17 | 13 | 30 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Production Technology | 10 | 118 | 43 | 161 | 45 | 4 | 49 | 163 | 47 | 210 |
| Mechanization | 2 | 39 | 5 | 44 | 0 | 0 | 0 | 39 | 5 | 44 |
| **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 | 16 | 4 | 20 | 0 | 0 | 0 | 16 | 4 | 20 |
| 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 | 1 | 47 | 4 | 51 | 0 | 0 | 0 | 47 | 4 | 51 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 | 6 | 159 | 14 | 173 | 24 | 0 | 24 | 183 | 14 | 197 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| LAC Cultivation | 1 | 14 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 14 |
| **Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | 1 | 12 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 0 |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **26** | **437** | **82** | **519** | **103** | **14** | **117** | **540** | **96** | **636** |

**7.B Training of Farmers and Farm Women 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 | 3 | 24 | 8 | 32 | 16 | 14 | 30 | 40 | 22 | 62 |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming | 3 | 27 | 1 | 28 | 18 | 1 | 19 | 45 | 2 | 47 |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 8 | 2 | 10 | 0 | 0 | 0 | 8 | 2 | 10 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 3 | 43 | 0 | 43 | 10 | 0 | 10 | 53 | 0 | 53 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Production Technology | 10 | 133 | 6 | 140 | 83 | 20 | 103 | 216 | 26 | 242 |
| Mechanization | 2 | 18 | 5 | 23 | 10 | 0 | 10 | 28 | 5 | 33 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop | 1 | 0 | 0 | 0 | 12 | 13 | 25 | 12 | 13 | 25 |
| 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 | 10 | 3 | 13 | 0 | 0 | 0 | 10 | 3 | 13 |
| 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 | 2 | 20 | 3 | 23 | 0 | 0 | 0 | 20 | 3 | 23 |
| 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 | 3 | 0 | 0 | 0 | 35 | 16 | 51 | 35 | 16 | 51 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| Use of farm machinery | 1 | 0 | 0 | 0 | 12 | 13 | 25 | 12 | 13 | 25 |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 9 | 94 | 4 | 98 | 66 | 24 | 90 | 160 | 28 | 188 |
| Integrated Disease Management | 3 | 41 | 5 | 46 | 0 | 0 | 0 | 41 | 5 | 46 |
| Bio-control of pests and diseases | 1 | 11 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | 11 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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** | **43** | **429** | **37** | **467** | **262** | **101** | **363** | **691** | **138** | **829** |

**7.C. Training for Rural Youths 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** |
| 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 | 1 | 34 | |  | 34 | 17 |  | 17 | 51 | 0 | 51 |
| 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 |  |  | |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | 2 | 45 | | 16 | 61 | 8 | 2 | 10 | 53 | 18 | 71 |
| Introduction to KVK Activities | 2 | 39 | | 26 | 65 | 0 | 0 | 0 | 39 | 26 | 65 |
| Entrepreneurial development of farmers/youths | 01 | 14 | | 06 | 20 | 0 | 0 | 0 | 14 | 06 | 20 |
| **TOTAL** | **6** | **132** | | **48** | **180** | **25** | **2** | **27** | **157** | **50** | **207** |

**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 | 4 | 161 | | 2 | 163 | 15 | 0 | 15 | 176 | 2 | 178 |
| Integrated Pest Management | 1 | 35 | | 5 | 40 | 7 | 4 | 11 | 42 | 9 | 51 |
| Integrated Nutrient management | 2 | 26 | | 0 | 26 | 24 | 0 | 24 | 50 | 0 | 50 |
| 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 |  |  | |  |  |  |  |  |  |  |  |
| Production Technology |  |  | |  |  |  |  |  |  |  |  |
| **Total** | 7 | 222 | | 7 | 229 | 46 | 4 | 50 | 268 | 11 | 279 |

**7.F. Training programmes for Extension Personnel 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** |
| 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) |  |  | |  | |  |  |  |  |  |  |  |
| **Total** |  |  | |  | |  |  |  |  |  |  |  |

7.G. Sponsored training programmes conducted

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 8 | 190 | 2 | 192 | 10 | 0 | 10 | 200 | 2 | 202 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **8** | **Farm machinery** |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements | 1 | 14 | 6 | 20 | 0 | 0 | 0 | 14 | 6 | 20 |
| 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 (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **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 (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | **Total** | 8 | 204 | 8 | 121 | 10 | 0 | 10 | 214 | 8 | 222 |

**Details of sponsoring agencies involved**

**1.KSDA Karwar**

**2.KSDA Sirsi**

**3.KSDA Haveri**

**4. Coconut Development Board, Bangalore**

**7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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. | 01 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 20 | 20 |
| 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** | **01** | **0** | **20** | **20** | **0** | **0** | **0** | **0** | **20** | **20** |

**PART VIII – EXTENSION ACTIVITIES**

**Extension Programmes (including extension activities undertaken in 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 | 05 | 214 | 40 | 254 | 29 | 11 | 40 | 2 | 0 | 2 |
| Kisan Mela |  |  |  |  |  |  |  |  |  |  |
| Kisan Ghosthi |  |  |  |  |  |  |  |  |  |  |
| Exhibition | 06 | 68025 | 16457 | 84482 | 3125 | 1005 | 4130 | 420 | 525 | 945 |
| Film Show |  |  |  |  |  |  |  |  |  |  |
| Method Demonstrations | 18 | 174 | 26 | 202 | 32 | 17 | 45 | 17 | 0 | 17 |
| Farmers Seminar | 01 | 42 | 12 | 54 | 5 | 0 | 5 | 0 | 0 | 0 |
| Workshop | 03 | 224 | 35 | 224 | 16 | 0 | 16 | 62 | 02 | 64 |
| Group meetings | 05 | 88 | 18 | 106 | 08 | 0 | 08 | 11 | 0 | 11 |
| Lectures delivered as resource persons | 56 | 2977 | 2782 | 5759 | 236 | 290 | 526 | 431 | 216 | 467 |
| Newspaper coverage | 35 |  |  |  |  |  |  |  |  |  |
| Radio talks | 08 |  |  |  |  |  |  |  |  |  |
| TV talks |  |  |  |  |  |  |  |  |  |  |
| Popular articles | 02 |  |  |  |  |  |  |  |  |  |
| Extension Literature | 04 |  |  |  |  |  |  |  |  |  |
| Advisory Services |  |  |  |  |  |  |  |  |  |  |
| Scientific visit to farmers field | 137 | 613 | 12 | 625 | 19 | 0 | 19 | 24 | 01 | 25 |
| Farmers visit to KVK | 268 | 285 | 0 | 285 | 0 | 0 | 0 | 11 | 0 | 11 |
| Diagnostic visits | 61 | 185 | 01 | 186 | 02 | 0 | 02 | 17 | 0 | 17 |
| Exposure visits | 03 | 35 | 06 | 41 | 01 | 0 | 01 | 14 | 0 | 14 |
| 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 : World Water Day | 01 | 65 | 46 | 111 | 0 | 0 | 0 | 7 | 0 | 7 |
| Any Other  Campaigns | 07 | 685 | 991 | 1676 | 44 | 25 | 69 | 95 | 0 | 95 |
| Interface Meeting | 02 | 94 | 16 | 110 | 05 | 0 | 05 | 24 | 0 | 24 |
| Awareness Programme | 02 | 187 | 21 | 208 | 02 | 02 | 04 | 26 | 0 | 26 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total** | **624** | **73893** | **20463** | **94323** | **3524** | **1350** | **4870** | **1161** | **744** | **1725** |

**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) |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |
| Flower crops |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |  |  |
| Fiber crops |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Others (specify) |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

# 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 |  |  |  |  |  |  |
| Vegetable seedlings |  |  |  |  |  |  |
| Fruits |  |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |
| Spices | Nutmeg |  |  | 800 |  |  |
| Tuber |  |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Flowers | Jasmine |  |  | 247 |  |  |
| **Total** |  |  |  |  |  |  |

**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 |  |  |  |  |
| Bio Agents |  |  |  |  |
| IBA | IBA | 200 boxes | 7000 | 45 |
| **Total** |  |  |  |  |

# 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 (Pl. specify) |  |  |  |  |
| **Poultry** |  |  |  |  |
| Broilers |  |  |  |  |
| Layers |  |  |  |  |
| Duals (broiler and layer) |  |  |  |  |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Piggery** |  |  |  |  |
| Piglet |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |
| **Fisheries** |  |  |  |  |
| Fingerlings |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Total** |  |  |  |  |

**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 |  |  |  |
|  | Ternate leaves : an abnormal phyllotaxy in Teak ( *Tectona grandis* L. F.) | Hanumantha, M**.,** Rajesh P. Gunaga, **Roopa S. Patil**, Suma S. Biradar and Nagaraj | Indian Forester, 139 ( 9) : 851-852 |
|  | Phenological variation and Natural Regeneration in *Santalum album* Linn.: Implications for management | Hanumantha, M., Rajesh P. Gunaga, **Roopa S. Patil**, Girish B. Shahapurmathand Nagaraja | Poster paper in International Seminar on “Sandalwood: Current trends and future prospects” held at IISc and IWST, Bangalore during February 26-28, 2014. |
|  | Effect of Organic manures on yield and quality parameters of Onion | PDA,Akkamahadevi D Agasimani and YS | Abstract presented in National Conference on Spices- Recent Advances and Future Strategies held at UAHS,Shivamogga 19-21 Dec 2013 |
|  | Influence of organic manures on growth, yield and economics of onion | PDA,Akkamahadevi D Agasimani and YS | Abstract presented in National Conference on Spices- Recent Advances and Future Strategies held at UAHS,Shivamogga 19-21 Dec 2013 |
| Technical reports |  |  |  |
| News letters |  |  |  |
| Technical bulletins |  |  |  |
| Popular articles |  |  |  |
|  | Aragu Krishi- ondu kiru parichaya | RSP, SSM | Krishi munnade, 29 (8) ; 5-7 |
|  | Belegala samagra roga nirvahane- | MRR and RSP | Krishi munnade, 30 (3) ; 15-18 |
|  | Ashwagandha Krishi | Akkamahadevi Agasimani | Krishi Munnade,26(09) ; 18-19 |
| Extension literature | Aragu Krishi- ondu kiru parichaya | **Roopa S. Patil**, Mitrannavar, D. H., Shivashankaramurthy, M., Akkamahadevi, D. A. and Hanumantha. M | 1000 |
|  | Belegala samagra roga nirvahanege- beejopachara | MRR and RSP | 1000 |
|  | Sassya Tali Rakshane hagu Raitara Hakkugalu Pradhikarada Dyeyoddeshagalu hagu Visheshategalu | SSM,RSP,ADA,PTG | 1000 |
|  | Bhattada Beleya Samagra Nirvahane | Shivashenkarmurthy M, Dr. Roopa S Patil, Dr. Praveen T Goroji, Akkamahadevi D Agasimani | 1000 |
|  |  |  |  |
| Booklets | "Shreshtha Krishika" mattu "Shreshtha Krishi Mahile " hagu "Shreshtha Yuva Krishika " mattu "Shreshtha Yuva Krishi Mahile" | AT Patil, S J K, M J,VUM,UNK, SS, & Akkamahadevi Agasimani | 500 |
|  | "Raita Vignyanigala Krishi Tantrikategalu" | SPH,M.Shivashenkarmurthy, STH,SSN,Roopa S Patil, R B B,S Y W, SSK,KBY & Akkamahadevi Agasimani | 2000 |
| Training Manuals | Uttara Kannada Jilleya Pramukh Krishi Belegala Sudharita Besay Kramagalu | Shivashenkarmurthy M, Dr. Roopa S Patil,Akkamahadevi Agasimani, Dr.Praveen Goroji | 100 |
| **TOTAL** |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD/ Audio-Cassette)** | **Title of the programme** | **Number** |
| 01 | DVD | Kannada Version of PPVFR Act 2011 | 01 |

**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).**

Title : **Sustainable Agriculture Through Integrated Farming System**

- ***A Success Story Of Young Farmer Prasad Rama Hegde***

Prasad Rama Hegde a young farmer is a model farmer for the youth who are migrating towards the cities in search of jobs, instead of generating employement from their protential lands. Prasad has shown that Agriculture is a profitable venture if it is taken as worship. After completion of his Graduation, Prasad wanted to serve the country by joining Indian Army, but somehow his wish was not fulfilled. He continued to study law, then he decided to take Agriculture as venture instead of hunting for the job. His father Rama Hegde and mother Saraswati supported son’s decision and joined hands with him.

He stays in a lonely house along with his parents in dense forests of Kanakodlu village in Yellapur Taluka of Uttara Kannada district in Karnataka. Today he owns 4.38 ac land and has developed all the necessary infrastructure for Scientific Agriculture. Knowing the importance of Integrated Farming System for sustainable income, he is practicing it since 15 years.

To overcome the water scarcity during summer, he has formed 40 pits to harvest rain water in the slope of betta land. Since then, he never faced the water scarcity. His farm pond is ever ready to water the garden and source for fish culture.

He practices Arecanut based multi cropping system with Banana, Black pepper, Coconut, Cardamom, Vanilla, Nutmeg. He has effectively utilized the land by planting mango, cashew, kokum, jackfruit, sapota, bamboo on bunds around the garden. He is also involved in conservation of 12 different traditional mango varieties He has planted nearly 40 types of medicinal plants and also local vegetables for home consumption. He recently planted coffee, cinnamom and agarwood as source for future income. He is practicing apiculture with 40 bee boxes of *Apiscerena* along with *Trigona* colonies.

Mainly he follows organic farming and organic needs are fulfilled by the dairy with four cows and 2 calfs, a vermicompost unit and slurry from the bio gas plant. To overcome the labour scarcity, he has adopted mechanization by using diggers, weeders, automatic sprayers, power weeder etc.

He participates in Agriculture fairs organized by Agriculture Universities, Department and NGO to upgrade his knowledge. He gets technical back stopping from Krishi Vigyan Kendra, Sirsi KSDA, Department of Horticulture, College of Forestry Sirsi and other agribased agencies.

**Impact**

**Cost Economics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Expense(Rs.)** | **Income(Rs.)** | **Net profit(Rs.)** |
| 2009-10 | 1,01,800 | 2,98,900 | 1,97,100 |
| 2010-11 | 1,10,500 | 3,84,000 | 2,73,500 |
| 2011-12 | 1,75,700 | 7,92,200 | 6,16,500 |
| 2012-13 | 1,76,800 | 7,61,800 | 5,85,000 |

**He has been honored with many awards such as :**

* “**KRISHI SADHAKA-2012**” award by ***Sonda Swarnavalli Krishi Pratishthana*** of Sirsi taluk of Uttara Kannada district.
* “**UTTARA KANNADA DISTRICT** **BEST FARMER-2013**” award by ***Agriculture University, Dharwad***.
* Awrad in national agriculture fair conducted by ***Bangalore Agriculture University***.
* “**HASALU SIRI-2006**” award in Jack Fruit Fair organised by ***Kadamba Marketing, Sirsi***.

Many farmers / extension personal regularly visit his field as a model IFS plot. Prasad Rama Hegde’s hard work, dedication has proven Agriculture as profitable venture.

**Address:**

|  |  |  |
| --- | --- | --- |
| Name | : | Prasad Rama Hegde Kanakodlu |
| At | : | Kanakodlu |
| Post | : | Hemmadi |
| Taluk | : | Yellapur-581 402 |
| District | : | Uttara Kannada |
| State |  | Karnataka |
| Phone | : | 08419-257815 |
| Cell | : | 9379138682 |

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

The Uttara Kannada District of Karnataka has a large geographical area. Agriculture is the main occupation. The vast area and remoteness of villages make Transfer of Technology difficult. Sugarcane is one of the commercial crops grown mainly in Haliyal Taluka( 2500ha). The yield levels are very low(30 tones/ac) , due to many production constrains viz.

* Non adoption of Improved production technology
* Non adoption of RDF and Organic Manures
* Delay in planting
* Flowering occurrence
* Lack knowledge and resources
* Improper weed management

Haliyal Taluka is 140 kms away from the KVK headquarter, hence timely technical backstopping from limited scientists of KVK is very difficult .To overcome the above constraints for Transfer of Technology , an innovative strategy was initiated for dissemination of technology.

**Innovation: Establishement of "*Farmers’ Participatory Sugarcane Knowledge and Resource Point* (SKRP)"**

SKRP mainly consists of two concepts lead by farmers under the guidance of KVK

1. Technology Park

2. Resource Point

**Technology park consisting of demonstrations related to Sugarcane production technologies like:**

* SSI Method of cultivation
* Pit method
* Wider row & Paired row spacing
* Drip with Fertigation
* Mulching with Trash
* Weed management Technique
* Jaggery Making
* Compost making
* Sugarcane based inter cropping system
* Ratoon management
* INM & IPM

**And the Resource point is aimed at providing resources needed for scientific sugarcane cultivation, like:**

* Single eyebud seedlings
* Biofertiizers & biofungicides
* Compost cultures
* Seeds & Seedlings for intercropping
* Machines on hiring basis
* Vermicompost & worms

To implement this approach , In Havagi village of Haliyal Taluka , Sugarcane Growers Group was formed and identified suitable farmers to lead the Technology Park and the Resource Point. Accordingly, Shri. J.R.Patil , who is BSc(Ag) graduate and resourceful farmer of the village was identified to lead the Technology Park and Shri. Chetan, Rural Youth is identified to lead the Resource Point.

**Role of KVK**

* Giving Technical guidance to SKRP
* Supplying technical capsules to SKRP
* Conducting Demonstrations/Trials in the farmers field
* Developing Model Demo plot at SKRP

It is also planned to organize exposure visit of members of Sugarcane Growers Group to Tamilnadu for gaining knowledge on advanced production technologies in Sugarcane.

Progress of SKRP :

Following demonstration units have been established in Technology Park:

* SSI Method of cultivation
* Wider row & Paired row spacing
* Drip with Fertigation
* Mulching with Trash
* Weed management Technique
* Compost making
* Sugarcane based inter cropping system
* Ratoon management
* INM & IPM

**Activities carried out under Resource Point:**

* Single eyebud seedling production

Feedback and Response of Farmers & Departmental Officials:

The farmers and Departmental Officials have expressed good opinion on the concept of seeing and carrying the technology developed under SKRP. Farmers suggested to take-up demonstrations on other crops also.

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)

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Crop / Enterprise** | **ITK Practiced** | **Purpose of ITK** |
| 01 | Maize | Fencing with sarees all around the maize field. | To protect the crop from wild bore |
|  |  |  |  |

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

- Identification of courses for farmers/farm women

- Rural Youth

- Inservice personnel

**10.G. Field activities**

i. Number of villages adopted: 02 (Gudnapur, Kantraji)

ii. No. of farm families selected: 10

iii. No. of survey/PRA conducted : 15

**10.H. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab :Functional

1. Year of establishment : 2004

2. List of equipments purchased with amount :

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost |
| 1 | pH meter | 1 | 8,000 |
| 2 | EC meter | 1 | 8,000 |
| 3 | Kjeldhal N distillation Unit | 1 | 1,00,000 |
| 4 | Plant Sample digestion Unit (Kjeldhal) | 1 | 1,00,000 |
| 5a | Distillation Unit (Glass double)-5L / hr | 1 | 10,000 |
| 5b | Distillation Unit (Glass double)-1 L/hr | 2 | 10,000 |
| 6 | Spectrophotometer | 1 | 40,000 |
| 7 | Flame photometer | 1 | 40,000 |
| 8 | Hot Air Ovn | 1 | 20,000 |
| 9 | Willey mill (Plant sample Grinder) | 1 | 25,000 |
| 10 | Hot plate | 1 | 10,000 |
| 11 | Horizantal Shaker | 1 | 15,000 |
| 12 | Weighing Balance (Cap 500 g, Acc 0.1 g) | 1 | 5,000 |
| 13 | Weighing Balance (Cap 100 g, Acc 0.001 g) | 1 | 25,000 |
| 14 | Digital pH meter | 1 | 11500 |
| 15 | EC Bridge | 1 | 10300 |
| Total | | 17 | 4,37,800 |

Details of samples analyzed so far since establishment of SWTL:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 1154 | 786 | 213 | 206783 |
| Water Samples | 222 | 207 | 150 |  |
| Plant samples | - | - | - |  |
| Manure samples | - | - | - |  |
| Others (specify) | 23 | 23 | 23 |  |
| Total |  |  |  |  |

Details of samples analyzed during the 2013-14 :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 317 | 140 | 56 | 56450 |
| Water Samples | 57 | 42 | 42 | 2850 |
| Plant samples |  |  |  |  |
| Manure samples |  |  |  |  |
| Others (specify) |  |  |  |  |
| Total | 374 | 182 | 98 | 59300 |

**10.I. Technology Week celebration during 2013-14 Yes/No, : NO**

**If Yes**

Period of observing Technology Week: From to

Total number of farmers visited :

Total number of agencies involved :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

| **Types of Activities** | **No. of**  **Activities** | **Number of**  **Farmers** | **Related crop/livestock technology** |
| --- | --- | --- | --- |
| Gosthies |  |  |  |
| Lectures organized |  |  |  |
| Exhibition |  |  |  |
| Film show |  |  |  |
| Fair |  |  |  |
| Farm Visit |  |  |  |
| Diagnostic Practical’s |  |  |  |
| 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 |  |  |  |

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

A. Introduction of alternate crops/varieties

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

B. Major area coverage under alternate crops/varieties

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

C. Farmers-scientists interaction on livestock management

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

D. Animal health camps organized

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

E. Seed distribution in drought hit states

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

F. Large scale adoption of resource conservation technologies

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

G. Awareness campaign

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology/skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs./Unit)** | **After (Rs./Unit)** |
| IBA – Root Hormone | 200 | 90% | - | - |
| CMS Technology for plant propagation | 18 | 30% | - | - |
| Metarrhizium for management of arecanut rootgrubs | 135 | 27% | - | - |
| IFS | 260 | 100% |  |  |
| Pseudo stem injection to banana for management of pseudo stem weevil | 05 | 100% | 2.5 lakh/ acre | 3.25 lakh/ acre |
| Foliar spray of propiconazole against banana sheath rot disease | 12 | 100% | 2.25 lakh/ acre | 3.75 lakh/ acre |
| Value addition of minor fruits | 01 | 100% | 2.0 lakhs/annum | 30 lakhs /annum |
| Foliar spray of banana special | 55 | 70 % | 3.0 lakh/ acre | 3.25 lakh/ acre |
| Management of rhizome rot in ginger through integrated approach | 65 | 100% | 2.75 lakh/ac | 9.60 lakh/ac |

**11.B. Cases of large scale adoption**

**Use of entomopathogenic fungi, *Metarrhizium anisopliae*  for thae management of rootgrubs**

**( *Luecopholis lepidophora*) in Arecanut**

Farmers of Uttar Kannada are reluctant to use chemical pesticides for the management of insect pests. They are more inclined towards organic farming. Rootgrub is one of the major production constraint in areca production. Traditionally farmers of this region are using several plant extracts to manage the pest. 36 farmers have adopted the this technology in an area of 50 ha.

**KMP – 105, a short duration Paddy variety for summer season**

Water shortage is the major problem during summer for Paddy crop in and around Varada river belt. In this connection KVK conducted OFT on KMP 105, a short duration paddy variety released by UAS, Bangalore for two years, 2011-12 and 2012-13. During the period of investigation, 8 farmers of Yedurbail village have taken the KMP 105 variety in an area of 12 ac.

**Management of rhizome rot in Ginger**

Rhizome rot is the major disease threatening the ginger production in Banavasi hobli. During 2012-13, KVK in collaboration EEU conducted the FLD on Management of rhizome rot through integrated approach in Gudnapur village. Now, the disease is negligible as all the farmers of Gudnapur have been adopting the integrated practices.

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.**  **NO** | **Problems** | **Extension methods to solve problems** | **Method of Impact study and analysis** | **Impact** | **Impact Indicator** |
| 1 | Pseudo stem weevil in Banana | Diagnostic Field Visit  Individual Contact Method demos  Phone calls, Farmers visit to KVK | Field visit and Observation  Phone calls | Banana crop was completely recovered from the problem | Absence of insect pest. |
| 2 | Panama wilt in Banana | Diagnostic Field Visit  Individual Contact Method demos  Phone calls, Farmers visit to KVK | Field visit and Observation  Phone calls | Banana crop was completely recovered from the problem | Absence of infected plants. |
| 3 | Nut drop in arecanut | FLD, Diagnostic Field Visit along with dept officials,  Individual Contact Method demos, trainings  Phone calls, Farmers visit to KVK | Field visit and Observation  Phone calls | Reduction in nut drop and nut splitting | Yield and feed back |
| 4 | Bud rot in arecanut seedlings | Diagnostic Field Visit  Individual Contact Method demos, Phone calls, Farmers visit to KVK | Phone calls | Complete recovery of areca garden | Healthy seedlings |

**PART XII - LINKAGES**

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

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| BAIF, Institute for rural development | Trainings, field day, field visit, workshop |
| State Dept. of Agriculture | Trainings, demonstrations, seminars and field days. |
| State Dept. of Horticulture | Training programmes, demonstrations, seminars and field days, soil testing |
| Thotagar’s Service Soceity, Sirsi | Trainings, input procurement, seminars. |
| State Dept. of Animal husbandry & Veterinary Sciences | Animal Health Camps, trainings. |
| Grameen Banks | Guidance to beneficiaries about schemes in Trainings |
| Water shed department | Trainings. |
| All India Radio, E-TV, Udaya, Chetan TV and Door Darshan | Publicity and transfer of technology |
| Kadamba charitable trust, Sirsi | Trainings, method demonstration, meetings , Seminars. |
| Snehakunja Charitable Trust, Honnavar | Training & method demonstration. |
| Farmers clubs | Trainings, demonstrations, seminars and field days. |
| Sri Kshetra Dhrmastala Grameenabhivrudhi Yojane (SKDRDP) | Seminar, Field day. |
| SRIJAN NGO | Conducting FLD, Seed Production, Trainings and Field Visit and Field days |
| MANU VIKAS NGO | Field days and Field visits |

**12.B. List Externally Funded Projects / schemes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the scheme/Project** | **Role of KVK** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs. in Lakhs)** |
| Studies on LAC cultivation in Uttara Kananda District | AS Co-PI | Jul-2013 | UASD | 1.41 |
| Bioefficacy of Triazophos 40% EC against paddy pests | AS PI | Jul-2013 | Willowood Chemical Pvt. Ltd. New Delhi | 0.89 |
| Bioefficacy and Phytotoxicity of Aciphate 75% SP against paddy pests | AS PI | Feb-2014 | Willowood Chemical Pvt. Ltd. New Delhi | 0.89 |
| Bioefficacy and Phytotoxicity of Facet herbicide on BLWS and grassy weeds in paddy and subsequent crop | AS PI | Jul-2013 | BASF, Bangalore | 1.80 |
| Empowerment of SC farm house holds in agriculture zones of northern Karnataka | AS Co- PI | Sept-2013 | Dept of Agriculture, Govt of Karnataka | 29.01 |
| Empowerment of ST farm house holds in agriculture zones of northern karnataka | AS Co- PI | Sept-2013 | Dept of Agriculture, Govt of Karnataka | 8.06 |

**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?

* + Training the AES team and district core committee on revisiting SREP, SREP concept, steps in preparation of SREP, collection of primary and secondary data and analysis
  + Conducting PRA
  + Guiding the ATMA staff in SREP preparation
  + Strategic palnning
  + Organising workshops and seminars

**Coordination activities between KVK and ATMA during 2013-14**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Programme** | **Particulars** | **No. of programmes attended by KVK staff** | **No. of programmes Organized by KVK** | **Other remarks (if any)** |
| **01** | **Meetings** | ATMA Advisory committee meeting | **02** |  |  |
| **02** | **Research projects** | Management of earhead bug in summer paddy through bio pesticides |  |  |  |
|  |  | Identification of suitable vegetable varieties during summer for UK district |  |  |  |
|  |  |  |  |  |  |
| **03** | **Training programmes** |  | **01** | **09** |  |
|  |  |  |  |  |  |
| **04** | **Demonstrations** |  |  |  |  |
|  |  |  |  |  |  |
| **05** | **Extension Programmes** |  |  |  |  |
|  | Kisan Mela |  |  |  |  |
|  | Field day |  |  | **01** |  |
|  | Technology Week |  |  |  |  |
|  | Exposure visit |  |  |  |  |
|  | Exhibition |  |  |  |  |
|  | Soil health camps |  |  |  |  |
|  | Animal Health Campaigns |  |  |  |  |
|  | Guest Lectures |  |  | **15** |  |
| **06** | **Publications** |  |  |  |  |
|  | Video Films | Webcasting of Krishi Vasant |  | 03 |  |
|  | Books |  |  |  |  |
|  | Extension Literature | Management of earhead bug in paddy(Kannada) |  | 01 |  |
|  |  |  |  |  |  |
|  | 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** |
| 01 | Demonstration of Banana Special | Demonstration | 18000 | 17700 | 10 Demos were conducted in Banavasi Hobli |
| 02 | Demonstration of Mango special | Demonstration | 18000 | 17700 | 10 Demos were conducted in Pala Hobli |
| 03 | ICM in greengram grown in paddy fallows | Demonstration | 6000 | 4900 | 10 Demos were conducted in Gudnapur & Kantraji villages |
| 04 | Popularization tree fodder species in Uttara Kannada | Campaign | 20000 | 20000 | Conducted campaign on 15.03.2014 at Gaddimane village of Siddapur Taluka. 103 Farmers/EFs participated in the programme |

**12. G Kisan Mobile Advisory Services**

|  |  |  |  |
| --- | --- | --- | --- |
| **Month** | **No. of SMS sent** | **No. of farmers to which SMS was sent** | **No. of feedback / query on SMS sent** |
| **April 2013** | 5 | 500 |  |
| **May** | 03 | 500 |  |
| **June** | 03 | 500 |  |
| **July** | 03 | 500 |  |
| **August** | 01 | 500 |  |
| **September** | 05 | 1800 |  |
| **October** | 02 | 1800 |  |
| **November** | 02 | 1900 |  |
| **December** | 04 | 1900 |  |
| **January 2014** | 04 | 1900 |  |
| **February** | 02 | 1900 |  |
| **March 2014** | 0 | 0 |  |
| **Total for the year 2013-14** | **34** |  |  |

**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.(qtl) | Cost of inputs | Gross income |
| Cereals |  |  |  |  |  |  |  |  |  |
| Paddy | 23.07.2014 | 7.12.2013 | 0.4 | Abhilash | Seeds | 33.8 | 20129 | 42194 |  |
|  |  |  |  |  | Straw | 5 |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |
| Blackgram | 8.2.2014 |  | 0.4 | DU-1 |  |  |  |  | Pod Maturing Stage |
| Oilseeds |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fibers |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Spices & Plantation crops | | | | | | | | | |
| Cashew |  |  | 0.4 |  |  |  |  |  | Harvesting Stage |
| Floriculture |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fruits |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Others (specify) | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

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

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

**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 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**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 2013 | 3 | 3 |  |
| May 2013 | 7 | 13 |  |
| June 2013 | 7 | 28 |  |
| July 2013 | 15 | 63 |  |
| August 2013 | 10 | 92 |  |
| September 2013 | 13 | 25 |  |
| October 2013 | 12 | 37 |  |
| November 2013 | 11 | 27 |  |
| December 2013 | 21 | 48 |  |
| January 2014 | 13 | 60 |  |
| February 2014 | 23 | 286 |  |
| March 2014 | 68 | 191 |  |

**13.F. Database management**

|  |  |  |
| --- | --- | --- |
| **S. No** | **Database target** | **Database created (Excel)** |
| 01 |  | Trainings |
| 02 |  | FLD Details |
| 03 |  | OFT Details |
| 04 |  | Field Visits |
| 05 |  | Method Demonstrations |
| 06 |  | Farmer Visits to KVK |
| 07 |  | Phone Calls |
| 08 |  | Seminars/Workshops Organized |
| 09 |  | Seminars/Trainings/Workshops attended |
| 10 |  | Special Programmes |
| 11 |  | KMAS |
| 12 |  | Guest Lectures |
| 13 |  | Field Days |
| 14 |  | Electronic Media |
| 15 |  | Publications |
| 16 |  | News Paper Coverage |

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | SBI,SIRSI | SIRSI | 917 | Prog. Coordinator,KVK UK | 30157809532 |  | SBIN0000917 |

**14.B. Utilization of KVK funds during the year 2013-14 (Rs. in lakh)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 3881000 | 3881000 | 3873784 |
| 2 | **Traveling allowances** | 135000 | 135000 | 127940 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter | 190000 | 190000 | 189692 |
| *B* | POL, repair of vehicles, tractor and equipments | 185000 | 185000 | 184889 |
| *C* | Meals/refreshment for trainees (@Rs.75/day/trainee for residential and @ Rs.40/day/trainee for non-residential trainings) | 70000 | 70000 | 61572 |
| *D* | Training material (need based materials and equipments for conducting the training) | 35000 | 35000 | 16835 |
| *E* | Frontline demonstration | 500000 | 500000 | 373834 |
| *F* | FLD on special Pulses Programme | 15000 | 15000 |  |
| *G* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 25000 | 25000 | 7843 |
| *H* | Training of extension functionaries | 50000 | 50000 | 14020 |
| *I* | Maintenance of building | 0 | 0 | 46900 |
| *J* | Extension Activities | 5000 | 5000 | 22758 |
| *K* | Farmers' Field School | 50000 | 50000 | 14919 |
| *L* | Library (Purchase of Journal, Periodicals, News Paper and Magazines) | 30000 | 30000 | 4847 |
|  | **TOTAL (A)** | **5170000** | **5170000** | **4939833** |
| **B. Non-Recurring Contingencies** | |  |  |  |
| 1 | **Works** |  |  |  |
| 2 | **Equipments including SWTL & Furniture** |  |  |  |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |  |  |
| 4 | **Library** (Purchase of assets like books & journals) |  |  |  |
| **TOTAL (B)** | |  |  |  |
| **C. REVOLVING FUND** | |  |  |  |
| **GRAND TOTAL (A+B+C)** | | **5170000** | **5170000** | **4939833** |

**14.C. 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 2011 to March 2012 | 1.73557 | 4.20913 | 2.29875 | 3.64595 |
| April 2012 to March 2013 | 3.64595 | 2.91336 | 4.73994 | 1.81937 |
| April 2013 to March 2014 | 1.81937 | 5.55557 | 1.58632 | 5.78862 |

**15. Details of HRD activities attended by KVK staff during 2013-14**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
| Dr.Roopa S Patil | PC(I/C) | Scientific method of LAC Production, Processing and utilization | IINRG,Ranchi | 30-Sep-13 to 5-Oct-13 |
| Shri. Shivashenkarmurthy M | SMS(Agronomy) | Revisiting of SREP | UASD | 15-Jul-13 to 19-Jul-13 |
| Smt. Annapurna Neeralgi | Prog. Asst(computers) | SQL,Visual studio.net, AJAX technologies | UASD | 19-Aug-13 to 31-Aug-13 |
| Shri. Siddappa Kannur | Prog. Asst(Agroforestry) | Sandal based agroforestry models for the farmers of Karnataka & Goa | IWST Bangalore | 6-Jan-14 to 8-Jan-14 |

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

**SUMMARY FOR 2013-14**

# I. TECHNOLOGY ASSESSMENT

**Summary of technologies assessed under various crops**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technology assessed** | **No. of trials** | **Number of farmers** | **Area in ha (Per trial covering all the Technological Options)** |
| Integrated Nutrient Management |  |  |  |  |  |
| Maize+Cowpea | Evaluation of alternate crops during summer season | 05 | 05 | 0.3 |
| Varietal Evaluation | Frenchbean | Introduction of new French bean varieties | 05 | 05 | 0.03 |
|  |  |  |  |  |
| Integrated Pest Management | Banana | Low cost management of Panama wilt in Banana | 05 | 06 | 0.1 |
|  |  |  |  |  |
| Integrated Crop Management | Paddy | Organic farming practices in paddy | 05 | 05 | 0.3 |
|  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
| Seed / Plant production | Cardamom | Production of quality seedlings in cardamom through CMS Technology | 05 | 05 |  |
|  |  |  |  |  |
| Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  | **25** | **26** |  |

**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 -NIL-**

|  |  |  |  |
| --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technology refined** | **No. of trials** |
| Integrated Nutrient Management |  |  |  |
|  |  |  |
| 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** | | |  |

**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**

**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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Groundnut | ICM | GPBD-4 | - | Residual moisture | 12 | 4 | 12.00 | 8.5 | 10.94 | 8.15 | 34.23 | 16250 | 35008 | 18758 | 2.15 | 15600 | 26080 | 10480 | 1.67 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses | ICM in Black gram | DU-1 |  | Residual Moisture | 13 | 6.0 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cereals | ICM in Paddy | Abhilash  MGD-101  Siri-1253 |  | Rainfed | 19 | 8 | 102.60 | 47.50 | 77.42 | 62.66 | 23.56 | 48878 | 119606 | 70728 | 2.45 | 42775 | 97264 | 54489 | 2.28 |
|  | ICM in Maize | CP-818 |  | Rainfed | 13 | 6.0 | 77.5 | 57.75 | 66.31 | 56.9 | 16.54 | 35600 | 97986 | 62386 | 2.75 | 33800 | 84136 | 50336 | 2.49 |
|  | Popularization of KMP-105 Short duration Paddy variety for summer | KMP-105 | - | Irrigation | 12 | 5.6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit | ICM in mango | Alphanso, Panchami | Mallika | Rainfed | 15 | 6 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments | Foot rot Management in Black Pepper | Panniyur-1 | - | Rainfed | 10 | 250 (vines) | 8.3 | 6.9 | 7.8 | 6.5 | 20% | 69620 | 389333.3 | 319713.3 | 5.59 | 67500 | 326666.7 | 259166.7 | 4.83 |
| Ginger | Management of ginger rhizome rot | Himachal | - | Irrigated | 10 | 2 | 128.0 | 95.0 | 115.7 | 73.5 | 36.05% | 184000 | 694000 | 510400 | 3.8 | 175000 | 441000 | 266000.0 | 2.52 |
| Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation | Soil test based fertilizer application | local |  | Rainfed | 10 | 4.0 | 33.0 | 26.5 | 29.8 | 21.7 | 36.6 | 75600 | 545470 | 469870 | 1:7.2 | 63270 | 439415 | 376145 | 1:6.9 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre | ICM in *Bt.* Cotton | - | BG-II | Rainfed | 16 | 6 | 23.75 | 20.63 | 19.74 | 15.25 | 29.44 | 26875 | 122388 | 68638 | 4.55 | 23750 | 94550 | 70800 | 3.98 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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.) | | | |
| Demons  ration | Check |  | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Dairy |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Rabbitry** |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Pigerry** |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Sheep and goat** |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Duckery** |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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

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.) | | | |
| Demons  ration | Check |  | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Common carps |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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

Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | | | |
| Demons  ration | Check |  | | Demons  ration | 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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| 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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 Transplanting Expenditure (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 |
| Paddy Transplanter | 2000(Hiring Charges) | Mechanized paddy transplanting | 8 | 5 | 9 | 45 | 80 | 15% | 40500 | 98280 | 57780 | 2.43 | 41800 | 92386 | 50586 | 2.21 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Other enterprises**

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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

**PART VII. TRAINING**

**7.A.. Training of Farmers and Farm Women 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 | 2 | 0 | 0 | 0 | 32 | 8 | 40 | 32 | 8 | 40 |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 17 | 1 | 18 | 0 | 0 | 0 | 17 | 1 | 18 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 1 | 15 | 11 | 26 | 2 | 2 | 4 | 17 | 13 | 30 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Production Technology | 10 | 118 | 43 | 161 | 45 | 4 | 49 | 163 | 47 | 210 |
| Mechanization | 2 | 39 | 5 | 44 | 0 | 0 | 0 | 39 | 5 | 44 |
| **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 | 16 | 4 | 20 | 0 | 0 | 0 | 16 | 4 | 20 |
| 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 | 1 | 47 | 4 | 51 | 0 | 0 | 0 | 47 | 4 | 51 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 | 6 | 159 | 14 | 173 | 24 | 0 | 24 | 183 | 14 | 197 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| LAC Cultivation | 1 | 14 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 14 |
| **Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | 1 | 12 | 0 | 0 | 0 | 1 | 12 | 0 | 0 | 0 |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **26** | **437** | **82** | **519** | **103** | **14** | **117** | **540** | **96** | **636** |

**7.B Training of Farmers and Farm Women 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 | 3 | 24 | 8 | 32 | 16 | 14 | 30 | 40 | 22 | 62 |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming | 3 | 27 | 1 | 28 | 18 | 1 | 19 | 45 | 2 | 47 |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 8 | 2 | 10 | 0 | 0 | 0 | 8 | 2 | 10 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 3 | 43 | 0 | 43 | 10 | 0 | 10 | 53 | 0 | 53 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Production Technology | 11 | 134 | 6 | 140 | 93 | 20 | 113 | 227 | 26 | 253 |
| Mechanization | 1 | 17 | 5 | 22 | 0 | 0 | 0 | 17 | 5 | 22 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop | 1 | 0 | 0 | 0 | 12 | 13 | 25 | 12 | 13 | 25 |
| 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 | 10 | 3 | 13 | 0 | 0 | 0 | 10 | 3 | 13 |
| 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 | 1 | 20 | 3 | 23 | 0 | 0 | 0 | 20 | 3 | 23 |
| 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 | 3 | 0 | 0 | 0 | 35 | 16 | 51 | 35 | 16 | 51 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| Use of farm machinery | 1 | 0 | 0 | 0 | 12 | 13 | 25 | 12 | 13 | 25 |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 9 | 94 | 4 | 98 | 66 | 24 | 90 | 160 | 28 | 188 |
| Integrated Disease Management | 3 | 41 | 5 | 46 | 0 | 0 | 0 | 41 | 5 | 46 |
| Bio-control of pests and diseases | 1 | 11 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | 11 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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** | **41** | **429** | **37** | **466** | **262** | **101** | **363** | **691** | **138** | **829** |

**7.C. Training for Rural Youths 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** |
| 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 | 1 | 34 | |  | 34 | 17 |  | 17 | 51 | 0 | 51 |
| 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 |  |  | |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | 2 | 45 | | 16 | 61 | 8 | 2 | 10 | 53 | 18 | 71 |
| Introduction to KVK Activities | 2 | 39 | | 26 | 65 | 0 | 0 | 0 | 39 | 26 | 65 |
| **TOTAL** | **5** | **118** | | **42** | **160** | **25** | **2** | **27** | **143** | **44** | **187** |

**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 | 4 | 161 | | 2 | 163 | 15 | 0 | 15 | 176 | 2 | 178 |
| Integrated Pest Management | 1 | 35 | | 5 | 40 | 7 | 4 | 11 | 42 | 9 | 51 |
| Integrated Nutrient management | 2 | 26 | | 0 | 26 | 24 | 0 | 24 | 50 | 0 | 50 |
| 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 |  |  | |  |  |  |  |  |  |  |  |
| Production Technology |  |  | |  |  |  |  |  |  |  |  |
| **Total** | 7 | 222 | | 7 | 229 | 46 | 4 | 50 | 268 | 11 | 279 |

**7.F. Training programmes for Extension Personnel 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** |
| 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) |  |  | |  | |  |  |  |  |  |  |  |
| **Total** |  |  | |  | |  |  |  |  |  |  |  |

7.G. Sponsored training programmes conducted

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 8 | 190 | 2 | 192 | 10 | 0 | 10 | 200 | 2 | 202 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **8** | **Farm machinery** |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements | 1 | 14 | 6 | 20 | 0 | 0 | 0 | 14 | 6 | 20 |
| 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 (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **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 (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | **Total** | 8 | 204 | 8 | 121 | 10 | 0 | 10 | 214 | 8 | 222 |

**Details of sponsoring agencies involved**

**1.KSDA Karwar**

**2.KSDA Sirsi**

**3.KSDA Haveri**

**4. Coconut Development Board, Bangalore**

**7.H. Details of Vocational Training Programmes carried out by KVKs for rural youth**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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. | 01 | 0 | 20 | 20 | 0 | 0 | 0 | 0 | 20 | 20 |
| 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** | **01** | **0** | **20** | **20** | **0** | **0** | **0** | **0** | **20** | **20** |

V. Extension Programmes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Activities** | **No. of programmes** | **No. of farmers** | **No. of Extension Personnel** | **TOTAL** |
| Advisory Services |  |  |  |  |
| Diagnostic visits | 61 | 188 | 17 | 205 |
| Field Day | 5 | 294 | 02 | 296 |
| Group discussions | 5 | 114 | 11 | 125 |
| Kisan Ghosthi |  |  |  |  |
| Film Show |  |  |  |  |
| Self -help groups |  |  |  |  |
| Kisan Mela |  |  |  |  |
| Exhibition | 6 | 88612 | 945 | 89557 |
| Scientists' visit to farmers field | 137 | 644 | 25 | 669 |
| Plant/animal health camps |  |  |  |  |
| Farm Science Club |  |  |  |  |
| Ex-trainees Sammelan |  |  |  |  |
| Farmers' seminar/workshop | 3 | 240 | 64 | 304 |
| Method Demonstrations | 18 | 247 | 17 | 264 |
| Celebration of important days |  |  |  |  |
| Special day celebration | 01 | 240 | 64 | 304 |
| Exposure visits | 03 | 42 | 14 | 56 |
| Others : Guest Lectures | 56 | 6285 | 467 | 6752 |
| Campaign | 7 | 1745 | 95 | 1840 |
| **Total** | **302** | **98651** | **1721** | **100372** |

Details of other extension programmes

|  |  |
| --- | --- |
| **Particulars** | **Number** |
| Electronic Media |  |
| Extension Literature | 04 |
| News Letter | 03 |
| News paper coverage | 35 |
| Technical Articles |  |
| Technical Bulletins |  |
| Technical Reports |  |
| Radio Talks | 8 |
| TV Talks |  |
| Animal health amps (Number of animals treated) |  |
| Others (pl.specify) |  |
| **Total** |  |

**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 |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |
| Pulses |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |
| Vegetables |  |  |  |  |  |
| Flower crops |  |  |  |  |  |
| Spices |  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |  |
| Fiber crops |  |  |  |  |  |
| Forest Species |  |  |  |  |  |
| Others |  |  |  |  |  |
| **Total** |  |  |  |  |  |

# 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 |  |  |  |  |  |
| Spices | 800 |  |  |  |  |
| Tuber |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |
| Forest Species |  |  |  |  |  |
| Flowers | 247 |  |  |  |  |
| **Total** | **1047** |  |  |  |  |

**Production of Bio-Products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bio Products** | **Name of the bio-product** | **Quantity** | **Value (Rs.)** | **No. of Farmers** |
| **Kg** |
| Bio Fertilizers |  |  |  |  |
| Bio-pesticide |  |  |  |  |
| Bio-fungicide |  |  |  |  |
| Bio Agents |  |  |  |  |
| IBA | IBA | 200 boxes | 7000 | 45 |
| **Total** |  |  |  |  |

# 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 (Pl. specify) |  |  |  |  |
| **Poultry** |  |  |  |  |
| Broilers |  |  |  |  |
| Layers |  |  |  |  |
| Duals (broiler and layer) |  |  |  |  |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Piggery** |  |  |  |  |
| Piglet |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |
| **Fisheries** |  |  |  |  |
| Fingerlings |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Total** |  |  |  |  |

**VII. DETAILS OF SOIL, WATER AND PLANT ANALYSIS 2013-14**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 317 | 140 | 56 | 56450 |
| Water Samples | 57 | 42 | 42 | 2850 |
| Plant samples |  |  |  |  |
| Manure samples |  |  |  |  |
| Others (specify) |  |  |  |  |
| Total | 374 | 182 | 98 | 59300 |

VIII. SCIENTIFIC ADVISORY COMMITTEE

|  |
| --- |
| **Number of SACs conducted** |
| 01 |

**IX. NEWSLETTER**

|  |
| --- |
| **Number of issues of newsletter published** |
| 1. April-Septeber 2013  2. October-December 2013  3. January-March 2014 |

**X. RESEARCH PAPER PUBLISHED**

|  |
| --- |
| **Number of research paper published** |
|  |

**XI. DETAILS ON RAIN WATER HARVESTING STRUCTURE AND MICRO-IRRIGATION SYSTEM**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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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