**KRISHI VIGYAN KENDRA UTTARA KANNADA**

**ANNUAL REPORT- 2019**

**(FOR THE PERIOD FROM 01 January 2019 TO 31 December 2019)**

PART I - GENERALINFORMATION 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)  kvk.Uttarakannada@icar.gov.in | 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. Manju M J. | - | 9448495345 | manjumjm@yahoo.co.uk |

1.4. Year of sanction:

**1.5. Staff position as on 31 December 2019**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **M/F** | **Discipline** | **Highest Qualification**  **(for PC, SMS and Prog. Asstt.)** | **Pay**  **Scale** | **Basic pay** | **Date of joining KVK** | **Permanent**  **/Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Senior Scientist and Head | Dr.Manju M.J. | Senior Scientist and Head | M | Plant Pathology | Ph.D. | 131400-217100 | 131400 | 23.10.17 | P | SC |
| 2 | Scientist | Dr.Roopa S.Patil | Scientist | F | Agri.  Entomology | Ph.D. | 59800-205500 | 95400 | 03.12.08 | P | Others |
| 3 | Scientist | Shri.Shivashenkarmurthy M. | Scientist | M | Agronomy | M.Sc. | 57700-182400 | 70900 | 28.11.11 | P | SC |
| 4 | Scientist | Shri.Venkatesh . L. | Scientist | M | Agroforestry | MSc. | 57700-182400 | 64900 | 05.05.16 | P | SC |
| 5 | Scientist | Dr.Shweta Biradar | Scientist | F | Home Science | Ph.D. | 57700-182400 | 61200 | 17.02.17 | P | Others |
| 6 | Scientist | Dr.Ranganath G. J. | Scientist | M | Animal Science | Ph.D. | 57700-182400 | 61200 | 18.07.18 | P | Others |
| 7 | Scientist | Shri.Harish D.K | Scientist | M | Horticulture | M.Sc. | 57700-182400 | 61200 | 18.07.19 | P | Others |
| 8 | Programme Assistant (Lab) | Dr. Siddappa Kannur | Technical Officer | M | Agro forestry | Ph.D | 9300-34800 | 18640 | 02.08.13 | P | Others |
| 9 | Programme Assistant (comp) | Smt.Annapurna F. Neeralagi | Technical Officer | F | Computer Science | M.Sc. | 9300-34800 | 18640 | 29.03.10 | P | SC |
| 10 | Farm Manager | Dr. Krishna K. S. | Farm Manager | M | Sericulture | Ph.D. | 9300-34800 | 17040 | 14.02.18 | P | Others |
| 11 | Assistant | Smt.Sumalatha S.P. | Assistant | F | -- | B.Sc | 30350-58250 | 32600 | 05.09.15 | P | SC |
| 12 | Stenographer | Vacant | - | - | - | - | -- | -- | - | - | - |
| 13 | Driver 1 | Shri Basavaraj G Chavadal | Driver (L.V) | M | - | PUC | 21400-42000 | 22400 | 24.07.19 | P | Others |
| 14 | Driver 2 | Vacant | - | - | - | - |  | - | - | - |  |
| 15 | S. staff | Shri. Hajarath A Nadaf | Asst.cook.  cum .care taker | M | -- | 7th | 18600-32600 | 24050 | -- | P | OBC |
| 16 | S. staff 2 | Vacant | - | - | - | - | -- | - | - | - | - |

**1.6. Total land with KVK (in ha): 7ha**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 0.4 |
| 2. | Under Demonstration Units | 0.4 |
| 3. | Under Crops | 4.65 |
| 4. | Orchard/Agro-forestry | 1.15 |
| 5. | Others | 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 | ICAR | - | 611 | 1,40,0000.00 | 19.12.2017 | 611 | Final Finishing Stage |
| 2. | Farmers Hostel | NATP | 2003 | 395.81 | - | - | - | - |
| 3. | Staff Quarters | Nil |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |
| 4. | Demonstration Units | Nil |  |  |  |  |  |  |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |
| 5 | Fencing | Nil |  |  |  |  |  |  |
| 6 | Rain Water harvesting system | Nil |  |  |  |  |  |  |
| 7 | Threshing floor | Nil |  |  |  |  |  |  |
| 8 | Farm godown | Nil |  |  |  |  |  |  |

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Mahindra Bolero | 2017-18 | 800000.00 | 79849 | Good condition |
| Hero Honda passion | 2009-10 | 60000.00 | 28000 | Good condition |
| Big Tractor | 2016-17 | 400000.00 | 12 hours | Good condition |
| Mini Tractor | 2011-12 | 750000.00 | 139 hours | Good condition |
| Greeves Power Tiller | 2015-16 | 255700.00 | 9.75 hours | Good Condition |
| VST Power Tiller | 2010-11 | 121000.00 | 16 hours | Good Condition |
| Weed Cutter | 2019-20 | 12900.00 | 30 hours | Good Condition |

**C) Equipment & 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 | Under repair |
| Thomson CD player | 30-03-2002 | 6,500 | Under repair |
| Sharp VCR | 30-03-2002 | 12,300 | ’’ |
| Computer and accessories | 30-03-2003 | 72,513 | ’’ |
| Public address system | 26-02-2003 | 10,500 | Under repair |
| 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 | Good condition |
| Printer (4 in one) | 31.3.2009 | 13,950 | Good condition |
| Sony DV cam – Portable camera | Jan-2010 | 1,84,000 | Good condition |
| Computer and accessories-HP DC-7000 series (2 Nos) | April-2010 | 77690 | Good condition |
| Lenovo s10-3s Idea pad | 4.02.2011 | 21600 | Good condition |
| Printer- HP 1007 | 30-03-2011 | 4900 | Good condition |
| Oven - Bajaj | March 2011 | 2,800 | Good condition |
| Pepper Diconing | March 2011 | 18,500 | Good condition |
| Generator 7.5 KVA, KIRLOSKER | January 2012 | 81,057 | Good condition |
| Power Sprayer Single Piston | March 2012 | 28,000 | Good condition |
| Digital Cameras Canon A 810 | September 2012 | 5,995 | Good condition |
| Canon SX 150 | September 2012 | 9,995 | Good condition |
| Digital Cameras Canon A 810  Canon SX 150 | December 2012  January 2013 | 4,900  4,900 | Good condition |
| UPS V-Guard | January 2013 | 6,540 | Good condition |
| Grinder | January 2013 | 4,500 | Good condition |
| Coco Butter Extractor | January 2013 | 44,885 | Good condition |
| Ground nut Stripper (3) | January 2013 | 3,350 | Good condition |
| Hand Refractometer | January 2013 | 3,807 | Good condition |
| Banjo- Power operated groundnut stripper | March 2013 | 19474 | Good condition |
| HP Laptop | Jan-2014 | 52000 | Good condition |
| Sugarcane eye bud chipper | March 2014 | 4000 | Good condition |
| Power Safe UPS | March-2014 | 2250 | Good condition |
| Printer | July-2014 | 18500 | Good condition |
| Projector | July-2014 | 45000 | Good condition |
| Digital copier | July-2014 | 162518 | Good condition |
| UPS 650 VA | September 2014 | 1600 | Good condition |
| Iball baton Model | December - 2014 | 2150 | Good condition |
| UPS 1.5 KV | January 2015 | 31122 | Good condition |
| Portable bag sticher | December 2014 | 4800 | Good condition |
| Biometric | January 2015 | 14533 | Good condition |
| Laser Printer | January 2015 | 8600 | Good condition |
| Laser Printer | March 2015 | 8600 | Good condition |
| UPS 650 VA | March 2015 | 2250 | Good condition |
| KVA Stabilizer | 2016 | 4537 | Good condition |
| LG Air conditioners | 2016 | 34253 | Good condition |
| V Guard Stabilizer | 2016 | 2000 | Good condition |
| Sukum 2kva 24v UPS | 2016 | 15,000 | Good condition |
| 150AH Hi-Power tabular battery | 2016 | 13,800 | Good condition |
| Logitech R400 Presenter | 2016 | 4400 | Good condition |
| 16 GB H.P. Pen drive | 2017 | 500 | Good condition |
| Pocket projector | 2017 | 42937 | Good condition |
| SMPS Unit | 2017 | 11450 | Good condition |
| 1.0 T.B. Seagate Hard disc | 2017 | 49000 | Good condition |
| HP LaserJet 128FN Printer | 2017 | 17650 | Good condition |
| Canon lide 120 scanner | 2017 | 4500 | Good condition |
| Double Stevenson screen box | 2017 | 21250 | Good condition |
| Exide MRed 700 L | 2017 | 5900 | Good condition |
| Acer Veriton Computer | 2017 | 1,19,100 | Good condition |
| Shedder | 2017 | 49,820 | Good condition |
| Exide XP 800 Battery | 2017 | 5,900 | Good condition |
| Bolero Vehicle  (SLE 2WD 7 SEATER AC & PS BS45K) | 12.05.2017 | 6,61,543 | Good condition |
| External DVD writer  I Ball Multimedia Speaker | 30.06.2017 | 2,500 | Good condition |
| 1000 GB Seagate External Hard disk | 30.06.2017 | 4,900 | Good condition |
| HP Laptop i 7 | 17.01.2018 | 74,180 | Good condition |
| HP Laptop i 7 | 17.01.2018 | 74,180 | Good condition |
| HP Laptop i 7 | 17.01.2018 | 74,180 | Good condition |
| HP Laptop i 7 | 17.01.2018 | 74,180 | Good condition |
| 32 GB pen drive | 31.01.2018 | 950 | Good condition |
| HP Laserjet Printer  (pro MFP m227sdn) | 05.02.2018 | 25,390 | Good condition |
| HP Laserjet Printer  (pro MFP m227sdn) | 05.02.2018 | 25,390 | Good condition |
| 1 TB Seagat External Hand disk | 16.02.2018 | 3,898 | Good condition |
| HP All in one Laserjet Printer | 27.02.2018 | 15,500 | Good condition |
| RICOH laser printer  (Model SPIII) | 05.03.2018 | 4,799 | Good condition |
| Automatic Macro (250 ml) Black Digestion System (Brand: Tulin equipments) | 18.03.2018 | 1,08,500 | Good condition |
| EPSON Printer  (380 colour ink tank printer (print/scan/copy) | 19.03.2018 | 11,600 | Good condition  (GKMS) |
| Automatic Distillation System,  (Brand: Tulin equipments) | 20.03.2018 | 1,88,550 | Good condition |
| Steam Sterilizer (Horizontal Autoclave)  (Band: Heat control) | 26.03.2018 | 4,22,440 | Good condition |
| HP LaserJet Printer  (Pro MEP M2275dn) | 27.03.2018 | 24,800 | Good condition |
| Mechanical Shaker (HSN # 85143090) (sl. No-LI-17-221) | 27.03.2018 | 49,880 | Good condition |
| HP BR 106 TX Laptop | 28.03.2018 | 58,528 | Good condition  (GKMS) |
| HP Laptop | 28.03.2018 | 77,526 | Good condition |
| Laminar Air flow Chamber | 31.03.2018 | 90,000 | Good condition |
| Digital Balance | 31.03.2018 | 81,479 | Good condition |
| 1 Tb hard Disk | 28.06.2018 | 3363 | Good condition |
| Height measuring rod and Weighing machine | 23.08.2018 | 4900 | Good condition |
| Nikon Camera with lens | 15.10.2018 | 35488 | Good condition |
| V Guard Ceiling Fan | 13.10.2018 | 1295 | Good condition |
| HP laser Printer | 30.01.2019 | 15500 | Good condition |
| PH Meter | 06.02.2018 | 46988 | Good condition |
| Refrigerator | 14.02.2019 | 22850 | Good condition |
| Nikon D3 400 DSLR camera with lens | 22.02.2019 | 40775 | Good condition |
| HP laser Printer | 30.01.2019 | 15500 | Good condition |
| Wooden Revolving Chair and Peacock Chair | 15.03.2019 | 35000 | Good condition |
| Wall Fan | 16.03.2019 | 1850 | Good condition |
| Exide UPS Board | 21.06.2019 | 2200 | Good condition |
| Chair | 26.03.2019 | 9000 | Good condition |
| Visible Specto Photometer | 29.07.2019 | 2950 | Good condition |
| Dell USB Optical Scroll Mouse(02 Nos) | 01.08.2019 | 580 | Good condition |
| Name Plate | 18.11.2019 | 4532 | Good condition |
| Heavy Stapler | 10.10.2019 | 1700 | Good condition |
| I Power Tubulor Battery 60 AW (02 Nos) | 30.12.2019 | 14752 | Good condition |

**1.8. Details of SAC meeting conducted during 2019: NIL**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Number of Participants | Salient Recommendations | Action taken | Remarks, if any |
|  |  |  |  |  |
|  |  |  |  |  |

**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, areca nut 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 late rite soil | Deep, well drained to excessively drained, dark brown to yellowish red and dark reddish brown, sandy clay loam to clay loam surface soils and sandy clay to clay subsurface soils, moderately to severely eroded with surface crusting. |  |
| 3 | Coastal alluvial soils | Deep, well drained and poorly drained, pale brown to dark yellowish brown, sand, sandy loam to loam surface soils and sand to loam subsurface soils. |  |
| 4 | Red gravely clay soils | Deep and shallow, well drained to excessively drained, yellowish brown dark red to reddish brown, gravely sandy loam to sandy clay loam and loamy sand surface soils and no calcareous cracking clay to silty clay soils, moderately to severely eroded. | 144589 |
| 5 | Red clay soils | Deep to moderately deep and hallow, well drained, brown to yellowish red to reddish brown, sandy loam and sandy clay to clay subsurface soils, moderately to severely eroded. | 552877 |
| 6 | Forest soils (Brown forest soil) | Deep to moderately, Deep, well drained to excessively drained, dark brown to dark yellowish brown and black sandy clay to sandy clay loam, humus rich surface soils and clay to sandy clay, gravely sandy clay to clay sub surface soils, moderately to severely eroded. | 291679 |
| 7 | Medium black soils | Shallow, well drained grey to dark grey and brown clay loam and silty clay loam. |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (Metric tons) | Productivity (kg /ha) |
| 1 | Paddy | 61613 | 167061 | 2513 |
| 2 | Maize | 7663 | 16563 | 2951 |
| 3 | Blackgram | 508 | 197 | 388 |
| 4 | Greengram | 542 | 152 | 280 |
| 5 | Cowpea | 403 | 109 | 270 |
|  | Groundnut | 1683 | 3689 | 1591 |
| 6 | Cotton (Bales) | 1075 | 1880 | 249 |
| 7 | Sugarcane | 7064 | 419797 | 83 |
| 8 | Arecanut | 31124.15 | 77699 | 2500 |
| 9 | Coconut (lakh nuts) | 11333.64 | 2071 | 0.18 |
| 10 | Blackpepper | 4109.58 | 2051 | 500 |
| 12 | Ginger | 333.00 | 10229 | 30720 |
| 13 | Cashew | 4300.25 | 9501 | 2210 |
| 14 | Banana | 5694.37 | 189363 | 33250 |
| 15 | Mango | 3155.43 | 59578 | 18880 |
| 16 | Cocoa | 223 | 252 | 1130 |
| 17 | Pineapple | 208 | 15736 | 75460 |
| 18 | Jackfruit | 213 | 10861 | 50830 |
| 19 | Water Melon | 319 | 16266 | 50860 |

\* Source : Statistical Dept, Karwar & DoH, Sirsi

**2.5. Weather data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%)\* |
| Maximum | Minimum |
| January | 1 | 30.4 | 11.2 | 66.4 |
| February | 1 | 33.0 | 14.3 | 66.9 |
| March | 6 | 35.1 | 17.0 | 61.5 |
| April | 18 | 35.3 | 21.2 | 62.5 |
| May | 7 | 34.9 | 22.0 | 63.9 |
| June | 536 | 30.0 | 21.7 | 79.6 |
| July | 1218 | 26.3 | 21.5 | 85.5 |
| August | 1362 | 26.3 | 20.9 | 87.1 |
| September | 562 | 27.4 | 21.1 | 85.4 |
| October | 474 | 29.6 | 20.8 | 81.5 |
| November | 32 | 30.4 | 18.4 | 79.6 |
| December | 3 | 29.9 | 17.5 | 76.0 |

\* Average RH

Source : Rainfall Data : KSDA Karwar, Temperature & RH : AAS Unit, Sirsi

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | **47167** | **Total milk production**  **;17400 liters/day** | **8 liters/day** |
| *Indigenous* | **289788** | **1.5 liters/day** |
| **Buffalo** | **87816** | **3.5 liters/day** |
| **Sheep** | | | |
| Crossbred | **234** | **Total meat production:**  **2637 tonnes** |  |
| *Indigenous* | **4549** |  |
| **Goats** | **8961** |  |
| **Pigs** |  |  |
| *Crossbred* | **469** |  |
| *Indigenous* | **1022** |  |
| **Rabbits** | **508** |  |
| **Poultry** | | | |
| Hens | **537037** | **Egg: 549 lakhs** |  |
| *Desi* |  |  |  |
| *Improved* |  |  |  |
| Ducks |  |  |  |
| Turkey and others |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish |  | **83404 tonnes** |  |
| *Marine* |  |  |  |
| *Inland* |  |  |  |
| Prawn |  |  |  |
| Scampi |  |  |  |
| Shrimp |  |  |  |

1. \* Please provide latest data from authorized sources. Please quote the source:UttaraKannada district statistics 2017-18
   1. District profile maintained in the KVK has been **Updated** for 2019: 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 (specify the years)** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Sirsi | Dodnalli | Achanalli  Dodnalli  Byagadde  Javalagundi  Narebail  Tigani  Dasanakopaa  Kolgi  Gudnapur  Banavasi | 1  1  1  1  2  1  1  1  9  9 | Paddy  Maize  Pulses(Greengram,  Arecanut  Black pepper  Vegetable  Dairy | **Paddy:** Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease  **Pulses**:Poor yield, low fertility, sucking pests  **Arecanut:** Low yield, un scientific drainage, nutdrop and splitting, kole roga  **Black pepper**: Sucking insects, foot rot disease, berry drop, micronutrient deficiency alternate non availability of pepper standards other than arecanut  **Ginger:** Rhizome rot disease, shoot borer  **Dairy :** Reproductive problems, fodder scarcity during summer Mastitis, Micronutrient deficiency, metabolic disorders, FMD, Theilariosis, Babesiosis etc  **Poor Nutrition**  **Underutilization of Jackfruit**, lack of Awareness on **value addition of jackfruit & Banana** | ICM in Paddy  CFLD on pulses  ICM in Arecanut  ICM in Black pepper  ICM in Ginger  Disease management(RB, CIDR, Mastitis), Demonstration of Guinea and Stylo grasses  Nutrition garden  Value addition of Jackfruit  Value Addition of Banana - Chips |
| 2 | Mundagod | Malagi | Haraganahalli  Malgi | 2  4 | Paddy  Maize  Pulses(Greengram, Blackgram)  Arecanut  Black pepper  Vegetable  Dairy | **Paddy:** Poor soil, insect pests (stem boer, ear head bug,BPH) Blast disease  **Pulses**:Poor yield, low fertility, sucking pests  **Maize:** Rootrot,Weed, low yield, Fall army worm  **Arecanut:** Low yield, un scientific drainage, nutdrop and splitting, kole roga  **Black pepper**: Sucking insects, foot rot disease, berry drop, micronutrient deficiency  **Dairy:**  fodder scarcity during summer, Mastitis. FMD | ICM in Paddy  ICM on pulses  ICM in maize with Special emphasis on weed management  Nutrient and disease management  Integrated Pest Management  Integrated Nutrient Management  Guinea grass and stylosanthus demonstration |
| 3 | Haliyal | Sambrani | Tippanageri  Shekanakatta | 1  1 | Cotton  Mango | **Cotton :** Low yield, sucking insects, boll and square drop, drudgery in picking/harvesting  **Mango:**Micro nutrient deficiency, fruit drop, powdery mildew, hoppers, fuitfly | ICM in *Bt*. Cotton  ICM in Mango |
| 4 | Kumta | Kalbhag | Kalbhag  Alvekodi  Kodkani  Kaire  Bastipete  Holanagadde  Chittekambi  Khaire | 2  1  1  1  5  1  1 | Coconut  Watermelon  Groundnut  Onion  Poultry | **Coconut:** Rugose spiralling whitefly  **Water melon**: pest, disease, low yield  **Groundnut**:Poor yield, Leaf miner, tikka disease  **Onion:** Twisting in onion  **Poultry:** Local bird, low weight gain and egg production | IPM in coconut  IPM in Water melon  ICM on groundnut (CFLD)  Disease Management  Evaluation of poultry breeds |

**Details of Benchmark Information collected from DFI villages:**

| **Sl.No.** | **Taluk** | **Name of the block** | **Name of the village** | **Name of the Head of Household** | **Annual Gross Income (Rs.)** | **Annual Expenditure (Rs.)** | **Annual Net Income (Rs.)** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Mundgod | Malagi | Haraganahalli | Nagavva Hanagal | 80550 | 34560 | 45990 |
| 2 | Mundgod | Malagi | Haraganahalli | Lakshman Hanagal | 86400 | 31680 | 54720 |
| 3 | Mundgod | Malagi | Haraganahalli | Hazarat Ali | 95600 | 40800 | 54800 |
| 4 | Mundgod | Malagi | Haraganahalli | Basavanni Ningappa Harijan | 92600 | 36780 | 55820 |
| 5 | Mundgod | Malagi | Haraganahalli | Ashabi Dasanakoppa | 76700 | 26900 | 49800 |
| 6 | Mundgod | Malagi | Haraganahalli | Pakirappa Shringeri | 125850 | 48680 | 77170 |
| 7 | Mundgod | Malagi | Haraganahalli | Mahadevappa Hanagal | 94850 | 45600 | 49250 |
| 8 | Mundgod | Malagi | Haraganahalli | Kamalavva | 105600 | 46900 | 58700 |
| 9 | Mundgod | Malagi | Haraganahalli | Naanesab | 65400 | 38400 | 27000 |
| 10 | Mundgod | Malagi | Haraganahalli | Mantheshkaller | 110640 | 52700 | 57940 |
| 11 | Mundgod | Malagi | Haraganahalli | Hanumatnappa Shringeri | 135620 | 59600 | 76020 |
| 12 | Mundgod | Malagi | Haraganahalli | Maruti Kaale Bail | 128630 | 45800 | 82830 |
| 13 | Mundgod | Malagi | Haraganahalli | Manjappa Hanagal | 64200 | 29870 | 34330 |
| 14 | Mundgod | Malagi | Haraganahalli | Parvati | 98460 | 36400 | 62060 |
| 15 | Mundgod | Malagi | Haraganahalli | Ganapati Haraganalli | 128600 | 51200 | 77400 |
| 16 | Mundgod | Malagi | Haraganahalli | Yellappa Veerapur | 34500 | 20520 | 13980 |
| 17 | Mundgod | Malagi | Haraganahalli | Pakeerapppa | 96560 | 42300 | 54260 |
| 18 | Mundgod | Malagi | Haraganahalli | Kariyappabhavi | 84200 | 35700 | 48500 |
| 19 | Mundgod | Malagi | Haraganahalli | Mallappa | 78680 | 30080 | 48600 |
| 20 | Mundgod | Malagi | Haraganahalli | Shivaputrappa Hanagal | 46820 | 20600 | 26220 |
| 21 | Mundgod | Malagi | Haraganahalli | Bhangarappa | 135600 | 56340 | 79260 |
| 22 | Mundgod | Malagi | Haraganahalli | Jagadish Patil | 250600 | 120800 | 129800 |
| 23 | Mundgod | Malagi | Haraganahalli | Devendrappa Mallappa | 52630 | 20850 | 31780 |
| 24 | Mundgod | Malagi | Haraganahalli | Abdul Rahim | 156080 | 64020 | 92060 |
| 25 | Mundgod | Malagi | Haraganahalli | Mahamad Sharif Angadi | 268450 | 138700 | 129750 |
| 26 | Mundgod | Malagi | Haraganahalli | Basavanthappa | 36450 | 16800 | 19650 |
| 27 | Mundgod | Malagi | Haraganahalli | Abdul Munaf | 195640 | 96870 | 98770 |
| 28 | Mundgod | Malagi | Haraganahalli | Shekappa | 78950 | 38400 | 40550 |
| 29 | Mundgod | Malagi | Haraganahalli | Girijavva | 94880 | 41200 | 53680 |
| 30 | Mundgod | Malagi | Haraganahalli | Barmannavar | 54800 | 22500 | 32300 |
| 31 | Mundgod | Malagi | Haraganahalli | Rangamma Hanagal | 95570 | 37850 | 57720 |
| 32 | Mundgod | Malagi | Haraganahalli | Pawan Kumar Patil | 90500 | 38720 | 51780 |
| 33 | Haliyal | Sambrani | Tippanageri | Pundalika Kendari Kuradi | 186000 | 184000 | 2000 |
| 34 | Haliyal | Sambrani | Tippanageri | Ningappa N Gowda | 304800 | 227600 | 77200 |
| 35 | Haliyal | Sambrani | Tippanageri | Ningappa Babu Gowda | 201000 | 179600 | 21400 |
| 36 | Haliyal | Sambrani | Tippanageri | Gurunath Mavalu Omana Gowda | 115000 | 106600 | 8400 |
| 37 | Haliyal | Sambrani | Tippanageri | Gowra Mavalu Omana Gowda | 79000 | 62000 | 17000 |
| 38 | Haliyal | Sambrani | Tippanageri | Pundalika Ballappa Ambanachari | 108000 | 99000 | 9000 |
| 39 | Haliyal | Sambrani | Tippanageri | Hoovappa Kallappa Gouda | 260000 | 182000 | 78000 |
| 40 | Haliyal | Sambrani | Tippanageri | Ravalu Ommana Gouda | 196000 | 122000 | 74000 |
| 41 | Haliyal | Sambrani | Tippanageri | Vittala Nagappa Gouda | 265000 | 253000 | 12000 |
| 42 | Haliyal | Sambrani | Tippanageri | Mahadev Neelkanta Satmankar | 336000 | 272600 | 63400 |
| 43 | Haliyal | Sambrani | Tippanageri | Ganapati Mahabaleswara Bhagwathkar | 417000 | 350000 | 67000 |
| 44 | Haliyal | Sambrani | Tippanageri | Panduranga Chayappa Bhagwatkar | 372000 | 280000 | 92000 |
| 45 | Haliyal | Sambrani | Tippanageri | Babu Kareppa Kashikar | 407000 | 326000 | 81000 |
| 46 | Haliyal | Sambrani | Tippanageri | Hemanth Narayana Bhagwatkar | 316800 | 289000 | 27800 |
| 47 | Kumta | Kalbhag | Alvekodi | Ganapati Parameswara Patagar | 420000 | 319000 | 101000 |
| 48 | Kumta | Kalbhag | Alvekodi | Laxmi Ramesh Patagar | 105000 | 82000 | 23000 |
| 49 | Kumta | Kalbhag | Alvekodi | Sadashiva Timmapaa Patagar | 113000 | 92000 | 21000 |
| 50 | Kumta | Kalbhag | Alvekodi | Venkatesh Ganapati Naik | 208000 | 176000 | 32000 |
| 51 | Kumta | Kalbhag | Alvekodi | Hosabayya Timmappa Patagar | 90000 | 72000 | 18000 |
| 52 | Kumta | Kalbhag | Alvekodi | Shridhr V Naik | 95000 | 44500 | 50500 |
| 53 | Kumta | Kalbhag | Alvekodi | Shridhar K Naik | 67750 | 25000 | 40750 |
| 54 | Kumta | Kalbhag | Alvekodi | Kamalakar R Naik | 198000 | 65500 | 132500 |
| 55 | Kumta | Kalbhag | Alvekodi | Chandrashekhar Naik | 82000 | 46500 | 35500 |
| 56 | Kumta | Kalbhag | Alvekodi | Jagadish Naik | 108750 | 21000 | 87750 |
| 57 | Sirsi | Dodnalli | Achnalli | Suresh Venkataramana Bhat | 303600 | 254600 | 49000 |
| 58 | Sirsi | Dodnalli | Achnalli | Parvathi Mahabaleswar Jogi | 92400 | 88600 | 3800 |
| 59 | Sirsi | Dodnalli | Achnalli | Maruthi Bangarya Jogi | 366600 | 362000 | 4600 |
| 60 | Sirsi | Dodnalli | Achnalli | Irappa S Jogi | 98200 | 73400 | 24800 |
| 61 | Sirsi | Dodnalli | Achnalli | Bhaskar Nagya Jogi | 72000 | 61000 | 11000 |
| 62 | Sirsi | Dodnalli | Achnalli | Krishna Nagya Jogi | 244000 | 178000 | 66000 |
| 63 | Sirsi | Dodnalli | Achnalli | Lokesh Hedge | 254000 | 195000 | 59000 |
| 64 | Sirsi | Dodnalli | Achnalli | K S Kenchappa | 438290 | 260400 | 177890 |
| 65 | Sirsi | Dodnalli | Achnalli | Hanumanth Somalinga Jogi | 256200 | 177000 | 79200 |
| 66 | Sirsi | Dodnalli | Achnalli | Sathish Goudru | 404000 | 373000 | 31000 |
| 67 | Sirsi | Dodnalli | Achnalli | Veerendra Sadashiva Gouda | 218000 | 182000 | 36000 |
| 68 | Sirsi | Dodnalli | Achnalli | Ravindra Bangarapa Gouda | 439000 | 368000 | 71000 |
| 69 | Sirsi | Dodnalli | Achnalli | Jayaraj Basavaraj Goudru | 241600 | 219000 | 22600 |
| 70 | Sirsi | Dodnalli | Achnalli | Kamalakar Basya Jogi | 414960 | 267600 | 147360 |
| 71 | Sirsi | Dodnalli | Achnalli | Madhu Basya Jogi | 232160 | 181000 | 51160 |
| 72 | Sirsi | Dodnalli | Achnalli | Surendra Bangarya Gouda | 423200 | 242000 | 181200 |
| 73 | Sirsi | Dodnalli | Achnalli | Manjunath Bangarya Jogi | 206000 | 169000 | 37000 |
| 74 | Sirsi | Dodnalli | Achnalli | Bangari Hanumanth Jogi | 282000 | 138000 | 144000 |
| 75 | Sirsi | Dodnalli | Achnalli | Ganapathi Bhima Jogi | 94400 | 91000 | 3400 |
| 76 | Sirsi | Dodnalli | Achnalli | Chidanandha Nagya Jogi | 194600 | 111000 | 83600 |
| 77 | Sirsi | Dodnalli | Achnalli | Rudragouda Subhavathi | 421000 | 265000 | 156000 |
| 78 | Sirsi | Dodnalli | Dodnalli | Subraya Nagapathi Hedge | 653300 | 530000 | 123300 |
| 79 | Sirsi | Dodnalli | Dodnalli | Sridhar Ramappa Hosabale | 956000 | 386000 | 570000 |
| 80 | Sirsi | Dodnalli | Dodnalli | Basya Guthya Chalavadi | 91250 | 48500 | 42750 |
| 81 | Sirsi | Dodnalli | Dodnalli | Ashoka Krishna Hegde | 164400 | 125000 | 39400 |
| 82 | Sirsi | Dodnalli | Javalagundi | Savan Venkatesh Vernekar | 604400 | 505000 | 99400 |
| 83 | Sirsi | Dodnalli | Dodnalli | Kumudha Satyanarayana Hegde | 112800 | 73000 | 39800 |
| 84 | Sirsi | Dodnalli | Dodnalli | Manjunath Chandrashekar Hegde | 598800 | 469400 | 129400 |
| 85 | Sirsi | Dodnalli | Dodnalli | Krishna Venkataramana Hegde | 504000 | 229000 | 275000 |
| 86 | Sirsi | Dodnalli | Achnalli | Megaraj Nagaraj Gouda | 896000 | 507000 | 389000 |
| 87 | Sirsi | Dodnalli | Achnalli | Bangarya Nagya Jogi | 396400 | 242000 | 154400 |
| 88 | Sirsi | Dodnalli | Achnalli | Basavaraj Bangarappa Gouda | 438000 | 216000 | 222000 |
| 89 | Sirsi | Dodnalli | Achnalli | Harichandra Bangarya Jogi | 177000 | 155000 | 22000 |
| 90 | Sirsi | Dodnalli | Achnalli | Ananth Bangarya Jogi | 196800 | 135000 | 61800 |
| 91 | Sirsi | Dodnalli | Achnalli | Somashekar Shekar Gouda | 663960 | 385600 | 278360 |
| 92 | Sirsi | Dodnalli | Achnalli | Nagendra Kariya Jogi | 245600 | 161000 | 84600 |
| 93 | Sirsi | Dodnalli | Achnalli | Huliya Somalinga Jogi | 291200 | 125000 | 166200 |
| 94 | Sirsi | Dodnalli | Achnalli | Prakash Kariya Jogi | 168600 | 122000 | 46600 |
| 95 | Sirsi | Dodnalli | Achnalli | Gajanana Baira Jogi | 112000 | 108000 | 4000 |
| 96 | Sirsi | Dodnalli | Dodnalli | Parameswar Venkataramana Bhat | 239000 | 165000 | 74000 |
| 97 | Sirsi | Dodnalli | Dodnalli | Shripadh Ganapathi Hegde | 829200 | 528800 | 300400 |
| 99 | Haliyal | Sambrani | Shekanakatta | Vishnu Chayappa Baghvathkar | 446000 | 353000 | 93000 |
| 100 | Haliyal | Sambrani | Shekanakatta | Hanumanth Narayan Bhagvathkar | 316800 | 289000 | 27800 |
| 101 | Haliyal | Sambrani | Shekanakatta | Santhosh Govindha Bhagvathkar | 216000 | 181400 | 34600 |
| 102 | Haliyal | Sambrani | Shekanakatta | Yellappa Bhagvathkar | 177600 | 172800 | 4800 |

**2.10 Priority thrust areas**

|  |  |
| --- | --- |
| S. No | Thrust area |
| 1  2  3  4  5  6  7  8  9  10  11  12  13 | Integrated Crop Management  High Yielding Variety  Integrated Nutrient Management  Integrated Pest Management  Farm Mechanization  Integrated Disease Management  Integrated Weed Management  Soil and Water conservation  Integrated Farming System  Income Generating Activities  Nutrition  Agro forestry  Livestock production and management |

**PART III - TECHNICAL ACHIEVEMENTS (2019)**

**3.A. Target and Achievements of mandatory activities**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OFT** | | | | **FLD** | | | |
| **1** | | | | **2** | | | |
| **OFTs (No.)** | | **Farmers (No.)** | | **FLDs (No.)** | | **Farmers (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 7 | 7 | 29 | 34 | 13 | 12 | 90 | 91 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training** | | | | **Extension Programmes** | | | |
| **3** | | | | **4** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 60 | 49 | 2000 | 1887 | 750 | 738 | 30000 | 27569 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Q)** | | **Planting material (Nos.)** | |
| **5** | | **6** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 150 | 135.9 | 20000 | 23789 |
|  |  |  |  |

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

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

| **S. No** | **Thrust area** | **Crop/**  **Enterprise** | **Identified Problem** | **Interventions** | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT if any** | **Title of FLD if any** | **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** | |
| **1** | Integrated Cop Management | Paddy | Poor soil, Low yield, insect pests (stem borer, ear head bug, BPH) Blast disease |  | ICM in Paddy | 2 | 0 | 0 | FV: 14 | PSB-68:2.25  Hemavati:0.5  Diancha: 0.5 | - | - | Azospirillum: 5kg  PSB: 5kg | |
| **2** | Integrated Cop Management | Maize | Rootrot,Weed, low yield, Fall army worm |  | ICM in Maize with special emphasis on weed and nutrient management | 6 | 0 | 0 | FV: 14 | - | - | - | - | |
| **3** | Integrated Cop Management | *Bt.* cotton | Low yield, Low yield, sucking insects, boll and square drop, drudgery in picking/harvesting |  | ICM in Bt. Cotton | 0 | 0 | 0 | FV: 4 | Bhendi: 0.005 | - | - | - | |
| **4** | Integrated Cop Management | Groundnut | Poor yield, tikka disease, leaf miner |  | ICM in Groundnut | 1 | 0 | 0 | FV: 06  MD:02  FD:01 | Groundnut:22.5 | 0 | 0 | Rhizobium : 37kg  PSB:37kg  Trichoderms:15kg | |
| **5** | Integrated Cop Management | Blackgram | Poor yield, sucking insects |  | ICM in Blackgram | 1 | 0 | 0 | FV: 5  MD:02  FD:01 | Blackgram:7.5 | 0 | 0 | Rhizobium : 38kg  PSB:38kg  Trichoderms:8kg | |
| **6** | Integrated Cop Management | Greengram | Poor yield, sucking insects |  | ICM in Greengram | 1 | 0 | 0 | FV: 5  MD:02  FD:01 | Greengram:7.5 |  |  | Rhizobium : 38kg  PSB:38kg | |
| **7** | Integrated Cop Management | Arecanut | Low yield, un scientific drainage, nutdrop and splitting, kole roga |  | ICM in Arecanut | 5 | 0 | 0 | FV: 10  MD: 02 | 0 | 0 | 0 | 0 | |
| **8** | Pest & Disease management | Black pepper | Sucking insects  Scales  Mealy bugs | Eco-friendly management of sucking pests in Black pepper | - | 0 | 0 | 0 | FV: 4 | 0 | 0 | 0 | 0 | |
| **9** | Pest & Disease management | Black pepper | Wilt disease in black pepper | Evaluation of grafting technology to manage wilt disease in black pepper |  | 03 | 0 | 0 | FV: 8  FD:01  MD: 02 | 0 | 150 | 0 | 0 | |
| **10** | Pest & Disease management | Kumta Onion | * Twisting problem * Sucking insects | Management of Twisting problem in Kumata Onion |  | 0 | 0 | 0 | FV:01 | 0 | 0 | 0 | Pseudomonas: 1.25kg  Trichoderma: 2.5 kg | |
| **11** | Pest & Disease Management | Ginger | * Rhizome rot complex * Low yield |  | Rhizome rot disease management in Ginger | 01 | 0 | 0 | FD : 01  MD: 01  FV: 5 | 0 | 0 | 0 | 0 | |
| **12** | Varietal evaluation | Paddy | * Low yield * Moisture stress * Lack of short duration variety | Assessment of Sabhagidhan paddy variety | - | 01 | 0 | 0 | FV: 6 | Seeds: 1 | - | - | - | |
| **13** | Varietal evaluation | Banana | * Lack of suitable variety for processing * Low yield | Evaluation of banana varieties for making processed food products |  | 0 | 0 | 0 | FV:02  MD: 02 | 0 | 696 | 0 | 0 | |
| **14** | Livestock Disease Management | Dairy |  |  | Demonstration of modified PG protocol in RB cows | 1 | - | 1 | FV:03 | - | - | - | - | - |
| **15** | Livestock Disease Management | Dairy |  |  | Demonstration of CIDR synch in anoestrus animals | - | - | 1 | FV:03 | - | - | - | - | - |
| **`16** | Livestock Disease Management | Dairy | * Subclinical & clinical * Mastitis * Low SNF |  | Demonstration on Preventive strategies for subclinical and clinical mastitis | 02 | 0 | 0 | FV:02  MD:01 | 0 | 0 | 0 | 0 | 0 |
| **17** | Fodder Production | Guinea, Stylo Grass | Fodder scarcity |  | Demonstration on improved Guinea and stylo grasses in bettaland and on bunds | 03 | 0 | 0 | FV:06 | 0 | 0 | 0 | 0 | 0 |
| **18** | Assessment of breeds | Backyard poultry | * Local birds * Low weight gain and egg production | Assessing the performance of backyard poultry varieties | - | - | - | - | FV:02  GD: 01 | 0 | 0 | Chicks: 180 | 0 | 0 |
| 19 | Nutritional Security | Nutritional Garden for farm families | Poor nutrition status |  | Nutritional Garden for farm families | 3 | 0 | 0 | 0 | SeedKit | 0 | 0 | 0 | 0 |
| 20 | Farm Machinery | Arecanut | * Skilled labour scarcity | Evaluation of arecanut harvesting machine and equipment |  | 1 | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 21 | IGA | Up scaling the marketing of jackfruit through value addition (chips) | * Under utilization of Jackfruit, lack of Awareness on value addition of jackfruit |  | Up scaling the marketing of jackfruit through value addition (chips) | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 22 | IGA | Value Addition of Banana - Chips | * Unemployment, lack of Awareness on value addition of banana |  | Value Addition of Banana - Chips | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No** | **Title of Technology** | **Source of technology** | **Crop/enterprise** | **No.of programmes conducted** | | | |
| **OFT** | **FLD** | **Training** | **Others (Specify)** |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** |
| 1 | ICM in Paddy | UASD | Paddy |  | 1 | 15 | FD: 2, MD: 30 |
| 2 | Weed, nutrient and FAW management in Maize | UASD | Maize |  | 1 | 9 | MD:1 |
| 3 | ICM in Bt. Cotton | UASD | Bt. Cotton |  | 1 | 1 | 0 |
| 4 | ICM in Groundnut | UASD | Groundnut |  | 2 | 3 | FD:01 |
| 5 | ICM in Pulses | UASD | Blackgram,greengram |  | 2 | 1 | FD:02 |
| 6 | ICM in Arecanut | CPCRI | Arecanut |  | 1 | 15 | FD:01 |
| 7 | Rhizome rot disease management in Ginger | UASD | Ginger |  | 1 | 1 | FD:01, MD:01 |
| 8 | Foot rot disease management | UHS(B) & IISR, Kozhikode | Blackpepper | 1 | 1 | 1 | FD:01,MD:02 |
| 9 | Demonstration of modified PG protocol in RB cows | KVASFU-Bidar | Livestock |  | 1 | 6 | 0 |
| 10 | Demonstration of CIDR synch in anoestrus animals |  | Livestock |  | 2 | 5 | 0 |
| 11 | Demonstration on Preventive strategies for subclinical and clinical mastitis | IVRI,Itanagar | Livestock |  | 1 | 6 | 0 |
| 12 | Demonstration on improved Guinea and stylo grasses in bettaland and on bunds | UASD | Guinea, stylo |  | 1 | 3 | 0 |
| 13 | Nutritional Garden for farm families | UASD | Vegetables | 0 | 0 | 4 | World Food Day |
| 14 | Value Addition of Banana - Chips | UASD | Banana | 0 | 0 | 1 | Method demo - 01 |
| 15 | Assessment of Sabhagidhan paddy variety | CRRI | Paddy | 1 | 0 | 0 | 0 |
| 16 | Evaluation of banana varieties for making processed food products | NRC for Banana, Tiruchirapalli and UHS(B) | Banana | 1 | 0 | 0 | 0 |
| 17 | Assessing the performance of backyard poultry varieties | CARI, Ijjatanagar & PD Hyderabad | Poultry | 1 | 0 | 1 | GD:01 |

**3.B2 contd..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of farmers covered** | | | | | | | | | | | | | | | |
| **OFT** | | | | **FLD** | | | | **Training** | | | | **Others (Specify)** | | | |
| **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | |
| **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** |
| **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| 0 | **0** | **0** | **0** | 11 | 0 | 0 | 0 | 266 | 163 | 77 | 33 | 146 | 52 | 5 | 5 |
| 0 | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **62** | **48** | **32** | **18** | **6** | **0** | **4** | **0** |
| **0** | **0** | **0** | **0** | **10** | **0** | **0** | **0** | **3** | **12** | **0** | **5** | **0** | **0** | **0** | **0** |
| **0** | **0** | **0** | **0** | **75** | **0** | **0** | **0** | **43** | **28** | **16** | **7** | **19** | **3** | **0** | **0** |
| **0** | **0** | **0** | **0** | **122** | **47** | **1** | **0** | **28** | **12** | **0** | **0** | **35** | **8** | **0** | **0** |
| **0** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **251** | **91** | **43** | **25** | **18** | **17** | **0** | **0** |
| **0** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **15** | **3** | **3** | **0** | **37** | **19** | **0** | **0** |
| **5** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **17** | **12** | **3** | **2** | **29** | **0** | **0** | **0** |
| **0** | **0** | **0** | **0** | **6** | **0** | **0** | **1** | **217** | **72** | **32** | **19** | **0** | **0** | **0** | **0** |
| **0** | **0** | **0** | **0** | **5** | **0** | **0** | **0** | **57** | **27** | **24** | **12** | **0** | **0** | **0** | **0** |
| **0** | **0** | **0** | **0** | **8** | **0** | **2** | **0** | **251** | **99** | **69** | **46** | **15** | **5** | **8** | **4** |
| **0** | **0** | **0** | **0** | **12** | **0** | **4** | **0** | **44** | **30** | **0** | **0** | **0** | **0** | **0** | **0** |
| **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **15** | **63** | **0** | **0** | **18** | **30** | **8** | **4** |
| **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **0** | **10** | **0** | **0** | **0** |
| **10** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| **5** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **8** | **0** | **0** | **0** | **8** | **0** | **0** | **0** |

**PART IV - On Farm Trial (2019)**

**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** | 1 |  |  |  |  | 1 |  |  |  | 2 |
| **Integrated Pest Management** |  |  |  | 1 |  |  |  |  |  | 1 |
| **Integrated Crop Management** |  |  |  |  |  |  |  |  |  |  |
| **Integrated Disease Management** |  |  |  | 1 | 1 |  |  |  |  | 2 |
| **Small Scale Income Generation Enterprises** |  |  |  |  |  |  |  |  |  |  |
| **Weed Management** |  |  |  |  |  |  |  |  |  |  |
| **Resource Conservation Technology** |  | 1 |  |  |  |  |  |  |  | 1 |
| **Farm Machineries** |  |  |  |  |  |  |  | 1 |  | 1 |
| **Integrated Farming System** |  |  |  |  |  |  |  |  |  |  |
| **Seed / Plant production** |  |  |  |  |  |  |  |  |  |  |
| **Value addition** |  |  |  |  |  |  |  |  |  |  |
| **Drudgery Reduction** |  |  |  |  |  |  |  |  |  |  |
| **Storage Technique** |  |  |  |  |  |  |  |  |  |  |
| **Mushroom cultivation** |  |  |  |  |  |  |  |  |  |  |
| **Total** | **1** | **1** |  | **2** | **1** | **1** |  | **1** |  | **7** |

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

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Piggery** | **Rabbit** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds |  | 1 |  |  |  | 1 |
| Nutrition Management |  |  |  |  |  |  |
| Disease of Management |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |
| **TOTAL** |  | **1** |  |  |  | **1** |

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

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

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technology assessed** | **No. of trials** | **Number of farmers** | **Area in ha (Per trial covering all Technological Options in a farm)** |
| Integrated Nutrient Management |  |  |  |  |  |
|  |  |  |  |  |
| Varietal Evaluation | Paddy | Assessment of Sabhagidhan paddy variety | 10 | 10 | 0.4 |
| Banana | Evaluation of banana varieties for making processed food products | 3 | 3 | 0.4 |
| Integrated Pest Management | Blackpepper | Eco-friendly management of sucking pests in Black pepper | 5 | 5 | 0.48 |
|  |  |  |  |  |
|  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Disease Management | Blackpepper | Evaluation of grafting technology to manage wilt disease in black pepper | 3 | 3 | 0.4 |
| Onion | Management of Twisting problem in Kumata Onion | 5 | 5 | 0.2 |
|  |  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
|  |  |  |  |  |
| Farm Machineries | Arecanut | Evaluation of Areca nut harvesting equipment and machine | 5 | 5 | - |
|  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
|  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |
|  |  |  |  |  |
| Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technology assessed** | **No. of trials** | **Number of farmers** | **Area in ha (Per trial covering all Technological Options in a farm)** |
| Integrated Nutrient Management |  |  |  |  |  |
|  |  |  |  |  |
| Varietal Evaluation |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
|  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
|  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |
|  |  |  |  |  |
| Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  |  |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Thematic areas** | **Name of the livestock enterprise** | **Name of the technology assessed** | **No. of trials** | **No. of farmers** |
| Evaluation of breeds | Poultry | Assessing the performance of backyard poultry varieties | **5** | **5** |
| Nutrition management |  |  |  |  |
| Disease management |  |  |  |  |
| Value addition |  |  |  |  |
| Production and management |  |  |  |  |
| Feed and fodder |  |  |  |  |
| Small scale income generating enterprises |  |  |  |  |
| **Total** | | | **5** | **5** |

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

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

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

| **Crop/ enterprise** | **Farming situation** | **Problem definition** | **Title of OFT** | **No. of**  **trials** | **Technology Assessed** | **Source of technology** | **Yield** | **Unit of yield** | **Observations other than yield** | **Gross Return Rs. / unit** | **Net Return Rs. / unit** | **BC Ratio (Gross income/ Gross Cost)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **1** | **2** | **3** | **4** | **5** | **6** | **7** | **8** | **9** | **10** | **11** | **12** | **13** |
| Paddy | Rainfed | * Low yield * Moisture stress | Assessment of Sabhagidhan paddy variety | 10 | TO1: MTU-1001 | UAS Dharwad | 50.1 | q/ha | **Maturity:** 135.8 | 90560 | 42310 | 1.88 |
| TO2: MGD-101 | UAS Dharwad | 52.5 | q/ha | 135 | 94180 | 45930 | 1.95 |
| TO3: Sabagidhan | CRRI | 63.6 | q/ha | 121.5 | 108600 | 60350 | 2.25 |
| Black pepper | Irrigated | * Sucking insects * Scales * Mealy bugs | Eco-friendly management of sucking pests in Black pepper | 5 | TO1: Spraying with Dimethoate 2 ml/l | - | 16.92 | q/ha | Coccinellid Population(%): 0  Sucking Insects:0.43 | 524416 | 389166 | 3.91 |
| TO2: Spraying with Neem soap @ 10g/l | IIHR, Bengaluru | 16.68 | q/ha | 0.15  0.62 | 517183 | 370416 | 3.52 |
| TO3: Spraying with Pongamia soap @10 g /l | IIHR, Bengaluru | 16.17 | q/ha | 0.01  0.98 | 501166 | 354600 | 3.41 |
| TO4: Spraying with Neem oil @ 0.3% | IISR, Calicut | 16.60 | q/ha | 0.0  0.55 | 514600 | 368333 | 3.51 |
| Kumata Onion | Irrigated | * Twisting problem | Management of Twisting problem in Kumata Onion | 5 | TO1: Spraying with different combination of pesticides |  | 127.3 | q/ha |  | 356440 | 280340 | 4.56 |
| TO2: Soil application of Neem cake 5 q/ha + trichoderma 5 kg/ha  Seed treatment with Carbendazim @ 2g/kg and seedling dip with *Pseudomonas florescens* 10 g/l,  Spraying with Hexaconazole 0.1 %  Multi K 5g/l and Boron 2g/l | Adhoc recommendation ( Results of NABARD project) | 132 | q/ha |  | 369600 | 293200 | 4.71 |
| Banana  **Ongoing** | Rainfed | * Lack of suitable variety for processing * Low yield | Evaluation of banana varieties for making processed food products | 3 | TO1: G-9 banana variety | UAS D | - | - | Survival (%)- | - | - | - |
| TO2: Nendran banana variety | UHS (B) | - | - | 75 | - | - | - |
| TO3: Udhayam banana variety | NRC for Banana, Tiruchirapalli | - | - | 80 | - | - | - |
| Black pepper  **Ongoing** | Irrigated | * Wilt disease in black pepper | Evaluation of grafting technology to manage wilt disease in black pepper | 3 | TO1: Planting of rooted runner shoot cuttings followed by Bordeaux Mixture spray |  | - | - | Seedling Survival (%):- | - | - | - |
| TO2:Planting of rooted runner shoot cuttings followed by application of carbofuran granules (50gm) and Metalaxyl (0.125%), Bordeaux Mixture spray | UHS (B) | - | - | 83.33 | - | - | - |
| TO3: Planting of Panniyur-1 + *Piper colubrinum g*rafted plant | IISR, Kozhikode | - | - | 76.66 | - | - | - |
| TO4:Planting of Karimunda + *Piper colubrinum g*rafted plant | IISR, Kozhikode | - | - | 75 | - | - | - |
| Arecanut | - | * Labor scarcity during   peak harvesting period   * Risk of harvesting | Evaluation of Arecanut harvesting equipment and machine | 5 | TO1: Manual climbing and harvesting | -` | - | - | Efficiency (minutes/Tree): 2.32  Harvesting cost/ha (Rs.) : 18300  Cost reduction / ha(%): - | - | - | - |
| TO2: Telescopic model harvester | Private firm | - | - | 1.02  5100  72.13 | - | - | - |
| TO3: Betelnut reaper (Arecanut harvester) | Agrimart | - | - | 5.44  12100  3385 | - | - | - |
| Poultry  **On-going** | - | * Local birds * Slow growth and low egg production | Assessing the performance of backyard poultry varieties | 5 | TO1-farmer practice |  | - | - | Mortality rate (%): 5  Weight Gain(kg): 0.72 | - | - | - |
| TO2-Srinidhi | PD on poultry, Hyderabad | - | - | 1.6  1.99 | - | - | - |
| TO3-Gramapriya | PDP, Hyderabad | - | - | 18  1.42 | - | - | - |
| TO4-Cari-nirbhik | CARI, Ijjatanagar | - | - | 16.6  0.944 | - | - | - |

4.C2. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs): NIL

1. Title of Technology Assessed

2. Performance of the Technology on specific indicators

3.Specific Feedback from farmers

4.Specific Feedback from Extension personnel and other stakeholders

5. Feedback to Research System based on results and feedback received

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop/ enterprise | Farming situation | Problem definition | Title of OFT | No. of  trials | Technology Refined | Source of technology | Yield | Unit of yield | Observations other than yield | Gross Return Rs. / unit | Net Return Rs. / unit | BC Ratio (Gross income/ Gross Cost) |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
|  |  |  |  |  | T.O.1 (Farmers practice) |  |  |  |  |  |  |  |
|  |  |  |  |  | T.O.2 |  |  |  |  |  |  |  |
|  |  |  |  |  | T.O.3 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

4.D.2. Details of Technologies refined:

1. Title of Technology Refined

2. Performance of the Technology on specific indicators

3. Specific Feedback from farmers

4. Specific Feedback from Extension personnel and other stakeholders

5. Feedback to Research System based on results/feedback received

**PART V - FRONTLINE DEMONSTRATIONS (2019)**

**5.A. Summary of FLDs implemented**

| **Sl.**  **No.** | **Category** | **Farming**  **Situation** | **Season** | **Crop** | **Variety/ breed** | **Hybrid** | **Thematic area** | **Technology Demonstrated** | **Area (ha)** | | **Farmers (No.)** | | **Farmers (No.)** | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Proposed** | **Actual** | **SC/ST** | **Others** | **Small/ Marginal** | **Others** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cereals | Rainfed | Kharif | Paddy | PSB-68 | - | Crop Production | ICM in Paddy | 2 | 4.8 | 0 | 12 | 12 | 0 |
|  |  | Rainfed | Kharif | Maize | - | NK-6240 | Crop Production | ICM in Maize with special emphasis on weed and nutrient management | 2 | 2 | 0 | 5 | 5 | 0 |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vegetables  (March 2019) | Rainfed | Rabi | Nutri Farms | - | - | Household food security by kitchen gardening and nutrition gardening | Nutrition garden | 0.01 | 0.01 | 0 | 10 | 10 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit (March 2019) | Irrigated | Summer | Water Melon | Naamdhari | - | Production technology | Integrated Crop Management | 2 | 2 | 0 | 05 | 05 | 0 |
|  |  | Rainfed | Summer | Mango |  |  | Integrated Crop Management | Integrated Crop Management | 2 | 2 | 0 | 5 | 05 | 0 |
|  | Spices and condiments | Irrigated | Kharif | Blackpepper | Paniyur-1 | - | Integrated Disease Management | Foot rot disease managementin black pepper | 1 | 1 | 0 | 5 | 05 | 0 |
|  |  | Irrigated | Kharif | Ginger | Himachal | - | Integrated Disease Management | Rhizome rot disease management in ginger | 0.1 | 0.1 | 0 | 5 | 5 | 0 |
|  | Commercial(March 2019) | Rainfed | Summer | Cashew | Local | - | Pest Management | Integrated Pest Management | 4 | 4 | 00 | 10 | 10 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder(March 2019) | - | - | Aareca sheath |  |  | Feed and Fodder Technology | Demonstration on feeding of enriched dry areca sheath for cows | - | - | 0 | 5 | 05 | 0 |
|  |  | Rainfed | Kharif | Guinea grass, Stylo grass | - | - | Crop Production | Demonstration on improved Guinea and stylo grasses in bettaland and on bunds | 1 | 2 | 4 | 12 | 16 | 0 |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | Arecanut | Local | - | Integrated crop Management | ICM in Arecanut | 1 | 1 | 0 | 5 | 5 | 0 |
|  | Fibre | Rainfed | Kharif | *Bt.* Cotton | - | BG-II | Integrated Crop Management | ICM in Bt Cotton | 4 | 4 | 0 | 10 | 10 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Dairy (March 2019) | - | - | Livestock | Crossbred |  | Animal disease management | Demonstration of CIDR synch in anoestrus animals | - | - | 0 | 10 | 10 | 0 |
|  |  | - | - | Livestock | Crossbred |  | Animal disease management | Demonstration of modified PG protocol in repeat breeding cows | - | - | 1 | 9 | 10 | 0 |
|  |  | - | - | Livestock | Crossbred |  | Animal disease management | Demonstration on CIDR synch protocol in management of anestrous in cows/Buffaloes | - | - | 0 | 10 | 10 | 0 |
|  |  | - | - | Livestock | Crossbred |  | Animal disease management | Demonstration on Preventive strategies for subclinical and clinical mastitis | - | - | 2 | 8 | 10 | 0 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Implements |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Others (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**5.A. 1. Soil fertility status of FLDs plots, if analysed**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Category | Farming  Situation | Season  and  Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Season and year | Status of soil | | | Previous crop grown |
| N | P | K |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pulses |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Commercial |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |

**5.B. Results of FLDs**

**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**  **Return** | **Net Return** | **BCR** | **Gross**  **Return** | **Net Return** | **BCR** |
| **H** | **L** | **A** |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cereals | ICM in paddy | PSB-68  Hemavati | - | Rainfed | 12 | 4.8 | 91.5 | 56.3 | 72.90 | 48.35 | 50.78 | 1,16,640 | 66,049 | 2.01 | 77,353 | 34,809 | 1.66 |
|  | ICM in Maize | - | NK-6240 | Rainfed | 5 | 2 | 25.6 | 18.2 | 22.8 | 18.2 | 25.27 | 50,160 | 18,627 | 1.59 | 40,128 | 9,554 | 1.31 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit (March 2019) | ICM in Water Melon | Naamdari |  | Irrigated | 5 | 2 | 268.7 | 225 | 242.5 | 193.8 | 200.8 | 2,42,500 | 1,46,750 | 2.58 | 1,93,750 | 1,05,500 | 2.25 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments | Foot rot disease management in Black pepper | Paniyur-1 |  | Irrigated | 5 | 0.2 | 17.5 | 15.5 | 16.4 | 10.96 | 49.63 | 524800 | 348565 | 2.98 | 350720 | 200410 | 2.34 |
|  | Rhizome rot disease management in Ginger | Himachal |  | Irrigated | 5 | 0.1 | 222 | 195 | 203.8 | 161.6 | 26.11 | 611400 | 430372 | 3.38 | 184800 | 317940 | 2.91 |
| Commercial (March 2019) | IPM in Cashew | Local | - | Rainfed | 10 | 4 | 12.50 | 8.75 | 10.50 | 5.94 | 43.42 | 1,15,500 | 72,900.0 | 2.71 | 65,312 | 25,737‬ | 1.65 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| \*\*Fibre crops like cotton | ICM in Bt Cotton |  | BG-II | Rainfed | 10 | 4 | 3.75 | 0 | 3.75 | 3.0 | 25 | 24375 | -18125 | 0.75 | 19500 | -10250 | 0.66 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder(March 2019) | Enrichment of Aareca sheath as fodder\*\* | - | - | - | 5 | - | 7.65 | 7.20 | 7.29 | 6.03 | 17.2 | 15120 | 6700 | 1.77 | 13104 | 4624 | 1.50 |
|  | Demonstration on improved Guinea and stylo grasses in bettaland and on bunds | \*Guinea and stylo | - | Rainfed | 16 | 2 | 1275 | 1190 | 1223 | 244 | 400 | 84973 | 46333 | 2.11 | 74298 | 29046 | 1.62 |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | ICM in Arecanut | Local | - | Irrigated | 5 | 1 | 28 | 27.2 | 27.62 | 22.7 | 21.67 | 662880 | 585080 | 8.52 | 544800 | 475020 | 7.81 |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**\* Only 3 demos sustained the heavy rain. Stylo santhus rotted during emerging stage due to heavy rains.**

**\*\* 9 demonstrated were vitiated due to heavy rain and flood. One demonstrated could sustain the rain and obtained very less yield.**

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

* **ICM in paddy**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Plant Height (Cm) | 141.4 | 132.8 |
| No. of tillers/hill | 10.8 | 21.2 |
| Panicle Height (cms) | 21.2 | 15.1 |
| No. of Grains/ panicle | 155.9 | 129.2 |
| Stem borer incidence | 1.76 | 10.46 |
| Stem borer control (%) | 83.17 | - |
| Leaf folder incidence | 1.76 | 7.8 |
| Leaf folder control (%) | 77.52 | - |
| Blast incidence | 13.06 | 33.69 |
| Blast control (%) | 61.21 | - |
| False smut(%) | 2-4.25 | 2-4.25 |

* **ICM in Maize**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Weed count/m2 | 184.6 | 651 |
| WCE | 71.6 |  |
| Plant Height (cm) | 119.9 | 106.7 |
| Cob length (cm) | 10.3 | 7.8 |
| Cob Diameter | 3.1 | 2.8 |
| Cost on weed Management | 1770 | 3333 |
| Cost save on weed Management(Rs.) | 1563 | - |
| Labour Requirement for weed Management | 4 | 21 |
| % Labour save for weed Management | 25.27 | 80.1 |
| Stem borer plant/m2 | 1.72 | 5.62 |
| % Stem borer Control | 60.4 |  |
| Leaf Blight plant/m2 | 0.62 | 3.48 |
| % Leaf Blight Control | 82.2 |  |
| Fall Army Worm plant/m2 | 0.84 | 2.64 |
| % FAW control | 68.2 |  |

* **Nutri Farms**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo(**After intervention) | **Check** (Before intervention) |
| Change in knowledge regarding nutrition (%) (Pre Test) | 69 | - |
| Change in knowledge regarding nutrition (%) (Post Test) | 85 | - |

* **ICM in Water melon**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Fusarium wilt(%) | 1.4 | 3.85 |
| % Malformed fruits | 0.9 | 3.8 |

* **IPM in Cashew**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| TMB damage (0-4 scale) | 0.39 | 2.53 |
| Recovery of CSRB affected trees(%) | 1.5 | 0.2 |

* **Enrichment of dry areca sheath&dry fodder**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Milk yield (3 months) Ltrs | 540 | 468 |
| Decrease in Feed wastage % | 24.4 | - |
| Increase in dry fodder intake (%) | 1.4 | - |

* **Demonstration on improved Guinea and stylo grasses in bettaland and on bunds**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Milk Yield (ltrs) | 3034 | 2653 |

* **ICM in Arecanut**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| % reduction in nut splitting and nut drop | 38.4 | 00 |
| No. of fallen infected nuts/palm | 10.4 | 18.8 |

* **Rhizome rot disease management in Ginger**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Rhizome rot incidence(%) | 12.86 | 21.18 |
|  |  |  |

* **Foot rot disease management in Black pepper**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| Leaf Infection(%) | 10.04 | 30.52 |
| Yellowing(%) | 6.24 | 30.8 |
| Wilted vines(%) | 1.8 | 23.4 |

5.B.2. Livestock and related enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of livestock | Name of the technology demonstrated | Breed | No. of Demo | No.  of Units | Name of the parameter with unit | Yield (kg/animal) | | | | % Increase | \*Economics of demonstration Rs./unit) | | | \*Economics of check  (Rs./unit) | | |
| Demo | | | Check if any | Gross  Return | Net Return | \*\*  BCR | Gross  Return | Net Return | \*\*  BCR |
|  |  |  |  |  |  | H | L | A |  |  |
| **On going** | Demonstration of modified PG protocol in repeat breeding cows | Cross bred | 10 | 10 |  |  |  |  |  |  |  |  |  |  |  |  |
| **On going** | Demonstration on CIDR synch protocol in management of anestrous in cows/Buffaloes | Cross bred | 10 | 10 |  |  |  |  |  |  |  |  |  |  |  |  |
|  | \*Demonstration on Preventive strategies for subclinical and clinical mastitis | Cross bred | 10 | 20 | SNF(%) | 9.2 | 8.5 | 8.81 | 8.06 | 9.3 | 13960 | 6400 | 1.82 | 9373 | 1813 | 1.35 |
| Incidence of subclinical mastitis (%) | - | - | 10 | 90 | - |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**\* Economics are calculated for one month**

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

* **Demonstration of CIDR synch in anoestrus animals (2018 completed)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check if any** |
| **Number of animals shown heat and duration of estrous and conception rate** | | |
| No of animals shown heat | 10(10) | 3(10) |
| Up to 18-24 Hr | 6 | 0 |
| 24-48 Hr | 4 | 2 |
| >48 hours | 0 | 1 |

* **Demonstration of CIDR synch in anoestrus animals (On-going)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check if any** |
| **Number of animals shown heat and duration of estrous and conception rate** | | |
| No of animals shown heat | 7(7) | 0(5) |
| Up to 18-24 Hr | 7 | 0 |
| 24-48 Hr | 0 | 0 |
| >48 hours | 0 | 0 |

* **Demonstration of modified PG protocol in repeat breeding cows (On-going)**

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check if any** |
| **Number of animals shown heat and duration of estrous and conception rate** | | |
| No of animals shown heat | 10 | 10 |
| Up to 18-24 Hr | 8 | 0 |
| 24-48 Hr | 2 | 3 |
| >48 hours | 0 | 7 |
| Conception Rate(%) | 80% | 30% |

5.B.3. Fisheries : NIL

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Breed | Name of the technology demonstrated | Breed | No. of Demo | Units/ Area (m2) | Name of the parameter with unit | Yield (q/ha) | | | | % Increase | \*Economics of demonstration (Rs./unit) | | | \*Economics of check  (Rs./unit) | | |
| Demo | | | Check if any | Gross  Return | Net Return | \*\*  BCR | Gross  Return | Net Return | \*\*  BCR |
|  |  |  |  |  |  | H | L | A |  |  |
| Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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

5.B.4. Other enterprises : NIL

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

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

\*\* BCR= GROSS RETURN/GROSS COST

H-High L-Low, A-Average

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

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

**5.B.5. Farm implements and machinery : 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 | Name of the operation with unit | Labour requirement in Mandays | | % save | Savings in labour (Rs./ha) | \*Economics of demonstration (Rs./ha) | | | \*Economics of check  (Rs./ha) | | |
| Demo | Check | Gross  Return | Net Return | \*\*  BCR | Gross  Return | Net Return | \*\*  BCR |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

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

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **No. of activities organised** | **Number of participants** | **Remarks** |
| 1 | Field days | 9 | 486 |  |
| 2 | Farmers Training | 9 | 354 |  |
| 3 | Media coverage | - | - |  |
| 4 | Training for extension functionaries | 1 | 169 |  |
| 5 | Others (Please specify)  Method demonstrations | 17 | 254 |  |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS (2019)**

**Demonstration details on crop hybrids : NIL**

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

H-High L-Low, A-Average

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

**PART VII. TRAINING (2019)**

**7.A.. Training of Farmers and Farm Women including sponsored training programmes (On campus)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification | 1 | 40 | 2 | 42 | 18 | 0 | 18 | 58 | 2 | 60 |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 28 | 12 | 40 | 0 | 0 | 0 | 28 | 12 | 40 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 53 | 0 | 53 | 0 | 0 | 0 | 53 | 0 | 53 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others: Nursery Management | 1 | 12 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 12 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Integrated water management |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management | 3 | 224 | 46 | 270 | 33 | 23 | 56 | 257 | 69 | 326 |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Women empowerment | 2 | 12 | 33 | 55 | 0 | 0 | 0 | 12 | 33 | 55 |
| Location specific drudgery production |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 | 10 | 0 | 10 | 0 | 0 | 0 | 10 | 0 | 10 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **CapacityBuilding and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | **2** | **31** | **7** | **38** | **1** | **1** | **2** | **32** | **8** | **40** |
| Others Community Capacity Development | **1** | **22** | **4** | **26** | **0** | **0** | **0** | **22** | **4** | **26** |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **13** | **432** | **104** | **546** | **52** | **24** | **76** | **484** | **128** | **612** |

**7.B Training of Farmers and Farm Women including sponsored training programmes (Off campus)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 2 | 22 | 5 | 27 | 3 | 0 | 3 | 25 | 5 | 30 |
| Soil and Water Conservation | 7 | 42 | 317 | 359 | 11 | 47 | 58 | 53 | 364 | 417 |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit | 1 | 8 | 0 | 8 | 0 | 0 | 0 | 8 | 0 | 8 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 41 | 11 | 52 |  |  | 0 | 41 | 11 | 52 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others :Mechanized harvesting | 1 | 10 | 3 | 13 | 5 | 2 | 7 | 15 | 5 | 20 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Integrated water management |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management | 1 | 22 | 30 | 52 | 0 | 0 | 0 | 22 | 30 | 52 |
| Animal Disease Management | 2 | 46 | 16 | 62 | 9 | 2 | 11 | 55 | 18 | 73 |
| Feed and Fodder technology | 2 | 22 | 5 | 27 |  |  | 0 | 22 | 5 | 27 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 4 | 15 | 63 | 78 |  |  | 0 | 15 | 63 | 78 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 1 | 0 | 8 | 8 | 0 | 0 | 0 | 0 | 8 | 8 |
| Women empowerment |  |  |  |  |  |  |  |  |  |  |
| Location specific drudgery production |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| Others : Tailoring and stitching | 2 | 0 | 52 | 52 |  |  | 0 | 0 | 52 | 52 |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 5 | 37 | 7 | 44 | 7 | 0 | 7 | 44 | 7 | 51 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production | 1 | 10 | 22 | 32 | 6 | 4 | 10 | 16 | 26 | 42 |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **CapacityBuilding and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **30** | **275** | **539** | **814** | **41** | **55** | **96** | **316** | **594** | **910** |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | | | |
| **General** | | | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | | **Total** | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Nursery Management of Horticulture crops | 1 | 20 | | 8 | | 28 | 02 | 0 | 02 | 22 | 8 | 30 |
| Training and pruning of orchards |  |  | |  | |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  | |  | |  |  |  |  |  |  |  |
| Commercial fruit production |  |  | |  | |  |  |  |  |  |  |  |
| Integrated farming |  |  | |  | |  |  |  |  |  |  |  |
| Seed production |  |  | |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  | |  | |  |  |  |  |  |  |  |
| Planting material production |  |  | |  | |  |  |  |  |  |  |  |
| Vermi-culture |  |  | |  | |  |  |  |  |  |  |  |
| Mushroom Production |  |  | |  | |  |  |  |  |  |  |  |
| Bee-keeping |  |  | |  | |  |  |  |  |  |  |  |
| Sericulture |  |  | |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  | |  | |  |  |  |  |  |  |  |
| Value addition |  |  | |  | |  |  |  |  |  |  |  |
| Small scale processing |  |  | |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  | |  | |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  | |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  | |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  | |  | |  |  |  |  |  |  |  |
| Dairying |  |  | |  | |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  | |  | |  |  |  |  |  |  |  |
| Quail farming |  |  | |  | |  |  |  |  |  |  |  |
| Piggery |  |  | |  | |  |  |  |  |  |  |  |
| Rabbit farming |  |  | |  | |  |  |  |  |  |  |  |
| Poultry production |  |  | |  | |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  | |  | |  |  |  |  |  |  |  |
| Composite fish culture |  |  | |  | |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  | |  | |  |  |  |  |  |  |  |
| Shrimp farming |  |  | |  | |  |  |  |  |  |  |  |
| Pearl culture |  |  | |  | |  |  |  |  |  |  |  |
| Cold water fisheries |  |  | |  | |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  | |  | |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  | |  | |  |  |  |  |  |  |  |
| Any other: Arecanut palm climbing | 1 | 21 | | 0 | | 21 | 06 | 0 | 06 | 27 | 0 | 27 |
| **TOTAL** | **2** | **41** | | **8** | | **49** | **8** | **0** | **8** | **49** | **8** | **57** |

**7.D. Training for Rural Youths 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** |
| Nursery Management of Horticulture crops |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Training and pruning of orchards |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Protected cultivation of vegetable crops |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Commercial fruit production |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Integrated farming |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Seed production |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Production of organic inputs |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Planting material production |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Vermi-culture |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Mushroom Production |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Bee-keeping |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Sericulture |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Repair and maintenance of farm machinery and implements |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Value addition |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Small scale processing |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Post Harvest Technology |  |  | |  | |  |  | |  | |  | |  | |  | |  | |
| Tailoring and Stitching |  |  | |  | |  |  | |  | |  | |  | |  | |  | |
| Rural Crafts |  |  | |  | |  |  | |  | |  | |  | |  | |  | |
| Production of quality animal products |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Dairying |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Sheep and goat rearing |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Quail farming |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Piggery |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Rabbit farming |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Poultry production |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Ornamental fisheries |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Composite fish culture |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Freshwater prawn culture |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Shrimp farming |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Pearl culture |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Cold water fisheries |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Fish harvest and processing technology |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Fry and fingerling rearing |  |  | |  | |  | |  | |  | |  | |  | |  | |  |
| Any other : FOCT | 1 | 20 | | 0 | | 20 | | 0 | | 0 | | 0 | | 20 | | 0 | | 20 |
| **TOTAL** | **1** | **20** | | **0** | | **20** | **0** | | **0** | | **0** | | **20** | | **0** | | **20** | |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | | | |
| **General** | | | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | | **Total** | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Productivity enhancement in field crops |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  | |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  | |  | |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  | |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  | |  | |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  | |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  | |  | |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  | |  | |  |  |  |  |  |  |  |
| Women and Child care |  |  | |  | |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  | |  | |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  | |  | |  |  |  |  |  |  |  |
| Information networking among farmers |  |  | |  | |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  | |  | |  |  |  |  |  |  |  |
| Management in farm animals | 3 | 186 | | 48 | | 234 | 42 | 12 | 54 | 228 | 60 | 288 |
| Livestock feed and fodder production |  |  | |  | |  |  |  |  |  |  |  |
| Household food security |  |  | |  | |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  | |  | |  |  |  |  |  |  |  |
| **Total** | **3** | **186** | | **48** | | **234** | **42** | **12** | **54** | **228** | **60** | **288** |

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

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

7.G. Sponsored training programmes conducted

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops |  |  |  |  |  |  |  |  |  |  |
| 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** | **Skill Trainings** | 2 | 31 | 7 | 38 | 1 | 1 | 2 | 32 | 8 | 40 |
| **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. | CapacityBuilding and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| 12.b. | FOCT | 1 | 20 | 0 | 20 | 0 | 0 | 0 | 20 | 0 | 20 |
|  | **Total** | **3** | **51** | **7** | **58** | **1** | **1** | **02** | **52** | **8** | **60** |

**Details of sponsoring agencies involved**

**1.ASCI**

**2.CDB Bengaluru**

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Commercial floriculture |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| 1.c. | Commercial vegetable production |  |  |  |  |  |  |  |  |  |  |
| 1.d. | Integrated crop management |  |  |  |  |  |  |  |  |  |  |
| 1.e. | Organic farming | **1** | **14** | **4** | **28** | **1** | **1** | **2** | **15** | **5** | **20** |
| 1.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **2** | **Post harvest technology and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Value addition |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Livestock and fisheries** |  |  |  |  |  |  |  |  |  |  |
| 3.a. | Dairy farming |  |  |  |  |  |  |  |  |  |  |
| 3.b. | Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| 3.c. | Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| 3.d. | Piggery |  |  |  |  |  |  |  |  |  |  |
| 3.e. | Poultry farming |  |  |  |  |  |  |  |  |  |  |
| 3.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **4.** | **Income generation activities** |  |  |  |  |  |  |  |  |  |  |
| 4.a. | Vermi-composting |  |  |  |  |  |  |  |  |  |  |
| 4.b. | Production of bio-agents, bio-pesticides,  bio-fertilizers etc. |  |  |  |  |  |  |  |  |  |  |
| 4.c. | Repair and maintenance of farm machinery  and implements |  |  |  |  |  |  |  |  |  |  |
| 4.d. | Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| 4.e. | Seed production |  |  |  |  |  |  |  |  |  |  |
| 4.f. | Sericulture |  |  |  |  |  |  |  |  |  |  |
| 4.g. | Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| 4.h. | Nursery, grafting etc. |  |  |  |  |  |  |  |  |  |  |
| 4.i. | Tailoring, stitching, embroidery, dying etc. | **2** | **0** | **52** | **52** | **0** | **0** | **0** | **0** | **52** | **52** |
| 4.j. | Agril. para-workers, para-vet training |  |  |  |  |  |  |  |  |  |  |
| 4.k. | Bee Keeping | **1** | **17** | **3** | **20** | **0** | **0** | **0** | **17** | **3** | **20** |
| **5** | **Agricultural Extension** |  |  |  |  |  |  |  |  |  |  |
| 5.a. | Capacity building and group dynamics |  |  |  |  |  |  |  |  |  |  |
| 5.b. | FOCT | **1** | **20** | **0** | **20** | **0** | **0** | **0** | **20** | **0** | **20** |
|  | **Grand Total** | **5** | **51** | **59** | **110** | **1** | **1** | **2** | **52** | **60** | **112** |

**7.F. Details of Skill Training Programmes carried out by KVKs under ASCI :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of Job Role** | **Date**  **of Start** | **Date**  **of**  **Assessment** | **Total**  **Expenditure**  **(Rs.)** | **No. of Participants** | | | | | | | | | **No of Participants passed**  **assessment** |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | Bee Keeper | 11.02.2019 | 18.03.19 | 1,40,663.00 | 14 | 1 | 15 | 4 | 1 | 5 | 18 | 2 | 20 | **19** |
| 2. | Organic Grower | 11.02.2019 | 18.03.19 | 1,65,164.00 | 17 | 0 | 17 | 3 | 0 | 3 | 17 | 03 | 20 | 18 |

**\* ASCI for the year 2019-20 will be initiated during Feb-2020**

**PART VIII – EXTENSION ACTIVITIES (2019)**

**8.1. 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 | **9** | 283 | 175 | 458 | 14 | 10 | 24 | 3 | 1 | 4 |
| Kisan Mela | **1** | 90 | 60 | 150 | 20 | 10 | 30 | 10 | 2 | 12 |
| Kisan Ghosthi |  |  |  | 0 |  |  | 0 |  |  | 0 |
| Exhibition | **7** | 16823 | 2210 | 19033 | 2950 | 652 | 3602 | 190 | 135 | 325 |
| Film Show |  |  |  | 0 |  |  | 0 |  |  | 0 |
| Method Demonstrations | **19** | 115 | 76 | 191 | 37 | 12 | 49 | 8 | 6 | 14 |
| Farmers Seminar | **1** | 78 | 16 | 94 |  |  | 0 |  |  | 0 |
| Workshop | **5** | 190 | 75 | 265 | 26 | 10 | 36 | 8 | 6 | 14 |
| Group meetings | **1** | 8 | 0 | 8 | 0 | 0 | 0 | 0 | 0 | 0 |
| Lectures delivered as resource persons | **71** | 1115 | 849 | 1964 | 416 | 343 | 759 | 204 | 114 | 318 |
| Newspaper coverage | **20** |  |  |  |  |  |  |  |  |  |
| Radio talks | **5** |  |  |  |  |  |  |  |  |  |
| TV talks |  |  |  |  |  |  |  |  |  |  |
| Popular articles | **8** |  |  |  |  |  |  |  |  |  |
| Extension Literature | **2** |  |  |  |  |  |  |  |  |  |
| Advisory Services |  |  |  |  |  |  |  |  |  |  |
| Scientific visit to farmers field | **176** | 403 | 107 |  | 54 | 14 |  | 120 | 33 |  |
| Farmers visit to KVK | **304** | 300 | 80 | 380 | 0 | 0 | 0 | 20 | 0 | 400 |
| Diagnostic visits | **88** | 180 | 0 | 180 | 0 | 0 | 0 | 21 | 0 | 21 |
| Exposure visits | **11** | 80 | 8 | 88 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ex-trainees Sammelan |  |  |  |  |  |  |  |  |  |  |
| Soil health Camp |  |  |  |  |  |  |  |  |  |  |
| Animal Health Camp |  |  |  |  |  |  |  |  |  |  |
| Agri mobile clinic |  |  |  |  |  |  |  |  |  |  |
| Soil test campaigns |  |  |  |  |  |  |  |  |  |  |
| Farm Science Club Conveners meet |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Mahila Mandals Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| **Celebration of important days (specify)** |  |  |  |  |  |  |  |  |  |  |
| International Womens Day | **1** | 20 | 8 | 28 | 5 | 0 | 5 | 3 | 2 | 5 |
| World Honey Bee Day | **1** | 30 | 5 | 35 | 10 |  | 10 | 5 | 0 | 5 |
| World no tobbacco day celebrations | **1** | 0 | 0 | 0 | 0 | 0 | 0 | 15 | 0 | 15 |
| International Rural Women Day and World Food Day | **1** |  | 50 | 50 |  | 10 | 10 |  |  | 0 |
| World Soil Day | **1** | 40 | 16 | 56 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **738** | **18792** | **3540** | **22332** | **3478** | **1047** | **4525** | **446** | **266** | **712** |

**8.2 Special Extension Programmes**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Programme** | **Date(s) conducted** | **No. of farmers (General)** | | | **No. of farmers**  **SC / ST** | | | **No.of extension personnel** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Jal Shakti Abhiyan | **-** |  |  |  |  |  |  |  |  |  |
| Fertilizer Use Awareness Campaign | 22-Oct-19 | 38 | 10 | 48 | 9 | 3 | 12 | 3 | 2 | 5 |
| National Animal Disease Control Programme | 11-09-2019 | 44 | 15 | 59 | 8 | 6 | 14 | 18 | 5 | 23 |
| Tree Plantation Campaign | 17-09-2019 | 18 | 13 | 31 | 6 | 4 | 10 | 4 | 2 | 6 |
| Any other, Pl. specify |  |  |  |  |  |  |  |  |  |  |

**PART IX – PRODUCTION OF SEED, PLANT AND LIVESTOCK MATERIAL (2019)**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Crop category | **Name of the crop** | **Name of the**  **Variety** | **Name of the Hybrid** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers to whom provided** |
| Cereals (crop wise) | Paddy\* | Abhilasha |  | 135 |  |  |
| Oilseeds |  |  |  |  |  |  |
| Pulses | Black gram\* | DU-1 |  | 90 kg |  |  |
| Commercial crops |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |
| Flower crops |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |  |  |
| Fiber crops |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Others (specify) |  |  |  |  |  |  |
| **Total** |  |  |  | **135.9** |  |  |

# 9.B. Production of planting material by the KVKs

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Crop category** | **Name of the crop** | **Variety** | **Hybrid** | **Number** | **Value (Rs.)** | **Number of farmers to whom provided** |
| Commercial |  |  |  |  |  |  |
| Vegetable seedlings | Drumstick | PKM-1 |  | 141 | 2115 | 10 |
| Fruits |  |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |  |
| Plantation | Arecanut | SAS-1 |  | 5389 | 80835 | 28 |
| Spices | Black Pepper | Paniyur-1 | -- | 17193 | 257895 | 147 |
|  | Cardamom | Mudigere-1 |  | 985 | 14775 | 58 |
|  | Venilla | Local |  | 81 | 4860 | 15 |
| Tuber | -- |  |  |  |  |  |
| Fodder crop saplings | -- |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |
| Others(specify) |  |  |  |  |  |  |
| **Total** |  |  |  | 23789 | 360480 | 258 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Bio Products** | **Name of the bio-product** | **Quantity**  **(q)** | **Value (Rs.)** | **Number of**  **farmers to**  **whom provided** |
| Bio Fertilizers |  |  |  |  |
| Bio-pesticide |  |  |  |  |
| Bio-fungicide |  |  |  |  |
| Bio Agents |  |  |  |  |
| Others (specify) Root Hormone | IBA | 0.00063 | 630 | 10 |
| **Total** |  | **0.00063** | **630** | **10** |

# 9.D. Production of livestock

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Particulars of Livestock | **Name of the breed** | **Number** | **Value (Rs.)** | **Number of farmers to whom provided** |
| **Dairy animals** |  |  |  |  |
| Cows |  |  |  |  |
| Buffaloes |  |  |  |  |
| Calves |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Poultry** |  |  |  |  |
| Broilers |  |  |  |  |
| Layers |  |  |  |  |
| Duals (broiler and layer) |  |  |  |  |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Piggery** |  |  |  |  |
| Piglet |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |
| **Fisheries** |  |  |  |  |
| Fingerlings |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Total** |  |  |  |  |

**PART X – PUBLICATIONS, SUCCESS STORY, INNOVATIVE METHODOLOGY, ITK, TECHNOLOGY WEEK**

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

**(A) KVK Newsletter:**

Date of start: **Janaury 2019** Periodicity: **03 months** Copies printed in each issue: **100**

(B) Literature developed/published

|  |  |
| --- | --- |
| **Item** | **Number** |
| Research papers- International | 0 |
| Research papers- National | 5 |
| Technical reports | 0 |
| Technical bulletins | 0 |
| Popular articles - English | 0 |
| Popular articles – Local language | 8 |
| Extension literature | 5 |
| Others (Pl. specify): Abstract | 02 |
| **TOTAL** | **20** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media** | **Title** | **Details** |
|  | CD / DVD | **Nil** | **-** |
|  | Mobile Apps | **Nil** | **-** |
|  | Social media groups with KVK as Admin | **Whatsapp groups:**  **DAESI Karwar Groups**  **ASCI Trainees group**  **KVK UKS Raita Spandana** | **Technical backstopping to the members** |
|  | Facebook account name | **kvkuks@gmail.com** |  |
|  | Instagram account name | **Nil** | **-** |

**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).**

**Impact analysis of modified PG protocol in management of repeat breeding in dairy animals:**

Animal husbandry plays a pivotal role in Indian agriculture and contribution to GDP. Sustenance and profitability of dairy industry mainly depends on reproductive health and getting calf a year. However, reproductive inefficiency of cattle and buffalo due to repeat breeding is an expensive hitch in profitable dairy production as the age at first calving in heifers is delayed and the inter-calving interval is extended, thus results in lowering of calf crop, milk production and leading to large economic losses to the dairy producers.

**UttaraKannada district Scenario:**

UttaraKannada district comprises about 424,771 cattle and buffalo population (Govt of Karanataka animal senses 2012) of which 47,167 cross bred animals, 289,788 Indigenous cattle and 87,816 buffalo population. Nearly 30% of the dairy cows or buffalo suffering from repeat breeding after one or more lactations.

The reasons attributed for repeat breeding are endocrine dysfunctions like faulty LH secretion, improper steroidogenesis, hormonal imbalance results in delayed ovulation, prolonged oestrous (up to 3 to 4 days), anovulation, irregular oestrous etc. Further, UttaraKannada district receives rain ranges from 2000 to 4000 mm annually, that results in soil erosion and micronutrient deficiencies like calcium, phosphorus, iodine, cobalt, copper, zinc and magnesium, vitamin-A and selenium and vitamin-E predispose for repeat breeding. Lack of availability of good quality green fodder and higher dependency on commercial cattle feeds resulting in subclinical ruminal acidosis and metabolic disorders which affects serum glucose, urea, albumin, globulin, and non-esterified fatty acids affects follicular growth and conception rate fertilization failure. In addition to these, another major cause of repeat breeding is improper heat detection and AI techniques adopted by the par veterinary staffs.

**Interventions made by KVK**

KVK, Sirsi initiated front line demonstration during 2017-18 for management of repeat breeding in cattle by using modified PG protocol with dewarming and supplementation of micronutrients to the problematic cows. After confirmation of the repeat breeding cow, estrous was synchronized by 2 doses of cloprostenol (PGF2α analogues 2.0 ml) at 11 to 12 days apart fallowed by single dose of Buserelin (GnRH analogue 2.5 ml/IM) between 60 to 72 hours after of 2nd cloprostenol dose with AI and supplementation of micronutrient. The pregnancy was checked after 45th of insemination. Further, KVK, Sirsi organized training for extension personals and inseminators about management of repeat breeding and use of double PG synchronization protocols during 2017 to 2019, about 61 personals took the benefit of the programme.

**Outcome of the study:**

The results of the protocols compared before and after the treatment with respect to onset of estrous signs, duration of estrous, conception rate and economic impact. Treated animals showed well expressed estrous sings and the duration of estrous was reduced from average about 72 hours to less than 48 hours. The results are depicted in the table

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Year | No. of animals | Conception rate | Net income (Rs) | | B:C ratio | |
| Untreated | Treated | Untreated | Treated |
| 2017-18 | 12 | 83.3% | 103,995.00 | 712,050.00 | 1.21 | 2.08 |
| 2018-19 | 14 | 85.7% | 40,175.00 | 531,150.00 | 1.09 | 1.94 |

**Impact of the programme:**

The protocol being used by Veterinarians and inseminators in their day today regimen and covered about 268 repeat breeding animals.

**Conclusion:** adoption of the modified PG sychroziation protocol resulted in decreased intercalving period and age at first calving, inturn enhancing the productivity and income of the farmers.

**ACKNOWLEDGEMENT**

Our special thanks to ATARI-Bengaluru, all the field veterinarians, inseminators, members and directors of Dharwad milk union, UAS-Dharwad, KVK faculties for giving continues support in making the programme successful.

|  |  |
| --- | --- |
| C:\Users\my\Downloads\IMG_20170702_113150.jpg | C:\Users\my\Documents\Bluetooth\Inbox\IMG-20171120-WA0028.jpg |
| **Examination of repeat breeding cow** | **Calf born to treated animal** |
|  |  |
| **Examination of repeat breeding cow** | **Pregnancy diagnosis** |

**10.D. Give details of Innovative Methodology or Innovative Approach of Transfer of Technology developed and used during the year:**

**Dissemination of new crop Teff as rabi/summer crop under residual moisture.**

**Approach :** Invited Hon'ble MP Shri. Ananant Kumar Hegde for popularization of Teff crop and made MOU for market with Kadamba Foundation, Sirsi

**Impact :**

Within district : Crop spread more than 70 acres in Sirsi, Siddapur and Haliyal tq.

Outside the district : Raichur(30 acres), Gulbarga (3 acres)

10.E. Give details of Indigenous Technical Knowledge 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** | **Scientific Rationale** |
| **1** | Livestock | Beetal leaves -10, ginger-20gm, garlic-10 gm, rock salt-50 gm pounded and mix in luke warm water admininster orally at 6hr interval | Ruminal tympany | Increase ruminal movemet and decrease surface tension |
| **2** | Livestock | One handful each of tender leaves of pomegranate, neem and guava with dried ginger-50 gm, jaggery 100 gm grind and make 3 bolus and feed 1 bolus at a time | Diarrhoea | Spmsmolytic and anti infectious |
| **3** | Livestock | Alovera – 2 petal, turmeric-50 gm, lime-15 gm, make paste with 150-200ml water apply to full udder | Mastitis | Anti-inflammatory and antibacterial |
| **4** | Livestock | Magnesium sulphate-200gm, alovera-2 petals or 2 egg white, turmeric powder one handful, garlic -2 pearl make make paste in warm water or sesame oil-200ml | Udder oedema | Osmotic pressure with anti-inflammatory |
| **5** | Livestock | Lantana camara plant extract dilute in cattle urine and spray to body  Or  Boil 250 gm of tobacco in 2 liters of water and 5 liter of water spray 20 animals | Ectoparasites | Paralytic effect |

**10 F. Technology Week celebration during 2019:**

Period of observing Technology Week: From 18.09.2019 to

Total number of farmers visited :300

Total number of agencies involved : Kadamba Marketing , Rseti Haliyal & Gandhi Rural Devleopment Institutue, Bengaluru

Number of demonstrations visited by the farmers within KVK campus : Nil

Other Details

| **Types of Activities** | **No. of**  **Activities** | **Number of**  **Farmers** | **Related crop/livestock technology** |
| --- | --- | --- | --- |
| Gosthies |  |  |  |
| Lectures organized | 15 | 300 | Water Conservation, Biofuel crops and bio waste management |
| Exhibition |  |  |  |
| Film show | 5 |  |  |
| Fair |  |  |  |
| Farm Visit |  |  |  |
| Diagnostic Practicals |  |  |  |
| Supply of Literature (No.) | 1 |  | Bio diesel |
| Supply of Seed (q) |  |  |  |
| Supply of Planting materials (No.) |  |  |  |
| Bio Product supply (Kg) |  |  |  |
| Bio Fertilizers (q) |  |  |  |
| Supply of fingerlings |  |  |  |
| Supply of Livestock specimen (No.) |  |  |  |
| Total number of farmers visited the technology week |  |  |  |

**10 E. Recognition and Awards:** Please give details about National and State level recognition and awards **:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No** | **Award/Recognition** | **Scientist Name & Designation** | **Event** | **Organized by** |
| 1 | Best Poster Presentation | Dr. Manju M J  Sr. Scientist & Head | International Conference on Extension for strengthening Agricultural Research and Development at Suttur, Mysore during 14-16 December 2019 | ICAR ATARI, Bengaluru,  Extension Education Society, TNAU, Coimbatore,  and ICAR JSS Krishi Vigyan Kendra, Mysore |
| 2 | Young Scientist | Dr. Siddappa Kannur  Technical Officer(Agroforestry) | International Conference on GRISAAS-2019 at NAARM, Hyderabad on 20-22nd October 2019 | Astha Foundation, Meerut (U.P) |

**PART XI – SOIL AND WATER TEST**

**11.1 Soil and Water Testing Laboratory**

A. Status of establishment of Lab :2005

1. Year of establishment :

2. List of equipments purchased with amount :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost | Status |
| 1 | pH meter | 1 | 19250 | Working |
| 2 | EC meter | 1 | 20,570 | Working |
| 3 | Microjeldahl N distillation Unit | 2 | 2,88,550 | Working |
| 4 | Plant Sample digestion Unit (Kjeldahl) | 1 | 137350 | Working |
| 5a | Distillation Unit (Glass double)-5 l/ hr | 1 | 43050 | Working |
| 5b | Distillation Unit (Glass double)-1 l/hr | 2 | 43050 | Working |
| 6 | Spectrophotometer | 1 | 40050 | Working |
| 7 | Flame photometer | 2 | 1,22,040 | Working |
| 8 | Hot Air Oven | 1 | 17228 | Working |
| 9 | Willey mill (Plant sample Grinder) | 1 | 15,435 | Working |
| 10 | Hot plate | 1 | 3046 | Working |
| 11 | Horizontal Shaker | 2 | 96905 | Working |
| 12 | Weighing Balance (Cap 500 g, Acc 0.1 g) | 1 | 10890 | Working |
| 13 | Weighing Balance (Cap 100 g, Acc 0.001 g) | 2 | 138479 | Working |
| 14 | Whirlpool Refrigerator | 1 | 22850 | Working |
| 15 | Atomic absorption spectro photometer | 1 | 14,49,352 | under repair |
|  | Total | 21 | 24,68,095.00 |  |

B. Details of samples analyzed since establishment of SWTL:

|  |  |  |  |
| --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages |
| Soil Samples | 13426 | 13224 | 8358 |
| Water Samples | 8239 | 8167 | 5947 |
| Plant samples | - | - | - |
| Manure samples | - | - | - |
| Others (specify) | - | - | - |
| Total | 21665 | 21391 | 14305 |

C. Details of samples analyzed during the 2019:

|  |  |  |  |
| --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages |
| Soil Samples | 1785 | 1681 | 1553 |
| Water Samples | 1518 | 1501 | 1413 |
| Plant samples | - | - | - |
| Manure samples | - | - | - |
| Others (specify) | - | - | - |
| Total | 3303 | 3182 | 2966 |

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

|  |  |  |
| --- | --- | --- |
| Mobile Kits | Date of purchase | Current status |
| 1. | 25.03.2017 | Not working |
| 2. | 31.03.2017 | Not working |
|  |  |  |

B. Details of soil samples analyzed during 2019 and since establishment with Mobile Soil Testing Kit:

|  |  |  |
| --- | --- | --- |
|  | Progress during 2019 | Cumulative progress |
| Samples analyzed (No.) | - | 421 |
| Farmers benefited (No.) | - | 329 |
| Villages covered (No.) | - | 289 |

11.3 Details of soil health cards issued based on SWTL & Mobile Soil Testing Kit during 2019:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Particulars | Date (s) | Villages (No.) | Farmers (No.) | Samples analyzed (No.) | Soil health cards issued (No.) |
| SWTL |  | 1553 | 1681 | 1785 | 1785 |
| Mobile Soil Testing Kit |  | - | - | - | - |

11.4 World Soil Health Day celebration

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Farmers participated (No.) | Soil health cards issued (No.) | VIPs (MP/ Minister/MLA attended (No.) | Other Public Representatives participated | Officials participated (No.) | Media coverage (No.) |
| 1 | 56 | - | - | 01 | 05 | 02 |

**PART XII. IMPACT**

**12.A. Impact of KVK activities (Not 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)** |
| Soil testing Importance and soil sampling method | 256 | 84.5 % | 2,57,800/ha | 2,86,540/ha |
| Micro nutrient application (20 kg Zinc sulphate and 2.5 kg Borax/ha) in Paddy and Maize | 758 | 31.5 % | 75,860/ha | 83,590/ha |
| Micronutrient application(Zinc @ 25g/plant and Borax @ 20g/plant in Arecanut | 436 | 38.8 | 6,57,800 /ha | 7,51,650/ha |
| Rhizome rot management through rhizome treatment with COC @ 3g and 0.5 g/l and Drenching with COC/Ridomyl + Bleaching powder @ 2g each per litre | 126 | 87.5 % | 4,35,080/ha | 7,68,900/ha |
| Mushroom cultivation | 48 | 10.2 % | 87,600/ha | 91,850/ha |
| Technology for Repeated breeding | 125 | 89.5 % | 1,27,650/family | 1,85,800/family |
| Lime application | 857 | 91.5 | 1,86,750/ha | 2,01,560 /ha |
| Skill training Arecanut climbing to youth | 47 | 80.6 % | 21,200/head | 58,500/head |

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

**12.B. Cases of large scale adoption (Please furnish detailed information for each case with suitable photographs)**

Uttara Kannada is the district receiving high rains up to 5000 mm in a year. The Higher rain fall is occurring during July, August and September months. Under high rainfall situation during kharif season, paddy is only the major crop. Due to heavy rains, paddy yield level is very low (26.8 q/ha) especially in low land situation of water logging and submergence. In low land situation, Abhilash and Intan are practicing varieties. Water logging and submergence situation in low land situation during rainy season affects Abhilash and Intan varieties. This problems are scattered over district especially Sirsi and Siddapur taluk affecting 588.8 ha. Hemavati is the variety suitable for low land situation of water logging and submergence problem. It was difficult to spread the this Hemavati variety through any kind demonstration to scattered problematic field. Hence, we took farmer participatory approach in disseminating variety. During 2015, we gone through farmers participatory seed production in Sampagand and Biligi village of Siddapur taluk by involving two farmers namely Shri Nagesh Naik and RavilochanMadgaovkar, respectively and produced 74 q of truthful seeds. We kept this seed material in different Raith Samparka Kendras of Agriculture Department and houses of progressive farmers for making easy access to farmers. In the first year, Hemavati variety was spread to an area of 118.4 ha. In subsequent years, we could able to produce 84,85 and 54 q of seed materials. During 2019-20 Hemavati variety was in the field of 256 ha in sirsi and Siddapur taluk. Now productivity of paddy in water logged and submerged situation has been changed from 26.8q/ha to 65.4q/ha with average additional income of Rs.61760/ha. Highest productivity recorded was 76.4q/ha with additional profit of Rs.79840/ha.

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

**PART XIII - LINKAGES**

**13A. Functional linkage with different organizations**

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| IINRG Ranchi | Project on Lac cultivation |
| ASCI | Skill Trainings |
| State Dept. of Agriculture | Trainings, demonstrations, seminars and field days, ATMA |
| State Dept. of Horticulture | Training programmes, demonstrations, seminars and field days, soil testing, CHD Scheme |
| Department of Women and Child Development | Primary data collection on women and children |
| 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. | Trainings, Services(supply of inputs) |
| GGSSS, Ltd Nanikatta, Siddapur tq. | Trainings, FLDs, Method demos |
| Madhukeshwar FPO, Banavasi | Technical backstopping |
| Pragati FPO, Banavasi | Technical backstopping |
| Karnataka Forest Department | Trainings, Field visits |
| KMF | Trainings, Demonstrations |
| Department of Women and Child Development | Primary data collection on women and children |
| RUDSETI | Organizing training programmes for women SHG’s, |
| Line departments(Fisheries, Dept. of Animal Husbandry) | Organizing training programmes, income generating activities for women for women, participation as recourse person |
| BAIF, Institute for rural development | Trainings, field day, field visit, workshop |

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

**13B. List of special programmes undertaken by the KVK and operational now, which have been financed by State Govt./Other Agencies**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the scheme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
| KVK Sirsi as Voluntary /cooperating center for ICAR funded Network project on Conservation of Lac genetic resources (as PI) | December, 2018 | ICAR, New Delhi  IINRG Ranchi | 5,50,000.00 |
| Studies on wilting of Mangroove plantations of Honnavar forest division(as PI) | February 2019 | KFD, Honnavar | 2,50,000.00 |
| ARYA | June-2019 | ICAR, New Delhi | 1843000 |
| (Bio-efficacy and phytotoxicity of Imidacloprid 20% + Bifenthrin 8% SL in Rice (II Season) |  | ISK Biosciences India Pvt. Ltd., New Delhi | 170000 |
| Bioefficacy and phytotoxicity of WCPL 575 (Herbicide ) on transplanted paddy and its effect on succeeding crop (II season) (Kharif 2019) | April 2019 | Willowood, New Delhi | 238000 |
| Paramparagrat Krishi Vikas Yojane | December 2019 | ICAR, New delhi | 3,30,000.00 |
| Agronomic Investigations for Production of Teff [Eragrostic Tef] A Super Food crop | December 2019 | ATMA | 130324 |
| Analysis ANS Standrdization of Therapeutic Protocols for Reproductiive Failures Due to Tepeat Breeding and Aneestous in Dairy Animals | September 2019 | ATMA | 150000 |
| CFLD on ICM in Groundnut | December 2019 | NMOOP | 120000 |
| CFLD on ICM in Black gram and Green gram | Jan-2020 | NFSM | 360000 |
| Agriculture Skill Council of India [Organic Grower] | Feb-2020 | ICAR New Delhi | 180000 |
| Agriculture Skill Council of India [Bee Keeper] | Feb-2020 | ICAR New Delhi | 149600 |
| Agronomic Investigation for production of sugarcane and quality Joni Bella( Liquid Jaggery ) in Uttarakannada Distict | 2018(continued) | UAS, Dharwad(SRP) | 200000 |
| Demonstration of Beekeeping for Economic uplitment of Scheduled caste/ tribe farmers of UK District | October 2010 | UAS, Dharwad(SRP) | 500000 |
| Studies on Sandalwood[santalum album L.] based agroforestry system in karnataka | Feb 2020 | UAS Dharwad (innovative SRP under SCP/TSP) | 320000 |
| On farm Research and Demonstration agroforestry system Perspective under tribal Sub plan [TSP] | Feb 2020 | UAS Dharwad (innovative SRP under SCP/TSP) | 483000 |
| GKMS | Continuous project | IMD | 160000 |

**13C. Details of linkage with ATMA**

**Coordination activities between KVK and ATMA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.NO.** | **Programme** | **Particulars** | **No. of programmes attended by KVK staff** | **No. of programmes Organized by KVK staff** | **Other remarks ( if any)** |
| 01 | Meetings |  | 10 | - | - |
| 02 | Research Projects | Agronomic Investigations for production of Teff crop | 1 |  | 2 Year Project Budget – 150000/- |
|  |  | Analysis and standardization of therapeutic protocols for reproductive failures due to repeat breeding and anoestrous in Dairy animals | **-** | One infertility camp organized at Dodnalli cluster, diagnosed and treated 18 infertile cows | 1Year Project Budget – 150000/- |
| 03 | Demonstrations |  |  | 2 FLDs |  |
| 04 | Training programmes | FFS | 8 | - | - |
|  |  | Guest Lecture | 22 | - | - |
|  |  | Off camps and awareness programme | 1 | - | - |
| 05 | Extension Programmes | - | - | - | - |
|  | Kisan Mela | - | - | - | - |
|  | Technology Week | - | - | - | - |
|  | Exposure visit | - | - | - | - |
|  | Exhibition | - | - | - | - |
|  | Soil health camps | - | 1 | - |  |
|  | Animal Health Campaigns | - |  | - |  |
|  | Others (PI. Specify) | Field inspection, | 19 | - | District and Taluk level awards under ATMA |
| Field visits, | 22 | - |  |
| Diagnostic field visit | 18 | - | Diagnostic of field problems |
| 06 | Publications | - | - | - | - |
|  | Video Films | - | - | - | - |
|  | Books | - | - | - | - |
|  | Extension Literature | - | - | - | - |
|  | Pamphlets | - | - | - | - |
|  | Others (PI. Specify) |  |  |  |  |
| 07 | Other Activites (PI. Specify) | Farmer Scientist interaction | 1 | 1 |  |
|  | Watershed approach | - | - | - | - |
|  | Integrated Farm Development | - | - | - | - |
|  | Agri-preneurs development | - | - | - | - |

**13D. Give details of programmes implemented under National Horticultural Mission:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** | **Funds received if any Rs.** | **Expenditure during the reporting period in Rs.** | **Constraints if any** |
| 01 | CSS-MIDH Scheme | Production of seedlings and trainings | 2,30,000.00 | 40,000.00 | - |

**13E. Nature of linkage with National Fisheries Development Board : NIL**

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

**13F. Details of linkage with RKVY : NIL**

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

**13G. Kisan Mobile Advisory Services**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **Message type (Text/Voice)** | **SMS/voice calls sent (No.)** | | | | | | **Total SMS/Voice calls sent (No.)** | **Farmers benefitted (No.)** |
| **Crop** | **Livestock** | **Weather** | **Marketing** | **Awareness** | **Other enterprises** |
| January | Text | **6** |  |  |  | **1** |  | **7** | **10298** |
| February | Text | **1** |  |  |  | **3** |  | **4** | **10298** |
| March | Text | **1** |  |  |  |  |  | **1** | **10298** |
| April |  |  |  |  |  |  |  |  |  |
| May | Text |  |  |  |  |  | **1** | **1** | **9465** |
| June | Text |  |  |  |  |  | **5** | **5** | **9465** |
| July | Text |  |  |  |  |  | **2** | **2** | **9143** |
| August | Text | **1** |  |  |  |  | **1** | **2** | **9143** |
| September | Text | **1** |  |  |  |  |  | **1** | **9148** |
| October | Text |  | **1** |  |  |  | **3** | **4** | **9155** |
| November | Text |  |  |  |  |  | **5** | **5** | **9164** |
| December | Text |  |  |  |  |  | **3** | **3** | **9156** |
| **Total** |  | **10** | **1** | **0** | **0** | **4** | **20** | **35** |  |

**Note: Since April 2019 mKisan KVK account is facing login problems, this is intimated to the concerned. The above messages were sent by GKMS Unit, Sirsi.**

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

**14A. Performance of demonstration units (other than instructional farm)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Demo Unit** | **Year of**  **establishment** | **Area**  **(ha)** | **Details of production** | | | **Amount (Rs.)** | | **Remarks** |
| **Variety** | **Produce** | **Qty.** | **Cost of inputs** | **Gross income** |
| 1 | Dairy | 1982 | - | Crossbred | Milk | 7166 | 96810 | 188450 |  |

**14B. Performance of instructional farm (Crops) including seed production**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name  of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
| Variety | Type of Produce | Qty. | Cost of inputs | Gross income |
| Cereals |  |  |  |  |  |  |  |  |  |
| Paddy | 25.06.2019 | 02.01.2020 | 3.2 | Abhilasha | Certified | 135 q |  |  | Sent to Seed Unit, UASD |
|  | 28.06.2019 | 25.01.2020 | 0.8 | Hemavati | Breeder | 25q |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |
| Black gram | 19.04.2019 | 29.06.2019 | 1.2 | DU-1 | Breeder Seed | 90 kg |  |  | Sent to Seed Unit, UASD |
| Oilseeds |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fibers |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Spices & Plantation crops | | | | | | | | | |
| Coconut |  |  | 74 trees | local |  |  |  | 10000 | Auctioned |
| Arecanut |  | 02.01.2019 | 1.5 Acre | SAS-1 |  |  |  | 130000 | Auctioned |
| Floriculture |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fruits |  |  |  |  |  |  |  |  |  |
| Cashew |  | 04.04.2019 | 1.0 |  |  | 50 kg |  | 4500 |  |
| Sapota |  | 18.03.2019 | 29 trees |  |  | 150 kg |  | 3750 |  |
| Vegetables |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Others (specify) | | | | | | | | | |
| Sugarcane | 1.1.2019 | 27.04.2020 | 0.8 | SNK-635  CO-86032  Konanankatte |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**14C. 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 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**14D. Performance of instructional farm (livestock and fisheries production) : NIL**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
| Breed | Type of Produce | Qty. | Cost of inputs | Gross income |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**14E. Utilization of hostel facilities**

**Accommodation available (No. of beds)**

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| January | 17 | 56 |  |
| February | 5 | 5 |  |
| March | 3 | 3 |  |
| April | 3 | 3 |  |
| May | 4 | 4 |  |
| June | 2 | 2 |  |
| July | 4 | 4 |  |
| August | 3 | 3 |  |
| September | 10 | 10 |  |
| October | 30 | 15 |  |
| November | 22 | 6 |  |
| December | 4 | 4 |  |

**14F. Database management**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Database target** | **Database created** |
| 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 |  | Seeds/Planting Material |

**14G. Details on Rain Water Harvesting Structure and micro-irrigation system : Not Applicable**

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

**PART XV – SPECIAL PROGRAMMES**

**15.1 Paramparagath Krishi Vikas Yojana (PKVY)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl No. | Name of cluster village | Initial soil fertility status (Average of cluster village) | | | | Facilities created for organic source of manure | Name of Crops cultivated | Variety | Organic inputs applied including bio-agents and botanicals treatment | Yield (q/ha) | Economics | |
| Aval. N | Aval. P | Aval. K | OC % | Cost of cultivation (Rs/ha) | Net returns (Rs/ha) |
| 1 | 1.Dodnalli | 182.6 | 8.9 | 130.6 | 0.72 | Compost making | Teff | Brown | Compost  Greenleaf manure, diancha, forest litters, azospirillium, PSB, *pseudomonas,* neem oil | - | - | - |
|  |  |  |  |  |  | Green manure crops |  |  |  |  |  |
|  |  |  |  |  |  | Jeevamrut making unit |  |  |  |  |  |
|  |  |  |  |  |  | Green leaf manure |  |  |  |  |  |
|  |  |  |  |  |  | Forest litter |  |  |  |  |  |
|  |  |  |  |  |  | Bio fertilizers |  |  |  |  |  |
| 2 | 1.Malagi | 196.8 | 9.6 | 120.8 | 0.56 | Compost making | Teff | Brown | Compost  Greenleaf manure, diancha, forest litters, azospirillium, PSB, *pseudomonas,* neem oil | - | - | - |
|  |  |  |  |  |  | Green manure crops |  |  |  |  |  |
|  |  |  |  |  |  | Jeevamrut making unit |  |  |  |  |  |
|  |  |  |  |  |  | Green leaf manure |  |  |  |  |  |
|  |  |  |  |  |  | Forest litter |  |  |  |  |  |
|  |  |  |  |  |  | Bio fertilizers |  |  |  |  |  |

**\*Ongoing: Initiated during December 2019.**

**15.2 District Agriculture Meteorological Unit (DAMU): Not Applicable**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Agro advisories** | | | Farmers awareness programmes | |
| Sl No. | No of Agro advisories generated | No of farmers registered for agro advisories | No of farmers benefitted | No of programmes | No of farmers benefitted |
| 1 |  |  |  |  |  |
| 2 |  |  |  |  |  |
| 3 |  |  |  |  |  |
| 4 |  |  |  |  |  |

**15.3 Fertilizer awareness programme 2019**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State** | **Name of KVK** | **Details of Activities/programme Organised** | **Number of Chief Guests** | **No. of Farmers attended program** | **Total participants** |
| Karnataka | Uttara Kannada | * Information on imbalanced use of macro and micro nutrients, reaction of crops to fertilizer application, results of excess use of fertilizers, correct usage of fertilizers, schedule and method of application. * Reaction of pest and diseases to fertilizer application , harms in using chemical pesticides. * Imbalanced use of fertilizers in horticulture crops. * Live webcast of the programme * Soil Test based fertilizer application * Video show of fertilizer applications provided by ICAR * Visit to KVK Demonstration plot | 02 | 60 | 62 |

**15.4 Seed Hub: Not Applicable**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| ***Crops*** | ***Variety*** | ***Year of release*** | ***Production*** | | | | ***Remarks*** |
| ***Target (q)*** | ***Area (ha.)*** | ***Actual Production***  ***(q)*** | ***Category***  ***(FS/CS)*** |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**15.5 CFLD on Oilseed : *As per the excel sheet enclosed***

(Results of 2018-19 are furnished, Demonstrations of 19-20 are under germination stage)

**15.6 Seed on Pulses :**  As per the excel sheet enclosed

(Results of 2018-19 are furnished, Demonstrations of 19-20 are under initial vegetative stage)

**15.7 Krishi Kalyan Abhiyan: Not Applicable**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type of Activity** | **Date(s) conducted** | **No. of farmers (General)** | | | **No. of farmers**  **SC / ST** | | | **No.of extension personnel** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

**15.8 Micro-Irrigation : Not Applicable**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type of Activity** | **Date(s) conducted** | **No. of farmers (General)** | | | **No. of farmers**  **SC / ST** | | | **No.of extension personnel** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |

**PART XVI - FINANCIAL PERFORMANCE**

**16A. 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 | State Bank of India | SIRSI | 917 | SB A/c | 30157809532 | SBI002401 | SBIN0000917 |
|  | State Bank of India | SIRSI | 917 | SB A/c | 10816617558 | SBI002401 | SBIN0000917 |
|  | State Bank of India | SIRSI | 917 | SB A/c | 10816629030 | SBI002401 | SBIN0000917 |
|  | State Bank of India | SIRSI | 917 | SB A/c | 10816617296 | SBI002401 | SBIN0000917 |
|  | State Bank of India | SIRSI | 917 | CR A/c | 36527784252 | SBI002401 | SBIN0000917 |

**16B. Utilization of KVK funds during the year 2018-19(Rs. in lakh)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 108.12 | 108.12 | 98.02 |
| 2 | **Traveling allowances** | 2.75 | 2.75 | 2.18 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 2.35 | 2.35 | 2.24 |
| *B* | POL, repair of vehicles, tractor and equipments | 2.30 | 2.30 | 2.30 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 1.0 | 1.0 | 0.96 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 0.50 | 0.50 | 0.49 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 3.03 | 3.03 | 2.86 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 0.58 | 0.58 | 0.30 |
| *G* | Training of extension functionaries | 0.10 | 0.10 | 0.10 |
| *H* | Maintenance of buildings | 0 | 0 | 0.00 |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory | 0.10 | 0.10 | 0.10 |
| *J* | Library | 0.04 | 0.04 | 0.03 |
| *K* | ORD/EDP/Innv.Activities,Soil and water testing and issue of Soil health cards | 0.60 | 0.60 | 0.15 |
| *L* | Extension Activities | 0.40 | 0.40 | 0.39 |
| **TOTAL (A)** | |  |  |  |
| **B. Non-Recurring Contingencies** | |  |  |  |
| 1 | **Works** | 47.00 | 47.00 | 31.55 |
| 2 | **Equipment including SWTL & Furniture** | 0 | 0 | 0.00 |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0.00 |
| 4 | **Library** (Purchase of assets like books & journals) | 0 | 0 | 0.00 |
| **TOTAL (B)** | | 47.00 | 47.00 | 31.55 |
| **C. REVOLVING FUND** | |  |  | 0.00 |
| **GRAND TOTAL (A+B+C)** | | 168.87 | 168.87 | 141.67 |

**16C. Status of revolving fund (Rs. in lakh) for the last 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 2017 to March 2018 | 962660.02 | 1068409 | 999962 | 1031107.02 |
| April 2018 to March 2019 | 1031107.02 | 1561052.5 | 799870.5 | 1792305.02 |
| April 2019 to December 2019 | 1792305.02 | 892263 | 677861.5 | 2006706.52 |

**17. Details of HRD activities attended by KVK staff**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
| Dr. Shweta Biradar | Scientist (Home Science) | HumanResource Development for Professional Excellence | EEI, Hyderabad | 16th - 20th July 2019 |
| Dr. Roopa S Patil | Scientist (Plant Protection) | Making Greater Use Of Bio Control Agents For Organic Agriculture | Assam Agriculture University | 4th -13th  Nov 2019 |
| Dr. Shivashenkaramurthy M | Scientist (Agronomy) | Training Of Trainings Under ASCI | GKVK, Bengaluru | 20th  -22nd November 2019 |
| Dr. Shweta Biradar | Scientist (Home Science) | Advancements In Food Packaging Technologies And Its Future Prospects | CIPHET, Ludhiana | 6th – 19th December 2019 |

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

**Results of Special Programme on NUTRI GARDEN 2019 – 2020**

**Quantity (kg) of vegetables produced by beneficiaries during 5 months duration**

**Quantity of Vegetables Produced: 40 kg**

**Gross Cost: Rs 19423/-**

**Gross Return: Rs. 49525**

**Net return: Rs. 30102**

**B:C ratio 1.54**

**Farmer wise Details:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Methi** | **Coriander** | **Amaranthus** | **Palak** | **Tomato** | **Brinjal** | **Ladies Finger** | **Radish** | **Ridge Gourd** | **Bitter Gourd** | **French Bean** | **Chilli** | **Total** |
| 1 | 4 | 4.5 | 4.5 | 3 | 4.25 | 4.5 | 4.5 | 3.5 | 4.5 | 3.5 | 3.75 | 3 | 47.5 |
| 2 | 4.5 | 3 | 3.75 | 2.5 | 3.2 | 3.75 | 3.7 | 2.5 | 3.2 | 4 | 3.5 | 2.5 | 40.1 |
| 3 | 3.75 | 4.5 | 3 | 4.5 | 4.7 | 3.25 | 4 | 3.3 | 3.4 | 3.5 | 4 | 3.5 | 45.4 |
| 4 | 2.45 | 4.5 | 3.5 | 3.75 | 3.5 | 4 | 3 | 4 | 3.5 | 3.75 | 4 | 4.5 | 44.45 |
| 5 | 4 | 4.25 | 3.5 | 3.75 | 2.25 | 3.45 | 4.5 | 3.5 | 4 | 3.45 | 2.75 | 3.75 | 43.15 |
| 6 | 3.1 | 3.5 | 4 | 4.2 | 3.5 | 3.75 | 4.3 | 3.75 | 3.25 | 3.5 | 3 | 3.5 | 43.35 |
| 7 | 3 | 2.5 | 3.75 | 3.3 | 3.5 | 2.5 | 3.4 | 4.2 | 2.5 | 3.2 | 3.7 | 2.5 | 38.05 |
| 8 | 4 | 3.3 | 4 | 3.2 | 2.5 | 3.25 | 3.3 | 2.7 | 3.5 | 2.75 | 3.3 | 3.5 | 39.3 |
| 9 | 3.4 | 4.3 | 3.35 | 2.5 | 3.75 | 4 | 3.3 | 3.5 | 4 | 3.7 | 2.5 | 3 | 41.3 |
| 10 | 4 | 3 | 3.75 | 3.1 | 4 | 3.5 | 4.2 | 2.7 | 3.2 | 3.1 | 2.2 | 3.2 | 39.95 |
| 11 | 3 | 3.5 | 4.5 | 3.75 | 3.5 | 4.5 | 3.3 | 4 | 3.5 | 2.75 | 4 | 3 | 43.3 |
| 12 | 2 | 2.25 | 3 | 4 | 3.2 | 3.1 | 3.5 | 3.4 | 4 | 3.5 | 3.75 | 3 | 38.7 |
| 13 | 3.2 | 3.25 | 3.75 | 4 | 4.2 | 3.5 | 4 | 3.7 | 2.5 | 2.7 | 3 | 2.5 | 40.3 |
| 14 | 3.75 | 4.5 | 3 | 4.5 | 1.5 | 3.25 | 3.3 | 2.5 | 3.6 | 4 | 4.5 | 3.5 | 41.9 |
| 15 | 2.45 | 4.5 | 3.5 | 3.75 | 3 | 2 | 3 | 3.2 | 3.5 | 3.75 | 2 | 1.5 | 36.15 |
| 16 | 3 | 3.3 | 3.5 | 3.75 | 2.25 | 3.45 | 4.5 | 2.5 | 3 | 3.45 | 2.75 | 2.5 | 37.95 |
| 17 | 3.3 | 3.5 | 3 | 4 | 3.5 | 3.25 | 3.3 | 2.7 | 3.25 | 2 | 3 | 3.5 | 38.3 |
| 18 | 4.5 | 3 | 2.25 | 3.5 | 2 | 3.5 | 3.2 | 1.5 | 2.5 | 3.3 | 3.2 | 2 | 34.45 |
| 19 | 3 | 2 | 4 | 4 | 3.5 | 3 | 3.7 | 2.5 | 2.75 | 3 | 3.5 | 3.2 | 38.15 |
| 20 | 3.4 | 3.75 | 2.25 | 4.5 | 3.75 | 2.75 | 3.5 | 2.5 | 3 | 2.5 | 1.5 | 3 | 36.4 |
| 21 | 2 | 3.5 | 3.75 | 3 | 3.25 | 4.5 | 3.75 | 2.5 | 3.5 | 2.75 | 3..4 | 3.8 | 36.3 |
| 22 | 3 | 3.5 | 4.5 | 3.75 | 3.5 | 2.5 | 3.5 | 4 | 3.5 | 2.75 | 3.2 | 2 | 39.7 |
| 23 | 2.5 | 3.25 | 2.5 | 3.5 | 2.25 | 3.5 | 1.5 | 2.5 | 3.5 | 2.5 | 3.75 | 3 | 34.25 |
| 24 | 3.5 | 2.25 | 3.75 | 3.2 | 3.75 | 3.2 | 3 | 3.5 | 2.5 | 2.75 | 2.3 | 3 | 36.7 |
| 25 | 3.75 | 2.55 | 3 | 3.5 | 3.25 | 3.15 | 4.25 | 3.5 | 2.75 | 2.5 | 3.2 | 3.5 | 38.9 |
| 26 | 2.45 | 2.55 | 3.5 | 3.75 | 3.75 | 4 | 3 | 2 | 3.5 | 3.75 | 2 | 1.5 | 35.75 |
| 27 | 4 | 4.25 | 3.5 | 3.75 | 2.25 | 3.45 | 4.5 | 2.25 | 5 | 3.45 | 2.75 | 2.75 | 41.9 |
| 28 | 3 | 3.5 | 2 | 4.5 | 3.5 | 3.75 | 2.75 | 3.75 | 3.25 | 3.75 | 3 | 3.5 | 40.25 |
| 29 | 2.5 | 3.5 | 3.25 | 2.5 | 3 | 3.2 | 3.25 | 3.4 | 2 | 3 | 3.2 | 2 | 34.8 |
| 30 | 3 | 2.3 | 3.5 | 3.2 | 3 | 3.75 | 3.5 | 4.2 | 3.2 | 3.3 | 2.5 | 3 | 38.45 |
| 31 | 3.1 | 3.3 | 3.2 | 3.4 | 2 | 3.7 | 3 | 3.5 | 2 | 3.3 | 2.5 | 3 | 36 |
| 32 | 2.2 | 3.5 | 2.2 | 3.7 | 3.2 | 3.5 | 2 | 2.2 | 4.5 | 3 | 2.2 | 2.5 | 34.7 |
| 33 | 2.5 | 3.5 | 3.2 | 3.75 | 3.5 | 3.7 | 3.25 | 3 | 3.5 | 2.75 | 2 | 3 | 37.65 |
| 34 | 3.1 | 2.25 | 3.5 | 3.75 | 3.25 | 1.5 | 2.5 | 3.5 | 2.2 | 3.5 | 3.75 | 3 | 35.8 |
| 35 | 4 | 3.25 | 3.75 | 3.2 | 3.1 | 2.5 | 3 | 3.5 | 3.7 | 2.5 | 3 | 2 | 37.5 |
| 36 | 3.75 | 3.5 | 3 | 3.2 | 3.12 | 3.25 | 2.5 | 3.6 | 3.5 | 2 | 2.7 | 3.5 | 37.62 |
| 37 | 2.45 | 4.5 | 3.5 | 3.75 | 1.75 | 2 | 3 | 3.2 | 3.5 | 3.75 | 2 | 1.5 | 34.9 |
| 38 | 4 | 4.25 | 3.5 | 3.75 | 2.25 | 3.45 | 2.75 | 5.25 | 5 | 3.45 | 2.75 | 4.75 | 45.15 |
| 39 | 5.5 | 3.5 | 5 | 4.5 | 3.5 | 3.75 | 3.5 | 3.75 | 3.25 | 4.75 | 3 | 3.5 | 47.5 |
| 40 | 4.5 | 5.5 | 5.25 | 5.5 | 5.5 | 4.5 | 4 | 3 | 4 | 4.5 | 3.2 | 5 | 54.45 |
| 41 | 4 | 5.75 | 4 | 5.25 | 5.75 | 4 | 3.25 | 5.5 | 2 | 4 | 3 | 4 | 50.5 |
| 42 | 5.5 | 4.75 | 4.25 | 4.5 | 3.75 | 3 | 3.5 | 3.5 | 4 | 2 | 2.5 | 3 | 44.25 |
| 43 | 4 | 5.5 | 4.75 | 5 | 4 | 5.5 | 3 | 5.5 | 5.5 | 4 | 2.2 | 3.5 | 52.45 |
| 44 | 5 | 3.5 | 4.5 | 3.75 | 3.5 | 4.5 | 4.5 | 4 | 3.5 | 2.75 | 2 | 3 | 44.5 |
| 45 | 5.5 | 4.5 | 3.5 | 5.5 | 3.5 | 5 | 4 | 3.75 | 5 | 3.25 | 3 | 3.75 | 50.25 |
| 46 | 3 | 2.75 | 5 | 4 | 3 | 4.5 | 3.5 | 4.5 | 3.5 | 4 | 3.2 | 4.3 | 45.25 |
| 47 | 4.5 | 3.5 | 4.2 | 3.75 | 5.5 | 4.5 | 5.5 | 4.5 | 5 | 3 | 2 | 3 | 48.95 |
| 48 | 4 | 5.75 | 4 | 5.25 | 4.25 | 5.5 | 2 | 5.5 | 5.75 | 2 | 3.5 | 4 | 51.5 |
| 49 | 5.5 | 3 | 4.25 | 4.5 | 3.25 | 4.75 | 4 | 3.75 | 4.5 | 3.2 | 3.75 | 2.75 | 47.2 |
| 50 | 3.5 | 4 | 4.75 | 5 | 4.5 | 3.5 | 3.2 | 3.75 | 5.5 | 3 | 3 | 3 | 46.7 |
| Sum | 177.1 | 182.1 | 182.4 | 193.2 | 169.22 | 179.85 | 172.45 | 172.5 | 178.75 | 160.6 | 145.05 | 154.75 | 2067.97 |
| Average | 3.5 | 3.6 | 3.4 | 3.8 | 3.3 | 3.5 | 3.2 | 3.1 | 3.5 | 3.2 | 2.9 | 3 | 40 |
| Price | 20 | 25 | 20 | 25 | 30 | 20 | 20 | 20 | 30 | 30 | 35 | 30 |  |
| Gross return | 3500 | 4500 | 3400 | 4750 | 4950 | 3500 | 3200 | 3100 | 3500 | 4800 | 5075 | 5250 | 49525 |
| Gross cost | 1022.5 | 1702.5 | 1662.5 | 1722.5 | 1782.5 | 1682.5 | 1622.5 | 1395.5 | 1522.5 | 1522.5 | 1712.5 | 2072.5 | 19423 |
| Net return | 2477.5 | 2797.5 | 1737.5 | 3027.5 | 3167.5 | 1817.5 | 1577.5 | 1704.5 | 1977.5 | 3277.5 | 3362.5 | 3177.5 | 30102 |
| B:C | 2.4 | 1.64 | 1.04 | 1.75 | 1.77 | 1.08 | 0.97 | 1.22 | 1.29 | 2.15 | 1.96 | 1.53 | 1.54 |