**ANNUAL REPORT 2015-16**

**(FOR THE PERIOD APRIL 2015 TO MARCH 2016)**

KRISHI VIGYAN KENDRA (UTTARA KANNADA)

**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. Manjappa K. | - | 9448495345 | manjappasirsi@gmail.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.Manjappa K. | Programme  Coordinator | M | Agronomy | Ph.D | 37400-67000 AGP 10000 | 57080 | 3.2.2015 | p | GM |
| 2 | Scientist | Dr (Mrs) Roopa S. Patil | SMS | F | Agricultural Entomology | Ph.D (Agril. Entomology) | 15600-39100+6000( AGP) | 26600 | 3.12.2008 | P | GM |
| 3 | Scientist | Shri Shivashenkaramurthy M. | SMS | M | Agronomy | M.Sc (Agronomy) | 15600-39100 +6000(AGP) | 22250 | 28.11.2011 | P | SC |
| 4 | Scientist | Dr. Akkamahadevi D Agasimani | SMS | F | Horticulture | Ph. D (Horticulture) | 15600-39100 +6000(AGP) | 21600 | 14.12.2012 | P | CAT-2 |
| 5 | Scientist | Vacant | SMS | M | Animal Science | - | - |  |  |  |  |
| 6 | Scientist | Vacant |  |  | Home science |  |  |  |  |  |  |
| 7 | Scientist | Vacant |  |  | Agroforestry |  |  |  |  |  |  |
| 8 | Programme Assistant | Siddappa Kannur | Prg. Asst | M | Forestry | M.Sc(Forestry) | 15600-39100 +6000(AGP) | 9300 | 2.08.2013 | P | GM |
| 9 | Programme Assistant (Computer) | Mrs. Annapurna F. Neeralgi | Programme Asst. (Computer) | F | Computer Science | M.Sc(Comp) | 9300-34800 + 4200 GP | 15210 | 29.03.2010 | P | SC |
| 10 | 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 | Smt. Sumalatha P. | Assistant | F | - | - | 16000-29600 | 16000 |  | P | SC |
| 12 | Jr. Stenographer | Miss Purnima K. Hirehal | Typist | F | - | - | 16000-29600 | 17650 | 12.11.2009 | P | ST |
| 13 | Driver | Mr. Santosh | Driver | M | - | - | 11600-21000 | 12500 | 06.10.2009 | P | GM |
| 14 | Driver |  |  |  |  |  |  |  |  |  |  |
| 15 | Supporting staff | Mr. H.A. Nadaf | Cook cum care taker | M | - | - | 10400-16400 | 11600 | 02.08.2007 | P | CAT-1 |
| 16 | Supporting staff | Vacant |  |  |  |  |  |  |  |  |  |

**1.6. Total land with KVK (in ha) : 6.4 ha**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 0.4 |
| 2. | Under Demonstration Units |
| 3. | Under Crops | 4.8 |
| 4. | Orchard/Agro-forestry | 0.8 |
| 5. | Others(Uncultivable) | 0.4 |

**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. Dairy |  |  |  |  |  |  |  |
|  | 2. Vemicompost |  |  |  |  |  |  |  |
|  | 3.Azolla |  |  |  |  |  |  |  |
|  | 4. Fodder |  |  |  |  |  |  |  |
| 5 | Fencing |  |  |  |  |  |  |  |
| 6 | Rain Water harvesting system |  |  |  |  |  |  |  |
| 7 | Threshing floor : |  |  |  |  |  |  |  |
| 8 | Farm godown |  |  |  |  |  |  |  |

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 | -  21836 | Good  Good |
| Toyota Qualis Jeep  KA 31M 2652 | 2004 | 5,00,000.00 | 250834 | Good |
| Power Tiller | 2011 | 145950.00 | 169.00 | Good |
| HMT Tractor  KA-31 T-2445  Trailor  KA-31 T-2446 | 2011 | 357863.81  114285.72 | 349.50 | 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/- | " |
| Printer | July-2014 | 18500 | " |
| Projector | July-2014 | 45000 | " |
| Digital copier | July-2014 | 162518 | " |
| UPS 650 VA | September 2014 | 1600 | " |
| Iball baton Model | December - 2014 | 2150 | " |
| UPS 1.5 KV | January 2015 | 31122 | " |
| Portable bag sticher | December 2014 | 4800 | " |
| Biometric | January 2015 | 14533 | " |
| Laser Printer | January 2015 | 8600 | " |
| Laser Printer | March 2015 | 8600 | " |
| UPS 650 VA | March 2015 | 2250 | " |

**1.8. A). Details SAC meeting conducted in 2009-10**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Date** | **Number of Participants** | **No. of absentees** | **Salient Recommendations** | **Action taken** |
| 1. | 07.09.2015 | 34 | 10 | Efforts should be made to establish custom hiring centres at ARS, Kumta and ARS Malagi in collaboration with UAS, Dwd and Dept of Agriculture. | Not yet initialized. |
|  |  |  |  | Allocation of funds by NABARD for the release of Bi monthly newsletter of KVK, Sirsi with a request to send a proposal for the same | As e-newsletters were prepared, printing expense was minimized.  Hence no Financial Assistance was sought from NABARD |
|  |  |  |  | Sending a proposal to Director, ATARI, Bangalore for construction of Administrative building | Proposal for construction of administrative building was sent to Director ATARI vide ltr No. KVK/UK/administrative Building/523/2015-16 Dtd. 29.02.2016 |
|  |  |  |  | Field visit to be undertaken in case of incidence of army worm | Incidence of army worm in paddy was not observed. |
|  |  |  |  | To take the trainees for field visit to the Farm of Shri Gopalachar Badiger a successful IFS, Farmer | During Kharif 2016-17 the exposure visit will be made |
|  |  |  |  | To conduct On Farm Trials for management of wilt in pachouli | Pachouli is grown in Siddapur tq. in an area of 50 ha. No incidence of wilting was observed in patchouli. Hence no OFTs are proposed for wilt management in pachouli. |
|  |  |  |  | Conducting Programmes in collaboration with Gyan Jyothi Literacy Centre. | Guest lecturers from resource persons from Gyan Jyothi Literacy Centre were arranged during:  Bhoochetana Training Programme  Pre rabi workshop  Kisan Mela: Pradhan Mantri Fasal Beema Yojana |
|  |  |  |  | Organizing training programmes on preparation of Homemade chocolates and Value addition | Scientist(Home Science) has recently joined , the activities on Home Made chocolate will be organized during 2016-17 |
|  |  |  |  | Providing market to agricultural products by Kadamba Marketing  Co operative Ltd, Sirsi | Farmers are guided to sell their products and agri/horti produces through Kadamba Marketing Co-operative Society. |
|  |  |  |  | Organizing demonstrations to control and manage stem borer in Ginger | OFT (5 trials) on Ginger Shoot Borer management was taken during Kharif 2015-16 in Banavasi Hobli. The Ginger Shoot borer problem was effectively managed. |
|  |  |  |  | Encouraging farmers and SHG members to take up Mushroom cultivation | Will be taken during 2016-17 |
|  |  |  |  | Organizing income generating activities for Self Help Groups through financial assistance of NABARD | Will be planned during 2016-17 |
|  |  |  |  | Encouraging Integrated Farming System | IFS is being promoted through training programmes and other extension activitie. |
|  |  |  |  | Organizing Training Programme on Bee Keeping | * Training programme on Bee Keeping was organized on at Kibballi village of Siddapur Tq. 23.12.2016 in collaboration with KSDA, Siddapur Nearly 48 Bee keeper from Siddapur Taluka participated in the event.   During the event following activities were done  1. Distribution of Honey bee boxes to the farmers under Savayava Bhagya Yojane" by Scodways  2. Film show on Bee keeping practices and behavior of honey bees  3 Farmer Scientist Interaction  4. Demonstration of Bee keeping practices  5. Guest lectures on Apiculture,Paddy and Major horticultural crops   * Bee keepers of the district are nominated for participation in the Conference of Bee Keeper organized at UHS, Bagalkot and Jenu Habba organized by KVK,Gangavati. |
|  |  |  |  | Value addition of Dairy Products | Not done |
|  |  |  |  | Filling up of the Vacant Posts at KVK as there is paucity of Staff | Scientist(Home Science)  Scientist(Agro forestry) Joined on 5.5.2016. |
|  |  |  |  | Documentation of Success stories and Uploading the same on Website of KVK | Uploaded |
|  |  |  |  | Updating of Database of KVK from time to time | Regularly, activities of KVK are updated to Database. |

**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 | Hill Zone  Rainfall : 2500 mm  Soils : sandy loam, laterite, clay loam & medium black  Major crops : Paddy, Maize & pulses cotton, arecanut based mixed crops of spices. |
| 2 | Zone – 10 | Coastal Zone  Rainfall : 3500 mm.  Soils : Sandy soils, laterite, costal alluvial, sandy loam.  Major crops :  paddy, groundnut, pulses and arecanut based cropping system. |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1 | Coastal ecosystem | High to very high rainfall more than 3500 mm, hot and humidity climate with highly leached sandy soils with low & high pH (Sodium salts). |
| 2 | Hill zone ecosystem | Rainfall ranges from 2500 to 3000 mm, with valleys and low hills. Major area covered is forest and dominated by laterite soils. |
| 3 | Transitional ecosystem | Rainfall ranges from 800-1500 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 (tons) | Productivity (kg /ha) |
| 1 | Paddy | 67216 | 201781 | 3160 |
| 2 | Maize | 5509 | 16052 | 3067 |
| 3 | Maize | 5509 | 16052 | 3067 |
| 4 | Blackgram | 362 | 184 | 535 |
| 5 | Greengram | 582 | 183 | 330 |
| 6 | Groundnut | 2103 | 2907 | 1456 |
| 7 | Cotton (Bales) | 902 | 927 | 184 |
| 8 | Sugarcane | 6182 | 340630 | 58(tons/ha) |
| 9 | Arecanut | 17912 | 43864.88 | 2450 |
| 10 | Coconut (lakh nuts) | 7784 | 1365 | 0.18 (lakh nuts) |
| 12 | Blackpepper | 774 | 325 | 420 |
| 13 | Ginger | 372 | 9672 | 2600 |
| 14 | Cardamom | 528 | 132 | 250 |
| 15 | Cashew | 3380 | 7364 | 2182 |
| 16 | Banana | 2911 | 90297 | 31020 |
| 17 | Mango | 2514 | 46540 | 18510 |
| 18 | Pineapple | 441 | 32820 | 74420 |

Source : \* Uttara Kannada at a Glance 2014-15 by Statistical Department , Karwar (Agriculture crops) \* Office of DDH, Dept. of Horticulture, Sirsi (Horticulture crops) 2014-15

2.5. Weather data

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
|  | Maximum | Minimum | Morning | Evening |
| Jan 2014 | 1.93 | 29.6 | 12.7 | 84.0 | 43.0 |
| Feb 2014 | 0.00 | 32.4 | 14.0 | 82.0 | 33.0 |
| March 2014 | 27.77 | 33.7 | 19.0 | 89.8 | 64.0 |
| April 2014 | 16.85 | 34.1 | 19.9 | 92.4 | 75.7 |
| May 2014 | 98.03 | 33.3 | 21.3 | 87.1 | 68.0 |
| June 2014 | 683.55 | 29.0 | 20.9 | 88.5 | 82.5 |
| July 2014 | 561.91 | 27.3 | 21.8 | 87.5 | 84.7 |
| August 2014 | 444.45 | 27.1 | 21.1 | 89.0 | 83.4 |
| Sept 2014 | 261.65 | 28.6 | 20.9 | 90.5 | 76.8 |
| Oct 2014 | 95.40 | 31.0 | 19.7 | 88.5 | 67.8 |
| Nov 2014 | 43.87 | 29.8 | 18.6 | 84.8 | 68.0 |
| Dec 2014 | 1.47 | 31.3 | 16.5 | 88.3 | 67.1 |

\* District Rainfall Data : KSDA,Karwar , \* Temperature and Relative Humidity : Source Weather Station, KVK,Sirsi

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 47167 | 448 thousand ltrs |  |
| *Indigenous* | 289788 |  |
| **Buffalo** | 87816 |  |
| **Sheep** | | | |
| Crossbred | **234** |  |  |
| *Indigenous* | 4549 | 267 tonnes (Meat) |  |
| **Goats** | 8961 |  |
| **Pigs** |  |  |  |
| *Crossbred* |  |  |  |
| *Indigenous* | 1491 |  |  |
| **Rabbits** | 508 |  |  |
| **Poultry** | | | |
| Hens | 537037 | 845 lakh eggs |  |
| *Desi* |  |  |  |
| *Improved* |  |  |  |
| Ducks |  |  |  |
| Turkey and others |  |  |  |

\*Uttara Kannada at a Glance 2013-14 by Statistical Department , Karwar

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish |  | 68929.87 Tones |  |
| *Marine* |  |  |  |
| *Inland* |  |  |  |
| Prawn |  |  |  |
| Scampi |  |  |  |
| Shrimp |  |  |  |

\*Uttara Kannada at a Glance 2014-15 by Statistical Department , Karwar

* 1. District profile has been Updated for 2013-14 Yes / No: Yes

**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** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Sirsi | Banavasi | Gudnapur, Yedurbail Ajjarani,Kantraji, Banavasi, Kenchagadde, Kabbe, Kalli, Bengale, Gadageri, Kanakoppa, Halasinakoppa, Byagadde | 2011-12  2012-13  2013-14  2014-15  2015-16 | Paddy  Banana  Maize  Ginger  Black gram  Pineapple  China Aster | * Poor soil fertility * Blast in Paddy * Leaf folders, stem borer, ear head bug in Paddy * Nutrient deficiency * Water shortage in Summer * Sucking pest in Pulses * Weeds | ICM  INM  IPM  Varietal Introduction |
|  |  | Kaigudde | Kyadigemane | 2013-14  2014-15  2015-16 | Arecanut  Black pepper  Banana , Dairy farming | * Areca nut drop & splitting * Wilt in Black pepper | ICM & IDM |
| 2 | Mundagod | Malagi | Hirehalli, Pala, Bhadrapur, Malagi, Naginakere, Arishinagere, Kalakoppa, Choudalli, Teginakoppa | 2012-13  2013-14  2014-15  2015-16 | Paddy  Maize  Black gram  Sheme bamboo | * Labour scarcity for paddy transplanting * Stem borer in Maize * Root rot in Maize * Nutrient deficiency , Pest & disease in maize * Fallow bunds | ICM in Black gram,  Sheme bamboo on bunds |
| 3 | Yellapur | Manchikeri | Hitlalli,Itaguli, Manchikeri | 2014-15  2015-16 | Paddy, Black gram | * Blast in Paddy * Leaf folders, stem borer, ear head bug in Paddy * Nutrient deficiency * Sucking pest in Pulses | ICM |
| 4 | Ankola | Ankola | Shiragunji | 2013-14  2014-15  2015-16 | Groundnut | * Poor soil fertility * Poor peg penetration * Leaf miner, spodoptera | ICM |
| 5 | Kumta | Holanagadde | Holanagadde, Deevalli | 2012-13  2013-14  2014-15  2015-16 | Groundnut | * Poor soil fertility * Poor peg penetration * Leaf miner, spodoptera | ICM |
| 5 | Siddapur | Kanagod | Kodagadde. Hosamanju, Malavatti, Malenhalli, Itagi, Gattikai, Tyagali | 2014-15  2015-16 | Arecanut, Banana, Paddy, Pulses | * Poor soil fertility, Nutrient deficiency ,Stem borer, Root rot in Maize, Mango hoppers, Flower and fruit drop in Mango | ICM |
| 6 | Honnavar | Haladipur | Haladipur, Kasarakod | 2014-15  2015-16 | Groundnut | * Poor soil fertility, Nutrient deficiency ,Stem borer, Root rot in Maize, Mango hoppers, Flower and fruit drop in Mango | ICM |

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** |
| 04 | 04 | 26 | 26 | 15 | 14 | 176 | 174 |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| 140 | 25 | 3415 | 1112 | 327 | 623 | 107560 | 307491 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Qtl.)** | | **Planting materials (Nos.)** | |
| **5** | | **6** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 100 | 277 | 9000 | 1001 |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Livestock, poultry strains and fingerlings (No.)** | | **Bio-products (Kg)** | |
| **7** | | **8** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
|  |  | 5 kg | 3.39 kg |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**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 | Water scarcity during summer  Poor Soil Fertility  Blast, Stem borer, Leaf Folder, Earhead bug  Depletion of organic matter | KMP 105 short duration paddy variety as a contingent crop plan for late Kharif | ICM in Paddy (PSB-68) in low lands of Uttara  Kannada District  Organic Farming practices in paddy | 01 |  | 01 | FV: 31  FD: 02  GL : 19 | KMP: 0.7  Diancha: 1.5  PSB: 3.75 | - | - | - | - |
|  |  | Maize | Water shortage, depleting organic carbon, |  | ICM in Maize | - | - | 01 | FV: 7  GL: 11 | - | - | - | - | - |
|  |  | Groundnut | Poor peg penetration, poor fertility , poor yield, Spodoptera, Leaf Miner , Collar rot. |  | ICM in groundnut | - | - | - | FV: 03 | Gw-52 : 1.35 | - | - | - | Rhizobium: 3  PSB: 3  Trichoderma: 1.5  N.releyi: 1.5 |
|  |  | Blackgram | Low yield, poor fertility, sucking pest and powdery mildew |  | ICM in blackgram | - | - | - | FV: 12  GL: 15  FD: 02 | DU-1: 4.6 | - | - | - | Rhizobium: 29  PSB: 29  Trichoderma: 26 |
|  |  | Greengram | Low yield, poor fertility, sucking pest and powdery mildew |  | ICM in greengram | - | - | - | FV: 7  FD: 02  GL 5 | DGGV-2: 3.1 | - | - | - | PSB: 25 |
|  |  | Arecanut | Nut splitting, dropping, rootgrub & koleroga |  | ICM in Arecanut | 03 | - | - | FV: 34  GL: 08 | - | - | - | - | Metarhizium : 36 |
|  |  | Mango | Flower drop, Leaf hoppers, MSDA, Bark weevil |  | Enhancing fruit set and yield in Mango | - | - | - | FV: 6 | - | - | - | - | - |
| 02 | Integrated Pest & Disease Management | Black Pepper | Death of vines due to foot rot |  | Foot rot Management in Black Pepper | 05 | - | - | FV: 8 | - | - | - | - | Trichoderma: 3.75 |
|  |  | Cashew | TMB & CSRB |  | IPM in Cashew | 01 | - | - | FV: 02  Method Demo: 01 | - | - | - | - | - |
|  |  | Ginger | Shootborer | Management of shoot borer in ginger |  | 01 | - | - | FV: 4  EV: 01  Seminar: 01 | - | - | - | - | - |
|  |  | Banana | Leaf roller | Assessment of green labeled insecticides for management of Banana Leaf Roller |  | - | - | - | FV: 09  GL: 03 | - | - | - | - | - |
| 03 | Varietal Introduction | China Aster | Lack of awareness |  | Commercial cultivation of china aster in uttara kannada district | - | - | - | RV: 01 | - | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 04 | Mechanization |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 05 | Agroforestry | Appemidi Mango, Kokum, Jack, Guinea grass | Betta lands |  | Multipurpose trees on bund/boundary/bettaland planting as shelter/fodder and additional source of income | - | - | - | FV: 14  GL: 01 | - | 300 | - | - | - |
| 06 | Income generation | Lac |  | Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District |  | - | - | - | FV: 04  GL: 05 | - | - | - | - | - |

**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,Greengram, Blackgram, Maize, Groundnut | 0 | 08 | 10 | Awareness Programme : 02  Workshop : 01  Field Day: 07 |
| 02 | Varietal introduction | UASD, UASB, IIHR | Paddy,  China aster | 01 | 01 | 00 |  |
| 03 | Production technology of Horticultural Crops | UASD | Arecanut  Mango | 0 | 02 | 05 | Seminar : 01 |
| 04 | Plant Protection | DCR(Puttur),UASD | Blackpepper, Ginger, Cashew, Arecanut, Banana | 02 | 02 | 03 |  |
| 05 | Agroforestry | UASD | Forest species | 0 | 01 | 01 |  |
| 06 | Income Generation | IINRG, Rachi | Lac | 01 | 0 | 0 |  |

**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 | 22 | 23 | 24 | 25 |
| **1** | 0 | 0 | 0 | 0 | 147 | 1 | 05 | 02 | 310 | 140 | 35 | 23 | 803 | 84 | 47 | 6 |
| **2** | 12 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 137 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **3** | 0 | 0 | 0 | 0 | 06 | 0 | 0 | 0 | 32 | 25 | 08 | 0 | 50 | 0 | 0 | 0 |
| **4** | 10 | 0 | 0 | 0 | 8 | 0 | 0 | 0 | 28 | 13 | 01 | 0 | 0 | 0 | 0 | 0 |
| **5** | 0 | 0 | 0 | 0 | 02 | 01 | 01 | 01 | 0 | 12 | 3 | 2 | 0 | 0 | 0 | 0 |
| **6** | 02 | 0 | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

**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 |  |  |  |  |  |  |  |  |  |  |
| Varietal Evaluation | 01 |  |  |  |  |  |  |  |  | 01 |
| Integrated Pest Management |  |  |  |  |  | 01 |  | 01 |  | 02 |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Income Generation (Lac) |  |  |  | 01 |  |  |  |  |  | 01 |
| **Total** | **01** |  |  | **01** |  | **01** |  | **01** | **0** | **04** |

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

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

**4.A4. Abstract on the number of technologies refined in respect of livestock enterprises - NIL**

**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)** |
| Varietal Evaluation | Paddy | KMP-105 short duration paddy variety as contingent crop for late kharif | 10 | 10 | 0.6 |
| Integrated Pest Management | Ginger | Management of Shoot Borer in Ginger | 05 | 05 | 0.8 |
| Banana | Assessment of green labeled insecticides for management of Banana leaf roller | 05 | 05 | 0.04 |
| Income Generation | Lac | Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District | 06 | 03 | - |
| **Total** |  |  | **26** | **23** |  |

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

**4.B.3. Technologies assessed under Livestock and other enterprises – NIL**

**4.B.4. Technologies Refined under Livestock and other enterprises – NIL**

**4.C1.** **Results of Technologies Assessed**

**Results of On Farm Trial**

**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 | Delayed planting due to flood/delayed monsoon | KMP-105 short duration paddy variety as contingent crop for late *kharif* | **10** | Variety KMP 105 for late Kharif | Yield | 50.40 q/ha | Variety performed well than MTU 1010, Rasi for Late Kharif and is tolerant to pests and diseases | Farmers expressed their good opinion on KMP-105 variety, for its   * Short duration, * Higher Yield, * Tolerance to Blast, Stem borer infestation * Good quality of the Rice . | - | - |

**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: MTU 1010 |  | 33.20 | q/ha | 14240 | 1.56 |
| TO2: Rasi | UAS Dharwad | 40.74 | q/ha | 23288 | 1.91 |
| TO3: KMP 105 | UAS Bangaluru | 50.40 | q/ha | 36280 | 2.50 |

**2. Results of On Farm Trial :02 Management of Shoot Borer in Ginger**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| Ginger | Irrigated | Shoot borer | Management of Shoot Borer in Ginger | 05 | Spray of Lambda cyhalothrin 5 EC @ 1 ml/l  Flubendiamide 480 SC @ 75 ml/ha | Shoot borer incidence (%) | % | 7.12  4.98 | Availability of flubendiamid is limited | - | - |

**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: Chlorpyriphos |  | 145.4 | q/ha | 188500 | 2.07 |
| TO2: Dimethoate 30 EC @ 1.7 ml/l | UAS Dharwad | 156.02 | q/ha | 214050 | 2.21 |
| TO3: Lambda Cyhalothrin 5 EC @ 1 ml/l | UAS Bangaluru | 168.42 | q/ha | 244550 | 2.38 |
| TO4 : Flubendiamide 480 SC @ 75 ml/ha | UAS Dharwad | 182.1 | q/ha | 278250 | 2.57 |

**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 |
| Banana | Rainfed | Leaf roller | Assessment of Green Labeled insecticide for management of Banana leaf roller | 05 | Spraying of Flubendiamide 480 SC @ 0.1 ml/l  Spraying of Neemazal 100000 ppm @ 1 ml/l | **Yield** | **(q/ha)** | **27.5**  **29.14** | * If the leaf roller damage appears before bunch emergence, there will be 50% reduction in yield. * Predation by crows is observed * Application of insecticide is not feasible after bunch emergence |  |  |

**Contd..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Technology Assessed** | **Source of Technology** | **Production** | **Please give the unit** | **Net Return (Profit) in Rs. / unit** | **BC Ratio** |
| **13** | **14** | **15** | **16** | **17** | **18** |
| TO1: Imidacloprid 18.5 SL @ 0.5 ml/l | UAS, Dahrwad | 27.7 | q/ha | 3695 | 1.608 |
| TO2: Flubendiamide 480 SC @ 0.1 ml/l | UAS, Dharwad | 27.5 | q/ha | 3370 | 1.532 |
| TO3: Neemazal 100000 ppm @ 1 ml/l | UAS, Dharwad | 29.14 | q/ha | 3679 | 1.556 |

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| Lac | Rainfed | Low yield | Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District | 06 | 1. **Inoculation during rainy season** 2. **Inoculation during summer season** | Lac yield  Eublema infestation(%) | Kg/tree  % | **17.33**  **10.5** | - | **-** | **-** |

**Contd..**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Technology Assessed** | **Source of Technology** | **Production** | **Please give the unit** | **Net Return (Profit) in Rs. / unit** | **BC Ratio** |
| **13** | **14** | **15** | **16** | **17** | **18** |
| To:1 |  |  |  |  |  |
| **TO2:**   1. **Inoculation during rainy season** 2. **Inoculation during summer**  **season** | IINRG Ranchi | - | - | - | - |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

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 : Variety KMP 105 for late Kharif

2 Problem Definition : Delayed planting due to flood caused by heavy rains

3 Details of technologies selected for assessment: Short duration paddy variety KMP 105 for late sowing in kharif

4 Source of technology : UAS Bangaluru

5 Production system and thematic area : Rainfed, Varietal evaluation

6 Performance of the Technology with performance indicators: KMP 105 (50.40 q/ha)

recorded higher yield than Recommended Practice (Rasi) ( 40.74 q/ha) and Farmers Practice(MTU 1010)

(33.20 q/ha).

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

techniques: Farmers expressed their good opinion on KMP-105 variety, for its Short duration, Higher Yield,

Tolerance to Blast, Stem borer infestation, Good quality of the Rice .

8 Final recommendation for micro level situation: The variety is suitable for late Kharif sowing in the month of

last week of July or First week of Aug.

9 Constraints identified and feedback for research : Nil

10 Process of farmers participation and their reaction: field visit, trainings, phone calls. Good opinion about the yield and quality of rice.

**OFT -2**

1 Title of Technology Assessed : Management of Shoot Borer in Ginger

2 Problem Definition : Shoot borer damage

3 Details of technologies selected for assessment: Spray of Lambda cyhalothrin 5 EC @ 1 ml/l & Flubendiamide 480 SC @ 75 ml/ha

4 Source of technology : UAS Bangaluru

5 Production system and thematic area : Irrigated, Pest Management

6 Performance of the Technology with performance indicators: Shoot borer incidence very less in assessed

technology (7.9%) when compared with TO2 (Dimethoate 30 EC) 11.23% and TO1 (Chlorpyriphos) 22.4 %

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

techniques:

8 Final recommendation for micro level situation: Safety kits may be used while spraying the chemicals

9 Constraints identified and feedback for research : -

10 Process of farmers participation and their reaction: Method demo, field visit, phone calls.

**OFT -3**

1 Title of Technology Assessed : Assessment of green labeled insecticides for management of banana leaf roller

2 Problem Definition : Banana leaf roller

3 Details of technologies selected for assessment: Spraying of Flubendiamide 480 SC @ 0.1 ml/l &

Spraying of Neemazal 100000 ppm @ 1 ml/l

4 Source of technology : KAU,Kerala

5 Production system and thematic area : Irrigated, Pest Management

6 Performance of the Technology with performance indicators

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

techniques: If the leaf roller damage appears before bunch emergence, there will be 50% reduction in

yield. Predation by crows is observed

8 Final recommendation for micro level situation: Nil

9 Constraints identified and feedback for research : Spraying is difficult in case of big plants

10 Process of farmers participation and their reaction: Field visit, method demos

**OFT -4**

1 Title of Technology Assessed : Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District

2 Problem Definition : Low yield of lac

3 Details of technologies selected for assessment: Inoculation of brood lac in rainy season and summer season.

4 Source of technology: IINRG, Ranchi

5 Production system and thematic area : Income Generation

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: Field visit, Phone calls

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

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

**PART V - FRONTLINE DEMONSTRATIONS**

**5.A. Summary of FLDs implemented during 2014-15**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 |
| 1 | Oilseeds | Residual Soil Moisture | Rabi/Summer | Groundnut | G2-52 |  | Crop Production | Integrated Crop Management | 1.2 | 1.2 | 0 | 03 | 03 |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 | Pulses | Residual Soil Moisture | Rabi/Summer | Blackgram | DU - 1 |  | Crop Production | Integrated Crop Management | 26 | 26 | 0 | 65 | 65 |  |
|  |  | Residual Soil Moisture | Rabi/Summer | Greengram | DGGV-2 |  | Crop Production | Integrated Crop Management | 16 | 16 | 0 | 43 | 43 |  |
| 3 | Cereals | Rainfed | Kharif | Paddy | PSB-68 |  | Crop Production | Integrated Crop Management | 6 | 6 | 2 | 13 | 15 |  |
|  |  | Rainfed | Kharif | Maize |  |  | Crop Production | Integrated Crop Management | 1.2 | 1.2 | 1 | 03 | 04 |  |
|  |  | Rainfed | Rabi/Summer | Paddy | Sindhu |  | Crop Production | Organic farming | 6 | 6 | 2 | 13 | 15 |  |
| 4 | Flowers | Irrigated | Summer | China Aster | Ganapathi Phule purple |  | Crop Production | Varietal Introduction | 0.6 | 0.6 | 0 | 03 | 03 |  |
| 5 | Fruits | Rainfed | Summer | Mango | Alphanso |  | Crop Production | Integrated Crop Management | 1.2 | 1.2 | 0 | 03 | 03 |  |
| 6 | Spices and condiments | Irrigated | Kharif | BlackPepper | Paniyur-1 |  | Plant Protection | Integrated Disease Management | 75(vines) | 75(vines) | 0 | 03 | 03 |  |
| 7 | Plantation | Irrigated | Kharif | Arecanut |  |  | Plantation Crops | Integrated Crop Management | 1.2 | 1.2 | 0 | 10 | 10 |  |
|  |  | Rainfed | Summer | Cashew | Local |  | Plantation Crops | Integrated Pest Managemetn | 1.2 | 2 | 0 | 05 | 05 |  |
| 8 | Agroforestry | Rainfed | Kharif | Callophyllum innophyllum, Melia dubia | - |  | Agro forestry | Planting of multipurpose forest species on bunds/betta lands | - | - | 02 | 3 | 5 |  |

**5.A. 1. Soil fertility status of FLDs plots during 2015-16**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Category** | **Farming**  **Situation** | **Season**  **and**  **Year** | **Crop** | **Variety/ breed** | **Hybrid** | **Thematic area** | **Technology Demonstrated** | **Status of soil(kg/ac)** | | | **Previous crop grown** |
| **N** | **P** | **K** |  |
|  | Oilseeds | Residual Soil Moisture | Rabi/Summer 2015 | Groundnut | G2-52 | - | Crop Production | Integrated Crop Management | 135 | 6.4 | 52 | Paddy |
|  | Pulses | Residual Soil Moisture | Rabi/Summer 2015 | Blackgram | DU – 1 | - | Crop Production | Integrated Crop Management | 160 | 6.1 | 43 | Paddy |
|  |  | Residual Soil Moisture | Rabi/Summer 2015 | Greengram | DGGV-2 | - | Crop Production | Integrated Crop Management | 150 | 7.5 | 63 | Paddy |
|  | Cereals | Rainfed | Kharif 2014 | Paddy | PSB-68 | - | Crop Production | Integrated Crop Management | 135 | 6.0 | 63 | Blackgram |
|  |  | Rainfed | Kharif 2014 | Maize | - | NK 6240 | Crop Production | Integrated Crop Management | 86 | 5.8 | 48 | Fallow |
|  |  |  |  | Paddy | Sindhu |  | Crop Production | Organic Farming | 105 | 6.0 | 53 | Pulses |
|  | Spices and condiments | Irrigated | Kharif | BlackPepper | Paniyur-1 | - | Plant Protection | Integrated Disease Management | 155 | 6.8 | 95 | Black pepper |
|  | Fruits | Rainfed | Summer | Mango | Alphanso | - | Crop Production | Integrated Crop Management | 125 | 8.5 | 78 | Mango |
|  | Plantation | Irrigated | Kharif | Arecanut | Local | - | Plantation Crops | Integrated Crop Management | 175 | 11.5 | 115 | Arecanut |

**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 | G2-52 | - | Residual moisture | 03 | 1.2 | 17.5 | 15.2 | 16.37 | 10.4 | 58.1 | Produce not yet sold | | | | | | | |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blackgram | ICM in Black gram | DU-1 | - | Residual Moisture | 15 | 6.0 | 5.00 | 3.60 | 4.28 | 3.43 | 24.78 | Produce not yet sold | | | | | | | |
| Green gram | ICM in Green gram | DGGV-2 | - | Residual Moisture | 15 | 6.0 | 5.0 | 3.5 | 3.95 | 3.00 | 31.67 | Produce not yet sold | | | | | | | |
| Blackgram | ICM in Black gram | DU-1 | - | Residual Moisture | 50 | 20 | 4.68 | 3.9 | 4.28 | 3.43 | 24.78 | 26356.6 | 32355.6 | 58712.2 | 3.6 | 15186.7 | 15635.6 | 30822.4 | 1.99 |
| Green gram | ICM in Green gram | DGGV-2 | - | Residual Moisture | 28 | 10 | 4.59 | 3.8 | 4.06 | 3.30 | 23.03 | 18092.8 | 40571.4 | 22478.5 | 2.19 | 16778.5 | 33007.1 | 16228.5 | 1.92 |
| Cereals | ICM in Paddy | PSB-68 |  | Rainfed | 15 | 6 | 57.4 | 48.8 | 52.7 | 38.66 | 35.82 | 30900 | 79110 | 47530 | 2.56 | 26800 | 58639 | 31945 | 2.19 |
|  | ICM in Maize | CP818, NK-6240 |  | Rainfed | 04 | 1.2 | 80 | 77 | 82.5 | 62.98 | 30.99 | 30000 | 107250 | 77250 | 3.58 | 28000 | 81874 | 53874 | 2.92 |
|  | Organic Farming | Sindhu |  | Rainfed | 15 | 6 | 45.5 | 38.50 | 40.99 | 35.5 | 15.99 | 24627 | 49192 | 24565 | 2.00 | 26033 | 42600 | 16567 | 1.64 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flowers | China Aster | Ganesh Phule Purple | - | Irrigated | 03 |  | Ongoing | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit | Mango | Alphanso | - | Rainfed | 03 | 1.2 | Ongoing | | | | | | | | | | | | |
| Spices and condiments | Black pepper |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blackpepper | Foot rot Management in Black Pepper | Panniyur-1 | - | Rainfed | 03 | 75 (vines) | 6.2 | 6.0 | 6.1 | 5.06 | 20.55 | 640000 | 366000 | 302000 | 5.71 | 56000 | 304000 | 248000 | 5.44 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arecanut | ICM in Arecanut | local |  | Rainfed | 03 | 1.2 | 35 | 33 | 33 | 23.37 | 41.2 | 68800 | 693000 | 624200 | 10 | 58500 | 490770 | 432270 | 8.3 |
|  | IPM in Cashew | Local |  | Rainfed | 05 | 02 | On Going | | | | | | | | | | | | |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agroforestry | Multipurpose trees on bund/boundary/ Bettaland planting as shelter/Fodder and additional source of income | ***Calophyllum inophyllum, Melia dubia, Sesbania grandiflora*** | - | Rainfed | 05 |  | Ongoing | | | | | | | | | | | | |

**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 pods/plant (Number)** | 14.8 | 12.3 |
| **Incidence of collar rot (%)** | 3.2 | 10.23 |
| **Incidence of leaf spot (%)** | 0.67 | 45.0 |
|  |  |  |

**FLD : ICM in Black gram**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of pods/plant (Number)** | 14.83 | 10.98 |
| **Weed count/m2** | 15.11 | 113.7 |
| **Sucking pest incidence** | 3.67 | 23.33 |
| **Powdery Mildew Incidence** | 2.89 | 11.72 |
|  |  |  |

**FLD : ICM in Green gram**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of pods/plant (Number)** | 12.1 | 6.9 |
| **Sucking pest incidence** | 2.1 | 19.8 |
| **% Control(Sucking pests)** | 89.4 | - |
| **Powdery Mildew Incidence** | 2.4 | 18.1 |
| **% Control(Powdery mildew)** | 86.7 | - |

**FLD : ICM in Black gram(Cluster FLD)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of pods/plant (Number)** | 14.25 | 8.9 |
| **Sucking pest incidence** | 2.8 | 21.92 |
| **% Control(Sucking pests)** | 90.5 | - |
| **Powdery Mildew Incidence** | 1.42 | 13.25 |
| **% Control(Powdery mildew)** | 89.3 | - |

**FLD : ICM in Green gram(Cluster FLD)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of pods/plant (Number)** | 14.29 | 10.64 |
| **Sucking pest incidence** | 2.73 | 20.8 |
| **Powdery Mildew Incidence** | 2.93 | 12.13 |

**FLD : ICM in Paddy(PSB -68)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of Stem borer infested plants/m2** | 1.6 | 8.8 |
| **No. of Leaf folder infested hills/m2** | 2.5 | 29.2 |
| **No. of Ear head bug infested plants/m2** | 3.1 | 28.0 |
| **Blast Incidence (%)** | 3.0 | 70.0 |

**FLD : Organic Farming Practices in Paddy**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **No. of Stem borer infested plants/m2** | 4.8 | 9.4 |
| **No. of Leaf folder infested hills/m2** | 6.8 | 25.3 |
| **No. of Ear head bug infested plants/m2** | 11.2 | 26.2 |
| **Blast Incidence (%)** | 8.8 | 40.0 |

**FLD : ICM in Maize with special emphasis on weed and nutrient management**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | | | |
| **Parameter with unit** | **20 DAS** | | **45 DAS** | |
|  | **Demo** | **Check** | **Demo** | **Check** |
| **Weed Count (Number/m2)** | 14.75 | 144 | 34.75 | 166.75 |
| **WCE (%)** | 89.8 |  | 79.16 |  |
| **Stem Borer Incidence (%)** | 2.75 | 11 |  |  |
| **Stem Borer Control (%)** | 75 |  |  |  |

**FLD : Foot rot management in black pepper**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **Foot rot incidence (%)** | 3.63 | 8.33 |

**FLD : Promising technology to tackle nut drop and root grub in arecanut**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **Number of nuts dropped /palm** | 6 | 26 |
| **% Reduction in nut drop** | 76 | - |
| **Nut splitting /palm** | 4 | 24 |
| **% Root grub mortality** | 91.4 | 40 |

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

5.B.3. Fisheries –NIL-

5.B.4. Other enterprises –NIL-

5.B.5. Farm implements and machinery : NIL

**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 | 05 | 115 |  |
| 3 | Media coverage |  |  |  |
| 4 | Training for extension functionaries |  |  |  |
| 5 | Others (Field Visits) | 41 | 167 |  |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS : NIL**

**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** |  |  |  |  |  |  |  |  |  |  |
| Organic Farming | 01 | 38 | 6 | 44 | 6 | 0 | 6 | 44 | 06 | 50 |
| ICM | 02 | 44 | 05 | 49 | 0 | 0 | 0 | 44 | 5 | 49 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 01 | 18 | 0 | 18 | 08 | 0 | 08 | 26 | 0 | 26 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 01 | 19 | 11 | 30 | 0 | 0 | 0 | 19 | 11 | 30 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| LAC Cultivation |  |  |  |  |  |  |  |  |  |  |
| **Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 02 | 26 | 58 | 78 | 6 | 5 | 11 | 32 | 63 | 95 |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) | 01 | 28 | 12 | 40 | 3 | 2 | 5 | 31 | 14 | 45 |
| **TOTAL** | **08** | **173** | **92** | **265** | **23** | **7** | **30** | **196** | **99** | **295** |

**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** |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 01 | 70 | 92 | 162 | 20 | 23 | 43 | 90 | 115 | 205 |
| Integrated Nutrient Management | 01 | 30 | 0 | 30 | 0 | 5 | 05 | 30 | 5 | 35 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 02 | 80 | 13 | 93 | 0 | 0 | 0 | 80 | 13 | 93 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** | 01 | 11 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | 11 |
| **g) Fruits** | 01 | 28 | 12 | 40 | 0 | 0 | 0 | 28 | 12 | 40 |
| **Soil Health and Fertility Management** | 01 | 22 | 0 | 22 | 0 | 0 | 0 | 22 | 0 | 22 |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 02 | 13 | 2 | 15 | 2 | 1 | 3 | 15 | 3 | 18 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **Capacity Building and Group Dynamics** | 02 | 114 | 27 | 141 | 19 | 0 | 19 | 133 | 27 | 160 |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **11** | **368** | **146** | **514** | **45** | **23** | **68** | **413** | **169** | **582** |

**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** |
| Entrepreneurial development of farmers/youths |  |  | |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  | |  |  |  |  |  |  |  |  |

**7.D. Training for Rural Youths including sponsored training programmes (off campus) – NIL-**

**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** |
| Integrated Crop Management | 04 | 100 | | 21 | 121 | 4 | 0 | 4 | 104 | 21 | 125 |
| Awareness | 01 | 72 | | 18 | 90 | 10 | 0 | 10 | 82 | 18 | 100 |
| **Total** | **05** | **172** | | **39** | **211** | **14** | **0** | **14** | **186** | **39** | **225** |

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

7.G. Sponsored training programmes conducted : NIL

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial production of vegetables |  |  |  |  |  |  |  |  |  |  |
| **2** | **Production and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Fruit Plants |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Ornamental plants |  |  |  |  |  |  |  |  |  |  |
| 2.c. | Spices crops |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Soil health and fertility management** |  |  |  |  |  |  |  |  |  |  |
| **4** | **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **5** | **Methods of protective cultivation** |  |  |  |  |  |  |  |  |  |  |
| **6** | **Others (pl.specify)** |  |  |  |  |  |  |  |  |  |  |
| **7** | **Post harvest technology and value addition** |  |  |  |  |  |  |  |  |  |  |
| 7.a. | Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **8** | **Farm machinery** |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements |  |  |  |  |  |  |  |  |  |  |
| 8.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **9.** | **Livestock and fisheries** |  |  |  |  |  |  |  |  |  |  |
| **10** | **Livestock production and management** |  |  |  |  |  |  |  |  |  |  |
| 10.a. | Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| 10.b. | Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| 10.c | Fisheries Nutrition |  |  |  |  |  |  |  |  |  |  |
| 10.d | Fisheries Management |  |  |  |  |  |  |  |  |  |  |
| 10.e. | Others (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. | Entrepreneurial development of farmers/youths | 3 | 82 | 9 | 91 | 8 | 1 | 9 | 90 | 10 | 100 |
|  | **Total** | **7** | **180** | **32** | **212** | **22** | **5** | **27** | **202** | **37** | **239** |

**Details of sponsoring agencies involved**

**1.KSDA Karwar**

**2.** PPVFRA

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

**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 | 07 | 371 | 107 | 478 | 24 | 8 | 32 | 8 | 0 | 8 |
| Kisan Mela | 01 | 180 | 24 | 204 | 20 | 14 | 34 | 06 | 0 | 06 |
| Kisan Ghosthi |  |  |  |  |  |  |  |  |  |  |
| Exhibition | 05 | 200345 | 100066 | 300541 | 57 | 20 | 77 | 235 | 150 | 385 |
| Film Show |  |  |  |  |  |  |  |  |  |  |
| Method Demonstrations | 20 | 445 | 143 | 588 | 25 | 8 | 33 | 25 | 0 | 25 |
| Farmers Seminar | 01 | 08 | 42 | 50 | 0 | 0 | 0 | 0 | 0 | 0 |
| Workshop | 01 | 02 | 183 | 32 | 215 | 19 | 6 | 25 | 25 | 0 |
| Group meetings |  |  |  |  |  |  |  |  |  |  |
| Lectures delivered as resource persons | 50 | 1472 | 830 | 2302 | 295 | 54 | 349 | 305 | 52 | 357 |
| Newspaper coverage | 30 |  |  |  |  |  |  |  |  |  |
| Radio talks | 03 |  |  |  |  |  |  |  |  |  |
| TV talks | 01 |  |  |  |  |  |  |  |  |  |
| Popular articles | 01 |  |  |  |  |  |  |  |  |  |
| Extension Literature | 12 |  |  |  |  |  |  |  |  |  |
| Advisory Services | 68 |  |  |  |  |  |  |  |  |  |
| Scientific visit to farmers field | 146 | 550 | 53 | 603 | 48 | 3 | 51 | 29 | 4 | 33 |
| Farmers visit to KVK | 224 |  |  |  |  |  |  |  |  |  |
| Diagnostic visits | 56 | 206 | 2 | 208 | 7 | 0 | 7 | 13 | 02 | 15 |
| Exposure visits | 06 | 41 | 130 | 171 | 0 | 0 | 0 | 18 | 09 | 27 |
| Ex-trainees Sammelan |  |  |  |  |  |  |  |  |  |  |
| Soil health Camp |  |  |  |  |  |  |  |  |  |  |
| Animal Health Camp | 01 | 85 | 32 | 117 | 10 | 0 | 10 | 12 | 0 | 12 |
| Agri mobile clinic |  |  |  |  |  |  |  |  |  |  |
| Soil test campaigns |  |  |  |  |  |  |  |  |  |  |
| Farm Science Club Conveners meet |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Mahila Mandals Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Celebration of important days : | 05 | 198 | 24 | 222 | 4 | 0 | 4 | 17 | 0 | 17 |
| Any Other  Campaigns | 03 | 114 | 73 | 187 | 12 | 50 | 62 | 24 | 0 | 24 |
| Interface Meeting | 01 | 75 | 12 | 87 | 10 | 6 | 16 | 4 | 2 | 6 |
| Awareness Programme | 01 | 72 | 10 | 82 | 12 | 06 | 18 | 4 | 01 | 5 |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total** | **643** | **204164** | **101731** | **305872** | **739** | **188** | **699** | **725** | **245** | **920** |

**Details of special Extention Activities Organized:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Activity** | **Period and Duration** | **Venue** | **Participants** | **Important Activities carried during the event** |
| 01 | Pre Kharif workshop | 08.08.2015 | Kanagod, Siddapur | 210 | * Guest lectures: The farmers were given information about the scientific technologies for better yields in important crops of the district through, method demonstrations and publications. * Scientist-farmer interaction. * Method demonstrations: Bordeux mixture preparation * Exhibition |
| 02 | World Soil Day | 05.12.2015 | KVK,Sirsi | 58 | 200 Soil health card distributed |
| 03 | Jai Kisan Jai Vigyan Diwas | 22.12.2015 | Idagundi, Yellapur | 73 | 1. Falicitation to Smt. Shridevi Harijan,Member of SHG and Shri.U.K.Bhat, for their contribution in the field of agriculture  2. Scientist- Farmer interactions  3. Detailed information on IFS  4. Experience sharing by V N  Bhat, Ikan, Shreshtha  Krishika Awardee , UASD  2015-16 |
| 23.12.2015 | Kibballi, Siddapur | 48 | 1. Distribution of Honey bee  boxes to the farmers under  Savayava Bhagya Yojane"  by Scodways  2. Film show on Bee keeping  practices and behavior of  honey bees  3 Farmer Scientist Interaction  4. Demonstration of Bee  keeping practices  5. Guest lectures on  Apiculture,Paddy and  Major horticultural crops |
| 4 | Pre Rabi Workshop | 11.02.2016 | KVK,Sirsi | 62 | * Guest lectures: The farmers were given information about the scientific technologies for better yields in important crops of the district through, method demonstrations and publications. * Scientist-farmer interaction. * Exhibition |
| **5** | Kissan Mela on PMBY | 31.03.2016 | KVK,Sirsi | 250 | * Guest Lecture: on PMBY * Farmer Scientist Interaction * Exhibition |

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Crop category | **Name of the crop** | **Variety** | **Hybrid** | **Quantity of seed**  **(qtl)** | **Value**  **(Rs)** | **Number of farmers to whom provided** |
| Cereals (crop wise) | Paddy | Hemavati | - | 75 | 232500.00\* |  |
|  | Abhilash |  | 114.5 | 354950.00\* |  |
|  | Jaya |  | 71 | 220100.00\* |  |
|  | Intan |  | 16.5 | 51150.00\* |  |
|  |  |  |  | **277 q** |  |  |
| Oilseeds |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |
| Flower crops |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |  |  |
| Fiber crops |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Others (specify) |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

**\* Anticipated**

# 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 | Drum Stick | Bhagya | - | 30 | 450.00 | 10 |
| Fodder crop saplings |  |  |  |  |  |  |
| Forest Species | Caliandra | - |  | 600 | 4800.00 | 01 |
| Others(specify) |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |

**9.C. 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 |  |  |  |  |
| Root Hormone | IBA | 3.39 | 3955 | 72 |
| **Total** |  |  |  |  |

9.D. Production of livestock materials : NIL

**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.) :

1. K. Manjappa, Annapurna Neeraligi, Akkamahadevi D Agasimani, Shivashenkaramurthy M., Sanjeevakumar Yeledalli, Praveen Goroji, Siddappa Kannur, News Letter (April-May 2015) in Kannada.

2. K. Manjappa, Annapurna Neeraligi, Shivashenkaramurthy M.,Akkamahadevi D Agasimani, Sanjeevakumar Yeledalli, Praveen Goroji, Siddappa Kannur, News Letter (June-July 2015) in Kannada.

3. K. Manjappa, Annapurna Neeraligi, Shivashenkaramurthy M.,Akkamahadevi D Agasimani, Siddappa Kannur, Praveen Goroji, News Letter (Aug-Sept 2015) in Kannada.

4. K. Manjappa, Annapurna Neeraligi, Roopa S Patil, Shivashenkaramurthy M.,Akkamahadevi D Agasimani, Siddappa Kannur, Praveen Goroji, News Letter (Oct-Dec 2015) in Kannada.

(B) Literature developed/published

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Title** | **Authors name** | **Number** |
| Research papers | Evaluation of antifungal properties of Eupatorium (Chromolaena odorata L.) plant extract against Pyricularia oryzae causing Blast disease in rice crop | Manjappa, K |  |
|  | Management of Rice earhed bug, Leptocorisa oratorius fabricius (Hemiptera: Alydidae). | Basavaraj Ashokappa, H.T., Prabhu, S.T. and Manjappa, K., |  |
|  | Effect of pre-sowing treatments on seed germination of Melia azedarach | Sujatha, V.N. and Manjappa, K. |  |
|  | Influence of integrated nutrient management practices on seedling growth of Melia azedarach L. in nursery | Sujatha, V.N. and Manjappa, K |  |
|  | Effect of integrated nutrient management practices on early growth of young rubber (Hevea brasiliensis) plantation | 5. Pradeep, K.P. and Manjappa, K |  |
|  | Effect of integrated nutrient management practices on soil chemical properties of rubber (Hevea brasiliensis) plantation | Pradeep, K.P. and Manjappa, K., |  |
|  | Ethnobotany, phytochemistry, production and processing of highly nutritious medicinal plant | Sharma, Y., Patil, V. S. and Agasimani, A. D., |  |
|  | Studies on genetic divergence in gladiolus genotypes,Gladiolus hybridus Hort, | Agasimani, A. D. and V.S. Patil, |  |
|  | Effect of pre inoculation of VA Mycorrhizal fungi on growth and yield of onion Environment and Ecology. | D. A. Praveenkumar, N.K. Hegde, C.P.Patil and A. D. Agasimani, |  |
|  | Growth and fruiting status in improved and inimproved stands of Tectona grnadis L. f. Research in Environment and Life Sciences | Hanumantha M., Gunaga, R. P., Patil, R. S., Biradar, S. S. and Shankar, p., |  |
|  | Plant wealth of forest training institute | Hanumantha M., Patil, R. S, Gunaga, R. P., Biradar, S. S. and Garg, S., |  |
|  | Bioefficacy of triazophos 20% WDG against paddy pests | Javaregowda and Patil, R. S., |  |
|  | Bioefficacy of combi product (Imidacloprid 6% + Lambda cyhalothrin 4% SL) against insect pests of paddy | Javaregowda and Patil, R. S., |  |
|  | An eco friendly approach for the management of arecanut rootgrub, Leucopholis lepidophora Blanchard. | Patil, R. S. Prabhu, S. T. and Muktamath, V. U., |  |
|  | Outbreak of Udonga montana Distant (Hemiptera : Pentatomidae), a seed bug of Bamboo in Canara forest circle, Karnataka, | Patil, R. S., Javaregowda, Hanumantha, M., Raghunatha, R. Nad Shivashenkaramurthy, M |  |
|  |  |  |  |
| Technical reports |  |  |  |
| News letters |  |  |  |
| Technical bulletins |  |  |  |
| Popular articles |  |  |  |
|  | Aaragu krishige aasare ee gida | Roopa S Patil |  |
|  |  |  |  |
| Extension literature |  |  |  |
| Folders | Mannu pareekshe mahatwa hagu vidhan | Praveen Goroji, Shivashenkaramurthy M., Akkamahadevi D Agasimani, Siddappa Kannur, Sanjeev Kumar Yeledahalli, |  |
|  | Adike beleyalli sudharita besay kramagalu. | 2. Shivashenkaramurthy M., Akkamahadevi D Agasimani, Siddappa Kannur, Praveen Goroji, |  |
|  | Adike beru hulu prichaya mattu nirvahane | 3. Roopa S Patil, Akkamahadevi D Agasimani, Shivashenkaramurthy M., Praveen Goroji, Siddappa Kannur, |  |
|  | Bordeux dravana tayarisuv vidhan | Akkamahadevi D Agasimani, Shivashenkaramurthy M., Sanjeev Kumar Yeledahalli, Praveen Goroji, |  |
|  | Adike uduruvike hagu seeluvike hatoti kramagalu. | Praveen Goroji, Akkamahadevi D Agasimani, |  |
|  | Bhattadalli jaivik jeevanu gobbarada balake. | K. Manjappa, Shivashenkarmurthy M., |  |
|  | Shunti gadde kole roga nirvahane | Akkamahadevi Agasimani , Shivashenkaramurthy M., |  |
|  | Kalu menasinalli sheeghra soragu rogada nirvahane. | Shivashenkaramurthy M., Akkamahadevi Agasimani, |  |
|  | Adike koleroga athava mahali rogada nirvahane | Shivashenkaramurthy M., Akkamahadevi Agasimani, |  |
|  | Organic Farming Practices in Paddy. | Shivashenkaramurthy M.,Manjappa K., |  |
|  | 13 lakhs from 30 guntas- a Ginger Success Story. | Shivashenkaramurthy M, |  |
|  | 13 lakhs from 30 guntas- a Ginger Success Story. |  |  |
|  | Kalu Menasinalli hosa tantrajnanagalu |  |  |
| Booklets | Shunti Krishi | Akkamahadevi Agasimani, Roopa S Patil, Shivashenkarmurthy M., Praveen Goroji,Siddappa Kannur |  |
|  |  |  |  |
| Training Manuals |  |  |  |
| **TOTAL** |  |  |  |

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

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

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

**Press Reporter to Successful Cultivator**

Basavaraj Veeranagowda Patil is resident of Koppa Village in Mundagod Tq. of Uttara Kananda District. After completing his graduation, he took journalism as his profession and started working as a reporter for a local daily. Mean while he started growing Paddy and Maize in his 1.5 acres of land. For some years he continued to work as reporter, then he took agriculture as his full time profession. Initially his agriculture income was Rs. 1.25 lkhs/annum. Hence, he increased his farm size to 5 acres and started growing commercial crops like Banana, Arecanut based multicrops along with Paddy and Maize. With guidance from Krishi Vigyan Kendra at Sirsi and KSDA, Mundagod now he is successfully growing high density banana, arecanut, nutmeg, black pepper, cocoa, paddy in SRI method, maize, blackgram, greengram, groundnut etc. He has also planted jackfruit, mango, teak, kokum and bamboo on bunds, boundaries and in home stead. To get his organic needs, he is also managing a small dairy with 3 milching cows. Overall he is practicing a Integrated farming System with optimum utilization of land and resources. With his efforts, now his annual income has increased to Rs.34 Lakhs/annum.

**Economics:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Gross Income**  **(Rs. in lakhs)** | **Cost of Cultivation**  **(Rs. in lakhs)** | **Net Income**  **(Rs. in lakhs)** |
| **2002-03** | 1.25 | 0.45 | 0.5 |
| **2009-10** | 4.55 | 2.25 | 2.3 |
| **2012-13** | 11.00 | 4.50 | 6.5 |
| **2013-14** | 24.00 | 8.00 | 16.0 |
| **2015-16** | 34.00 | 12.00 | 22.0 |

He has been honored by UAS, Dharwad during Krishi Mela 2014-15 and bestowed him with Best Innovative Farmer Award.

He is also guiding his fellow farmers from neighboring villages.

He has set an example to all educated youths, that agriculture is a profitable venture it is it is taken as profession. He has proved that educated youths can create miracles in agriculture.

**Contact Details :**

Mr. Basavaraj Veeranagouda Patil,

Village : Koppa, Post: Indur,

Taluk: Mundagod,

District: Uttara Kannada,

State: Karnataka

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

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 | Paddy | Passing branches of Baina mara(Caryota urenis)/Mukkadaka/ Parige mullu(Zizyphus oenoplea) over paddy crop | Passing the branches of these trees over paddy plants before flowering, so that larva inside the leaf fold dislodges and later dies. |
| **02** | Arecanut | 1 kg Kasarka (Strychnus nuxvomica,) bark, 2 kg jaggary and 1 lit Coconut oil is mixed in 100 lit of water and 1 liter solution is drenched per palm. | For the management of Root grubs in areca nut |

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

-Identification of courses for farmers/farm women : Group discussion, Discussion with line departments,

Farmers request through visit to KVK/ Phone calls.

-Rural Youth :Group discussion, Discussion with line departments,

:Farmers request through visit to KVK/ Phone calls

-In-service personnel : Discussion in Bimonthly meetings.

**10.G. Field activities**

i. Number of villages adopted : 04 (Hirehalli, Gudnapur, Yedurbail, Kaigudde)

ii. No. of farm families selected : 20

iii.No. of survey/PRA conducted : 30

**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)-5 l/ 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 | Horizontal 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 | **4563** | **2472** | **1369** | **376783** |
| Water Samples | **1237** | **1207** | **892** | **65550** |
| Plant samples | **0** | **0** | **0** | **0** |
| Manure samples | **0** | **0** | **0** | **0** |
| Others (specify) | **0** | **0** | **0** | **0** |
| Total | **4277** | **3702** | **2284** | **442333** |

Details of samples analyzed during the 2015-16 :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 2310 | 2085 | 1230 | 301300.00 |
| Water Samples | 1174 | 1071 | 611 | 58700.00 |
| Plant samples |  |  |  |  |
| Manure samples |  |  |  |  |
| Others (specify) |  |  |  |  |
| Total | **3484** | **3156** | **1841** | **360000** |

**10.I. Technology Week celebration during 2015-16: 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

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

A. Introduction of alternate crops/varieties

B. Major area coverage under alternate crops/varieties

C. Farmers-scientists interaction on livestock management

D. Animal health camps organized

E. Seed distribution in drought hit states

F. Large scale adoption of resource conservation technologies

G. Awareness campaign

**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)** |
| Use of green manure crops(diancha, sunhemp) in paddy | 300 | 5 | Net profit: 10000/ha | Net profit: 60000/ha |
| Seed treatment (Fungicides) in paddy | 300 | 80 |
| Bio-fertilizer application in paddy | 450 | 35 |
| Lime application in paddy & arecanut | 500 | 92 |
| Micronutrient application | 525 | 51 |
| Pest & disease management agricultural and horticultural crops | 600 | 45 | Net profit: 10000/ha | Net profit: 40000/ha |
| Rhizome rot management in ginger | 100 | 95 | Net profit: 300000/ha | Net profit: 600000/ha |
| Rootgrub management through *Metarrhizium* | 500 | 85 | Net profit: 280000/ha | Net profit: 500000/ha |
| Quick wilt management in blackpepper | 250 | 75 | Net profit: 100000/ha | Net profit: 600000/ha |
| Pre-emergent weedicide application in Maize | 150 | 15 | Net profit: 25000/ha | Net profit: 65000/ha |
| KMP-10 short duration paddy variety for summer & late kharif | 120 | 40 | Net profit: 10000/ha | Net profit: 50000/ha |
| LAC cultivation | 300 | 5 | - | - |

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

**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, Bangaluru for two years, 2011-12 and 2012-13 and FLD during 2014-15, 2015-16. During the period of investigation, 30 farmers of cluster have taken the KMP-105 variety in an area of 25 ac. Considering the demand for the seeds, 25 farmers are motivated to take up seed production under farmers participator programme, as a result 210 q of TL seeds have been produced during late Kharif 2015. This year the area under KMP-105 has increased to 125 acres.

**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 | 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 |
| 2 | Low fertility, pest & diseases and low yield in paddy | FLD, OFT, Diagnostic Field Visit along with dept officials,  Individual Contact Method demos, trainings  Phone calls, Farmers visit to KVK | Field visit and Observation  Phone calls | 25% of the farmer adopted the ICM practices, | FLD Farmer received District Level Ist prize and Ist, 2nd and 3rd Taluka Level Awards in paddy crop competition. |
| 3 | Water shortage during summer, leading to water scarcity at panicle stage | OFT, FLD, Diagnostic Field Visit, Field visits, Individual Contact Method demos, trainings  Phone calls, Farmers visit to KVK | Field visit and Observation  Phone calls | 95% of the farmers have adopted KMP-105 in summer in Yedurbail village(operational village).  In late Kharif 10 farmer(20 acres) have adopted KMP 105. The variety has spread to neighboring taluks in around 21 acres. | Farmers have taken seed production of KMP 105.  KSDA of Sirsi, Yellapur, Siddapur & Mundagod have procured 15 q of KMP 105 seeds from KVK for distribution to the farmers. |

**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. |
| Kadamba Marketing & Co-operative Society, Sirsi | Trainings, Melas, SHGs, Marketing |
| 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 | Trainings and Field Visit and Field days |
| MANU VIKAS NGO | Field days and Field visits |
| Canarabank Deshpande Rudeset , Haliyal | Trainings, field visits, meetings |
| Jnana Joythi Financial Literacy Centre, Sirsi | Trainings |
| The Agricultural Service and Development Cooperative Society Ltd. | Traings, Services(supply of inputs) |
| GGSSS, Ltd Nanikatta, Siddapur tq. | Trainings, FLDs, Method demos |

**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)** |
| Testing trial on Evaluation of diuron in Banana | Research | 04-08-2014 | Auxilife Scientific Service Pvt ltd., Pune | 0.98472 |
| Testing trial on Evaluation of Croto DI –Urea in Turmeric | Research | 23-09-2014 | Godavari Bio Refineries Ltd., Ahmednagar | 1.18166 |
| Production of blackpepper seedlings and aromatic plants | Extension | 01.09.2015 | UAS, Dharwad under CSS | 2.15000 |
| Bioefficicay of facet on grassy weeds in transplanted paddy & its effects on succeeding crop | Rsearch | 15.06.2014 | BASF India Ltd | 3.0 |

**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?

**Coordination activities between KVK and ATMA during 2015-16**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Programme** | **Particulars** | **No. of programmes attended by KVK staff** | **No. of programmes Organized by KVK** | **Other remarks (if any)** |
| **01** | **Meetings** | Advisory meeting | 01 |  |  |
| **02** | **Research projects** |  |  |  |  |
| **03** | **Training programmes** |  |  |  |  |
|  |  |  |  |  |  |
| **04** | **Demonstrations** |  |  |  |  |
|  |  |  |  |  |  |
| **05** | **Extension Programmes** |  |  |  |  |
|  | Kisan Mela |  |  |  |  |
|  | Field day |  |  |  |  |
|  | Technology Week |  |  |  |  |
|  | Exposure visit |  |  |  |  |
|  | Exhibition |  |  |  |  |
|  | Soil health camps |  |  |  |  |
|  | Animal Health Campaigns |  |  |  |  |
|  | Guest Lectures | Hobli level training programmes on agriculture crops in Krishi Abhiyanas | 12 |  |  |
| **06** | **Publications** |  |  |  |  |
|  | Video Films |  |  |  |  |
|  | Books |  |  |  |  |
|  | Extension Literature |  |  |  |  |
|  |  |  |  |  |  |
|  | Pamphlets |  |  |  |  |
|  | Manual |  |  |  |  |
| **07** | **Other Activities** (Pl. specify) |  |  |  |  |
|  | Watershed approach |  |  |  |  |
|  | Integrated Farm Development |  |  |  |  |
|  | Agri-preneurs development |  |  |  |  |

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

**Programmes under CSS- MIDH(NHM)**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** | **Constraints if any** |
| 01 | Production of blackpepper seedlings and establishment of aromatic plants unit | Extension | Nil |
| 02 | Trainng programme on arecanut based multi cropping system with special emphasis on Black pepper | Extension | Nil |

**12.E. Nature of linkage with National Fisheries Development Board – NIL-**

**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 | Field day on Rabi crops | Field Day | 30000.00 | 30000.00 |  |
| 02 | Seminar on Ginger Production Technologies | Seminar | 82500.00 | 82500.00 |  |
| 03 | Animal Health Camp | Camp | 25000.00 | 25000.00 |  |
| 04 | Farmer-Scientist Interaction on rabi crops | Interaction | 30000.00 | 30000.00 |  |
| 05 | Workshop on Production Technology of important crops of UK district | Workshop | 82500.00 | 82500.00 |  |

**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 2015** | 7 | 9155 |  |
| **May 2015** | 05 | 9155 |  |
| **June 2015** | 11 | 9155 |  |
| **July 2015** | 12 | 9155 |  |
| **August 2015** | 06 | 9155 |  |
| **September 2015** | 03 | 9155 |  |
| **October 2015** | 03 | 9155 |  |
| **November 2015** | 01 | 9155 |  |
| **December 2015** | 07 | 9155 |  |
| **January 2016** | 06 | 9155 |  |
| **February 2016** | 04 | 9425 |  |
| **March 2016** | 03 | 9425 |  |
| **Total for the year 2015-16** | **68** |  |  |

**PART XIII- PERFORMANCE OF INFRASTRUCTURE IN KVK**

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Demo Unit | Year of  establishment | Area  (ha) | Details of production | | | Amount (Rs.) | | Remarks |
| Variety | Produce | Qty. | Cost of inputs | Gross income |
| 01 | Dairy |  |  |  | Milk | 6709 ltr | 92000 | 167738.8 |  |
| 02 | Vermicompost |  |  |  | Compost | 2700 kg | 48000 | 8246.00 |  |

**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 | 30.06.2015 | 18.12.2015 | 5.5 | Abhilash | Seed | 114.5 | 344049.65 |  |  |
|  | 23.7.2015 | 25.12.2015 | 3.5 | Jaya | Seed | 71 |  |  |
|  | 17.7.2015 | 29.12.2015 | 0.5 | Intan | Seed | 16.5 |  |  |
|  | 30.06.2015 | 19.12.2015 | 0.5 | Others | Bulk | 6 |  |  |
|  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |
| Blackgram | 18.1.16 | - | 08 | Du-1 | Seed | - |  | Not yet harvested |
| Oilseeds |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Fibers |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Spices & Plantation crops | | | | | | | | | |
| Cashew |  | 18.32016 | 01 | Local | Bulk | - |  |  | Harvesting under progress |
| Floriculture |  |  |  |  |  |  |  |  |
| Arecanut |  | 28.02.2016 | 01 | Local | Bulk |  | 130000.00 | Auctioned |
| Fruits |  |  |  |  |  |  |  |  |
| Sapota |  | 22.03.2016 | 01 | Cricket Ball | Fruits | 300 | 6000.00 | Auctioned |
| Vegetables |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Others (specify) | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

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

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

**13.D. Performance of instructional farm (livestock and fisheries production) : NIL**

**13.E. Utilization of hostel facilities**

Accommodation available (No. of beds): 25

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| April 2015 | 62 | 187 |  |
| May 2015 | 7 | 65 |  |
| June 2015 | 6 | 52 |  |
| July 2015 | 4 | 37 |  |
| August 2015 | 3 | 39 |  |
| September 2015 | 6 | 26 |  |
| October 2015 | 58 | 153 |  |
| November 2015 | 74 | 105 |  |
| December 2015 | 124 | 252 |  |
| January 2016 | 62 | 167 |  |
| February 2016 | 5 | 39 |  |
| March 2016 | 114 | 260 |  |

**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-**

**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 | 581002401 | SBIN0000917 |

**14.B. Utilization of KVK funds during the year 2015-16 (Rs. in lakh)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | Pay & Allowances | 62.55 | 62.55 | 65.443648 |
| 2 | Traveling allowances | 1.00 | 1.00 | 1.680625 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter | 1.25 | 1.25 | 1.25855 |
| *B* | POL, repair of vehicles, tractor and equipments | 1.25 | 1.25 | 1.23765 |
| *C* | Meals/refreshment for trainees (@Rs.75/day/trainee for residential and @ Rs.40/day/trainee for non-residential trainings) | 0.5 | 0.5 | 0.48035 |
| *D* | Training material (need based materials and equipments for conducting the training) | 0.25 | 0.25 | 0.21374 |
| *E* | Frontline demonstration | 0.86 | 0.86 | 0.70110 |
| *F* | FLD on special Pulses Programme | 2.10 | 2.10 | 1.48360 |
| *G* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 0.21 | 0.21 | 0.15820 |
| *H* | Training of extension functionaries | 0 | 0 | 0 |
| *I* | Maintenance of building | 0 | 0 | 0 |
| *J* | Extension Activities | 0.50 | 0.50 | 0.10770 |
| *K* | Farmers' Field School | 0 | 0 | 0 |
| *L* | Library (Purchase of Journal, Periodicals, News Paper and Magazines) | 0.05 | 0.05 | 0.02730 |
|  | **TOTAL (A)** | **70.52** | **70.52** | **72.78** |
| **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)** | | **70.52** | **70.52** | **72.78** |
| **C. REVOLVING FUND** | |  |  |  |
| **GRAND TOTAL (A+B+C)** | | **70.52** | **70.52** | **72.78** |

**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 2013 to March 2014** | 181937 | 555557 | 164882 | 576812 |
| **April 2014 to March 2015** | 576812 | 288621 | 170863 | 694570 |
| **April 2015 to March 2016** | 694570 | 1579951.80 (including anticipated seed sale) | 874683 | 1399838.8 |

**15. Details of HRD activities attended by KVK staff during 2015-16**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
| Dr. Akkamahadevi D Agasimani | Scientist | 21 days Winter school on “Multi Storied Cropping System and Canopy Management” | College of Horticutlure, Sirsi | 28th Sept to 18th Oct, 2015 |
| Shri. Shivashenkaramurthy M. | Scientist | 21 days Winter school on “Multi Storied Cropping System and Canopy Management” | College of Horticutlure, Sirsi | 28th Sept to 18th Oct, 2015 |
| Dr. Akkamahadevi D Agasimani | Scientist | Training on “Effective communication skills for extension functionaries” | MANAGE, Hyderabad | 6th to 11th July-15 |
| Dr. Akkamahadevi D Agasimani | Scientist | Workshop on “Strategies for Promoting Farmers Producer Organization” | NAARM, Hyderabad | 9th to 11th Dec-15 |

**16. Please include any other important and relevant information which has not been reflected above . NIL**

**SUMMARY FOR 2015-16**

# 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 |  |  |  |  |  |
|  |  |  |  |  |
| Varietal Evaluation | Paddy | KMP-105 short duration paddy variety as contingent crop for late kharif | 10 | 10 | 0.6 |
|  |  |  |  |  |
|  |  |  |  |  |
| Integrated Pest Management | Ginger | Management of Shoot Borer in Ginger | 05 | 05 | 0.8 |
| Banana | Assessment of green labeled insecticides for management of Banana leaf roller | 05 | 05 | 0.04 |
| 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 |  |  |  |  |  |
|  |  |  |  |  |
| Income Generation | Lac | Evaluation of inoculation seasons for brood lac on Kusum tree in Uttara Kananda District | 06 | 03 | - |
| **Total** |  |  | **26** | **23** |  |

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

**Summary of technologies assessed under home science-NIL-**

|  |  |  |  |
| --- | --- | --- | --- |
| **Thematic areas** | **Enterprise** | **Name of the technology assessed** | **No. of trials** |
|  |  |  |  |
|  |  |  |

# 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** |
|  |  |  |  |
|  |  |  |

**Summary of technologies refined under home science –NIL-**

|  |  |  |  |
| --- | --- | --- | --- |
| **Thematic areas** | **Enterprise** | **Name of the technology assessed** | **No. of trials** |
|  |  |  |  |
|  |  |  |

**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 | G2-52 | - | Residual moisture | 03 | 1.2 | 17.5 | 15.2 | 16.37 | 10.4 | 58.1 | Produce not yet sold | | | | | | | |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blackgram | ICM in Black gram | DU-1 | - | Residual Moisture | 15 | 6.0 | 5.00 | 3.60 | 4.28 | 3.43 | 24.78 | Produce not yet sold | | | | | | | |
| Green gram | ICM in Green gram | DGGV-2 | - | Residual Moisture | 15 | 6.0 | 5.0 | 3.5 | 3.95 | 3.00 | 31.67 | Produce not yet sold | | | | | | | |
| Blackgram | ICM in Black gram | DU-1 | - | Residual Moisture | 50 | 20 | 4.68 | 3.9 | 4.28 | 3.43 | 24.78 | 26356.6 | 32355.6 | 58712.2 | 3.6 | 15186.7 | 15635.6 | 30822.4 | 1.99 |
| Green gram | ICM in Green gram | DGGV-2 | - | Residual Moisture | 28 | 10 | 4.59 | 3.8 | 4.06 | 3.30 | 23.03 | 18092.8 | 40571.4 | 22478.5 | 2.19 | 16778.5 | 33007.1 | 16228.5 | 1.92 |
| Cereals | ICM in Paddy | PSB-68 |  | Rainfed | 15 | 6 | 57.4 | 48.8 | 52.7 | 38.66 | 35.82 | 30900 | 79110 | 47530 | 2.56 | 26800 | 58639 | 31945 | 2.19 |
|  | ICM in Maize | CP818, NK-6240 |  | Rainfed | 04 | 1.2 | 80 | 77 | 82.5 | 62.98 | 30.99 | 30000 | 107250 | 77250 | 3.58 | 28000 | 81874 | 53874 | 2.92 |
|  | Organic Farming | Sindhu |  | Rainfed | 15 | 6 | 45.5 | 38.50 | 40.99 | 35.5 | 15.99 | 24627 | 49192 | 24565 | 2.00 | 26033 | 42600 | 16567 | 1.64 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flowers | China Aster | Ganesh Phule Purple | - | Irrigated | 03 |  | Ongoing | | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit | Mango | Alphanso | - | Rainfed | 03 | 1.2 | Ongoing | | | | | | | | | | | | |
| Spices and condiments | Black pepper |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blackpepper | Foot rot Management in Black Pepper | Panniyur-1 | - | Rainfed | 03 | 75 (vines) | 6.2 | 6.0 | 6.1 | 5.06 | 20.55 | 640000 | 366000 | 302000 | 5.71 | 56000 | 304000 | 248000 | 5.44 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Arecanut | ICM in Arecanut | local |  | Rainfed | 03 | 1.2 | 35 | 33 | 33 | 23.37 | 41.2 | 68800 | 693000 | 624200 | 10 | 58500 | 490770 | 432270 | 8.3 |
|  | IPM in Cashew | Local |  | Rainfed | 05 | 02 | On Going | | | | | | | | | | | | |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Agroforestry | Multipurpose trees on bund/boundary/ Bettaland planting as shelter/Fodder and additional source of income | ***Calophyllum inophyllum, Melia dubia, Sesbania grandiflora*** | - | Rainfed | 05 |  | Ongoing | | | | | | | | | | | | |

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 : NIL

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the implement | Cost of the implement in Rs. | Name of the technology demonstrated | No. of Demo | Area covered under demo  in ha | Labour requirement in Mandays / ha | | % 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 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**Other enterprises**

**Demonstration details on crop hybrids : NIL**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the Hybrid** | **No. of**  **farmers** | **Area**  **(ha)** | **Yield (kg/ha) / major parameter** | | | **Economics (Rs./ha)** | | | |
|  |  |  |  | **Demonst-**  **ration** | **Local check** | **% change** | **Gross**  **Cost** | **Gross**  **Return** | **Net**  **Return** | **BCR** |
| **Cereals** |  |  |  |  |  |  |  |  |  |  |
| Bajra |  |  |  |  |  |  |  |  |  |  |
| Maize |  |  |  |  |  |  |  |  |  |  |
| Rice |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Oilseeds** |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |
| **Pulses** |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Vegetable crops** |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Commercial crops** |  |  |  |  |  |  |  |  |  |  |
| Sugarcane |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |

IV. Training Programme

**PART VII. TRAINING**

**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** |  |  |  |  |  |  |  |  |  |  |
| Organic Farming | 01 | 38 | 6 | 44 | 6 | 0 | 6 | 44 | 06 | 50 |
| ICM | 02 | 44 | 05 | 49 | 0 | 0 | 0 | 44 | 5 | 49 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 01 | 18 | 0 | 18 | 08 | 0 | 08 | 26 | 0 | 26 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 01 | 19 | 11 | 30 | 0 | 0 | 0 | 19 | 11 | 30 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| LAC Cultivation |  |  |  |  |  |  |  |  |  |  |
| **Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 02 | 26 | 58 | 78 | 6 | 5 | 11 | 32 | 63 | 95 |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) | 01 | 28 | 12 | 40 | 3 | 2 | 5 | 31 | 14 | 45 |
| **TOTAL** | **08** | **173** | **92** | **265** | **23** | **7** | **30** | **196** | **99** | **295** |

**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** |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 01 | 70 | 92 | 162 | 20 | 23 | 43 | 90 | 115 | 205 |
| Integrated Nutrient Management | 01 | 30 | 0 | 30 | 0 | 5 | 05 | 30 | 5 | 35 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 02 | 80 | 13 | 93 | 0 | 0 | 0 | 80 | 13 | 93 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** | 01 | 11 | 0 | 11 | 0 | 0 | 0 | 11 | 0 | 11 |
| **g) Fruits** | 01 | 28 | 12 | 40 | 0 | 0 | 0 | 28 | 12 | 40 |
| **Soil Health and Fertility Management** | 01 | 22 | 0 | 22 | 0 | 0 | 0 | 22 | 0 | 22 |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 02 | 13 | 2 | 15 | 2 | 1 | 3 | 15 | 3 | 18 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **Capacity Building and Group Dynamics** | 02 | 114 | 27 | 141 | 19 | 0 | 19 | 133 | 27 | 160 |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **11** | **368** | **146** | **514** | **45** | **23** | **68** | **413** | **169** | **582** |

**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** |
| Entrepreneurial development of farmers/youths |  |  | |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  | |  |  |  |  |  |  |  |  |

**7.D. Training for Rural Youths including sponsored training programmes (off campus) – NIL-**

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial production of vegetables |  |  |  |  |  |  |  |  |  |  |
| **2** | **Production and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Fruit Plants |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Ornamental plants |  |  |  |  |  |  |  |  |  |  |
| 2.c. | Spices crops |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Soil health and fertility management** |  |  |  |  |  |  |  |  |  |  |
| **4** | **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **5** | **Methods of protective cultivation** |  |  |  |  |  |  |  |  |  |  |
| **6** | **Others (pl.specify)** |  |  |  |  |  |  |  |  |  |  |
| **7** | **Post harvest technology and value addition** |  |  |  |  |  |  |  |  |  |  |
| 7.a. | Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **8** | **Farm machinery** |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements |  |  |  |  |  |  |  |  |  |  |
| 8.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **9.** | **Livestock and fisheries** |  |  |  |  |  |  |  |  |  |  |
| **10** | **Livestock production and management** |  |  |  |  |  |  |  |  |  |  |
| 10.a. | Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| 10.b. | Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| 10.c | Fisheries Nutrition |  |  |  |  |  |  |  |  |  |  |
| 10.d | Fisheries Management |  |  |  |  |  |  |  |  |  |  |
| 10.e. | Others (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. | Entrepreneurial development of farmers/youths | 3 | 82 | 9 | 91 | 8 | 1 | 9 | 90 | 10 | 100 |
|  | **Total** | **7** | **180** | **32** | **212** | **22** | **5** | **27** | **202** | **37** | **239** |

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

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 | 4 | 98 | 23 | 121 | 14 | 4 | 18 | 112 | 27 | 139 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| 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. | Entrepreneurial development of farmers/youths | 3 | 82 | 9 | 91 | 8 | 1 | 9 | 90 | 10 | 100 |
|  | **Total** | **7** | **180** | **32** | **212** | **22** | **5** | **27** | **202** | **37** | **239** |

**Details of sponsoring agencies involved**

**1.KSDA Karwar**

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

V. Extension Programmes

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Nature of Extension Programme** | **No. of Programmes** | **No. of Farmers** | **No. of Extention Persons** | **Total No of participants** |
| Field Day | 7 | 510 | 8 | 518 |
| Kisan Mela | 1 | 238 | 6 | 244 |
| Exhibition | 5 | 300618 | 385 | 301003 |
| Method Demonstrations | 20 | 621 | 25 | 646 |
| Farmers Seminar | 1 | 50 | 0 | 50 |
| Workshop | 1 | 38 | 0 | 38 |
| Lectures delivered as resource persons | 50 | 2651 | 357 | 3008 |
| Newspaper coverage | 30 | 0 | 0 | 0 |
| Radio talks | 3 | 0 | 0 | 0 |
| TV talks | 1 | 0 | 0 | 0 |
| Popular articles | 1 | 0 | 0 | 0 |
| Extension Literature | 12 | 0 | 0 | 0 |
| Advisory Services | 68 | 0 | 0 | 0 |
| Scientific visit to farmers field | 146 | 654 | 33 | 687 |
| Farmers visit to KVK | 224 | 0 | 0 | 0 |
| Diagnostic visits | 56 | 215 | 15 | 230 |
| Exposure visits | 6 | 171 | 27 | 198 |
| Animal Health Camp | 1 | 127 | 12 | 139 |
| Celebration of important days : | 5 | 226 | 17 | 243 |
| Any Other | 3 | 249 | 24 | 273 |
| Campaigns | 0 | 0 | 0 |
| Interface Meeting | 1 | 103 | 6 | 109 |
| Awareness Programme | 1 | 100 | 5 | 105 |
| **Total** | **643** | **306571** | **920** | **307491** |

Details of other extension programmes

|  |  |
| --- | --- |
| **Particulars** | **Number** |
| Electronic Media |  |
| Extension Literature | 12 |
| News Letter | 04 |
| News paper coverage | 30 |
| Radio Talks | 03 |
| TV Talks | 01 |
| Animal health amps (Number of animals treated) | 01 |
| Others (pl.specify) |  |
| **Total** | **51** |

**PRODUCTION OF SEED/PLANTING MATERIAL**

**Production of seeds by the KVKs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Crop category | **Name of the crop** | **Name of the variety**  **(if hybrid pl. specify)** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers** |
| Cereals | Paddy | Hemavati | 75 | 232500.00\* |  |
|  |  | Abhilash | 114.5 | 354950.00\* |  |
|  |  | Jaya | 71 | 220100.00\* |  |
|  |  | Intan | 16.5 | 51150.00\* |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| 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 | Drum Stick | Bhagya | 30 | 450.00 | 10 |
| Fruits |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |
| Plantation |  |  |  |  |  |
| Spices |  |  |  |  |  |
| Tuber |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |
| Forest Species | Caliandra |  | 600 | 4800.00 | 01 |
| Flowers |  |  |  |  |  |
| **Total** |  |  |  |  |  |

**Production of Bio-Products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bio Products** | **Name of the bio-product** | **Quantity** | **Value (Rs.)** | **No. of Farmers** |
| **Kg** |
| Root Hormone | IBA | 3.39 | 3955 | 72 |
| **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 2015-16**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 2310 | 2085 | 1230 | 301300.00 |
| Water Samples | 1174 | 1071 | 611 | 58700.00 |
| Plant samples |  |  |  |  |
| Manure samples |  |  |  |  |
| Others (specify) |  |  |  |  |
| Total | **3484** | **3156** | **1841** | **360000** |

VIII. SCIENTIFIC ADVISORY COMMITTEE

|  |
| --- |
| **Number of SACs conducted** |
| 01 7.9.2015 |

**IX. NEWSLETTER**

|  |
| --- |
| **Number of issues of newsletter published** |
| 1. April- May 2015  2. June-July 2015  3. Aug-Sept 2015  4. Oct-Dec-2015 |