**KRISHI VIGYAN KENDRA, V.C.FARM, MANDYA (MANDYA DISTRICT)**

**ANNUAL REPORT- 2022**

**(FOR THE PERIOD FROM 01 January, 2022 TO 31 December, 2022**

**KVK Address with QR Code, web site, E-mail, Tel and Host Organization details**

** University of Agricultural Sciences, Bangalore**

**ICAR-Krishi Vigyan Kendra**

**V.C.Farm, Mandya – 571405**

**Phone: 08232-277456, Mobile: 9449864250**

**email: kvkmandya@gmail.com, kvk.Mandya@icar.gov.in**

**website: www.icarkvkmandya.com**

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 |
| ICAR - Krishi Vigyan Kendra,  V.C.Farm Campus, Melukote Road  Mandya – 571 405 | Office | Fax | [kvk.Mandya@icar.gov.in](mailto:kvk.Mandya@icar.gov.in)  [kvkmandya@gmail.com](mailto:kvkmandya@gmail.com) | [www.icarkvkmandya.com](http://www.icarkvkmandya.com) |
| 08232-277456 | - |

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  GKVK, Bangalore – 560 065 | 080 – 22330153 | 080-23516836 | [vcuasb1964@gmail.com](mailto:vcuasb1964@gmail.com) | www.uasbangalore.edu.in |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Dr. N.T. Naresh | Residence | Mobile | Email |
|  | - | 9449864250 | nareshlt@gmail.com |

1.4. Year of sanction:

**1.5. Staff position as on 31 December 2022**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | Head/Senior Scientist | Dr. N.T. Naresh | Senior Scientist and Head | M | Agril.Extension | Ph.D | 79800-211150 | 143600 | 28.06.2019 | Permanent | OBC |
| 2 | Scientist/ SMS | Dr. Kamalabai Koodagi | Scientist | F | Home Science | Ph.D | 79800-211150 | 147900 | 28.02.2007 | Permanent | Others |
| 3 | Scientist/ SMS | Dr. Atheefa Munawery | Scientist | F | Soil Science | Ph.D | 57700 –182400 | 66800 | 30.01.2018 | Permanent | Others |
| 4 | Scientist/ SMS | Dr.Rekha Badalingappanavar | Scientist | F | Agronomy | Ph.D | 57700 – 182400 | 57700 | 14.07.2022 | Permanent | Others |
| 5 | Scientist/ SMS | Dr.Pavithra, S. | Scientist | F | Plant Pathology | Ph.D | 57700 –182400 | 64900 | 24.07.2018 | Permanent | SC |
| 6 | Scientist/ SMS | Dr. Suresh, D.K | Scientist | M | Agril.Extension | Ph.D | 57700 –182400 | 57700 | 14.07.2022 | Permanent | OBC |
| 7 | Scientist/ SMS | Dr. Divya, B | Scientist | F | Horticulture | Ph.D | 57700 –182400 | 57700 | 10.08.2022 | Temporary | OBC |
| 8 | Sr.Technical Officer | Mr. Mahesha H.M. | Sr.Technical Officer | M | Sericulture | M.Sc. | 44900-142400 | 59500 | 04.11.2010 | Permanent | SC |
| 9 | Technical Officer | Mrs. Saritha, N | Technical Officer | F | - | M.A., Diploma in Computer | 44900-142400 | 50500 | 29.11.2013 | Permanent | OBC |
| 10 | Sr.Technical Officer | Mrs. Apoorva K.B. | Sr.Technical Officer | F | Soil Science | M.Sc. | 44900-142400 | 59500 | 29.10.2010 | Permanent | SC |
| 11 | Assistant | Mr. Yogesh, D.S | Assistant | M | - | BBM | - | 26400 | - | Temporary | OBC |
| 12 | Jr. Stenographer | Mrs. Sowjanya Y.P | Typist cum Computer Operator | F | - | MA, B.ed | - | 24008 | - | Temporary | OBC |
| 13 | Driver - 1 | Mr. Ananda | Tractor Driver | M | - | - | 30350-58250 | 38850 | 16.10.2008 | Permanent | OBC |
| 14 | Driver - 2 | Mr. Honnegowda | Driver (LV) | M | - | 10th std | 21400-42000 | 19140 | - | Temporary | OBC |
| 15 | SS-1 | Mr. Mahadevaiah, N. | Assistant cook cum care taker | M | - | - | 19950-37900 | 25200 | 24.10.2017 | Permanent | SC |
| 16 | SS-2 | Mr. Sannaningaiah | Messenger | M | - | 7th std | - | 15840 | - | Temporary | SC |

**1.6. Total land with KVK (in ha): 20.2 ha.**

|  |  |  |
| --- | --- | --- |
| S. No. | Item | Area (ha) |
| 1 | Under Buildings | 0.20 |
| 2. | Under Demonstration Units | 1.00 |
| 3. | Under Crops | 6.48 |
| 4. | Orchard/Agro-forestry | 6.50 |
| 5. | Others | 6.03 |

**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 | June 2012 | 541.55 | 85,00,000 | - | - | Good Condition |
| 2. | Farmers Hostel | UAS, Bangalore | - | 469.69 |  | - | - | Good Condition |
| 3. | Staff Quarters | - | - | - | - | - | - | - |
| 4. | Demonstration Units |  |  |  |  |  |  |  |
|  | 1. Azolla Unit | UAS, Bangalore | - | 50.0 |  | - | - | - |
| 2. Vermi compost | UAS, Bangalore | - | 30.0 |  | - | - | - |
| 3. Low cost Silk worm rearing Unit | UAS (B) under IFSD, GoK | 2014 | 25.0 | 1,25,000 | - | - | Good Condition |
| 5 | Fencing | UAS, Bangalore | - | - | 3,10,000 | - | - | Good Condition |
| 6 | Rain Water harvesting system | - | - | - | - | - | - | - |
| 7 | Threshing floor | - | - | - | - | - | - | - |
| 8 | Farm godown | IIPR, Khanpur | November 2018 | 200.0 | 25,00,000 | - | - | Good Condition |
| 9 | Sheep and goat rearing unit | UAS, Bangalore | January 2021 | 2 gunts | 2,00,000 |  |  | Good Condition |
| 10 | Poultry rearing unit | UAS, Bangalore | January 2021 | 2 gunts | 1,00,000 |  |  | Good Condition |
| 11 | Shade net | UAS, Bangalore | January 2021 | 2 gunts | 2,00,000 |  |  | Good Condition |

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present status |
| Tractor | 2001 – Ford | 3,60,000=00 | 5638 hours | Old |
| Power tiller | 2010 | 1,35,000=00 | Nil | Good |
| Jeep | 2017 – Mahindra Bolero | 8,00,000=00 | 26,067 | Good |
| Two wheeler | 2006-TVS Star city | 40,000=00 | 5296 | Good |
| Two wheeler | 2009- Honda Activa | 49,960=00 | 41,895 | Good |

**C) Lab equipment & AV aids**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of the equipment | Year of purchase | Quantity (No.) | Cost (Rs.) | Present status |
| Personal computers | 2005 |  | - | Good Condition |
| Motorised screen | 2008 | 1 | 25,875=00 | Good Condition |
| Printer | 2008 | 1 | 31,290=00 | Good Condition |
| KIOSKOS | 2008 | 1 | 1,24,569=00 | Not functioning |
| Personal computer | 2008 | 1 | 46,000=00 | Good Condition |
| Linea Lamination Machine with Printer & UPS | - | 1 | 5,99,500=00 | Good Condition |
| Digital conductivity meter | 2005 | 1 | 7,400=00 | Good Condition |
| Digital pH meter | 2005 | 1 | 8,550=00 | Good Condition |
| Physical balance | 2005 | 1 | 12,000=00 | Good Condition |
| Magnetic stirrer | 2005 | 1 | 5,500=00 | Good Condition |
| Top loading balance | 2005 | 1 | 48,900=00 | Good Condition |
| Rotary shaker | 2005 | 1 | 27,600=00 | Good Condition |
| Double glass distillation unit | 2005 | 1 | 48,850=00 | Good Condition |
| Macro block digestion system | 2005 | 1 | 52,118=00 | Good Condition |
| Automatic distillation system | 2005 | 1 | 85,232=00 | Good Condition |
| Acid neutralizer scrubber | 2005 | 1 | 23,909=00 | Good Condition |
| Spectrophotometer | 2005 | 1 | 42,000=00 | Good Condition |
| Flame photometer | 2005 | 1 | 35,200=00 | Good Condition |
| Micro oven | 2008 | 1 | 14,980=00 | Un Serviceable |
| Micro scope | 2008 | 1 | 66,555=00 | Good Condition |
| Refrigerator | 2005 | 1 | 30,750=00 | Good Condition |
| Refrigerator | 2008 | 1 | 30,750=00 | Good Condition |
| Digital micro pipettes-one set | 2008 | 1 | 21,180=00 | Good Condition |
| pH meter | 2008 | 1 | 6,600=00 | Good Condition |
| Laminar Air flow | 2009 | 1 | 44,900=00 | Good Condition |
| Auto clave | 2009 | 1 | 28,687=00 | Good Condition |
| Eliza reader | 2009 | 1 | 1,47,155=00 | Good Condition |
| Cultivator | 2008 | 1 | 22,596=00 | Good Condition |
| Disc- plough | 2009 | 1 | 46,154=00 | Good Condition |
| Power weeder | 2009 | 1 | 27,500=00 | Good Condition |
| Cage wheel | 2009 | 1 | 5,450=00 | Good Condition |
| Cage wheel | 2009 | 1 | 25,790=00 | Good Condition |
| Drum Seeder | 2009 | 1 | 2,750=00 | Good Condition |
| Cone weeder | 2009 | 1 | 1,250=00 | Good Condition |
| Rotary weeder | 2009 | 1 | 1,150=00 | Good Condition |
| Cycle type wheel weeder | 2009 |  | 1,250=00 | Good Condition |
| Over head projector | 2000 | 1 | 15,500=00 | Not functioning |
| LCD | 2007 | 1 | 49,323=00 | Good Condition |
| Video Camera | 2009 | 1 | 1,84,000=00 | Good Condition |
| Podium with Center Tabl | 2012 | 1 | 33,231=00 | Good Condition |
| EPABX system | 2012 | 1 | 50,000=00 | Good Condition |
| Kenstar Air cooler | 2012 | 1 | 4,400=00 | Good Condition |
| 3 Seat visitor Chair (2 No.) | 2012 | 2 | 23,100=00 | Good Condition |
| Peacock visitor Chair with arms (20 No.) | 2012 | 20 | 57,000=00 | Good Condition |
| Visitor Chair (30 No.) | 2012 | 30 | 85,500=00 | Good Condition |
| Visitor Chair (1 No.) | 2012 | 1 | 2,850=00 | Good Condition |
| Dias Table | 2012 | 1 | 8,360=00 | Good Condition |
| Dias Chair with wooden frame | 2012 | 1 | 15,400=00 | Good Condition |
| SMS Tables | 2012 | 7 | 32,340=00 | Good Condition |
| Conference Table | 2012 | 1 | 26,410=00 | Good Condition |
| Welcome Board | 2012 | 1 | 4,800=00 | Good Condition |
| Hand operated Cocoon Deflossing machine | 2012 | 1 | 33,188=00 | Good Condition |
| LPG stove | 2012 | 1 | 1,447=00 | Good Condition |
| Executive Office table | 2012 | 1 | 31,350=00 | Good Condition |
| Executive high back with leather seat (1 No.) | 2012 | 1 | 11,150=00 | Good Condition |
| Executive visitor Chair with arms & leather seat (4 Nos.) | 2012 | 4 | 20,352=00 | Good Condition |
| Sofa Set | 2012 | 1 | 18,700=00 | Good Condition |
| Web Camera | 2013 | 1 | 948=00 | Good Condition |
| Paddy drum seeder | 2013 | 1 | 4,800=00 | Good Condition |
| Mixer | 2013 | 1 | 3,000=00 | Good Condition |
| Display boards (19 Nos.) | 2013 | 19 | 26,208=00 | Good Condition |
| White Writing Board | 2013 | 1 | 1,500=00 | Good Condition |
| Iron Magazine stand | 2014 | 1 | 3,800=00 | Good Condition |
| Iron Rack | 2014 | 1 | 2,100=00 | Good Condition |
| Iron Board | 2014 | 1 | 8,925=00 | Good Condition |
| 4D’Link Wifi Router | 2016 | 1 | 2,500=00 | Good Condition |
| Xerox Machine | 2016 | 1 | 89,641=00 | Good Condition |
| Display Showcase with pre laminated | 2016 | 1 | 27,000=00 | Good Condition |
| Digital Weighing Machine | 2016 | 1 | 3,900=00 | Good Condition |
| Coconut Tree Climber | 2016 | 1 | 3,100=00 | Good Condition |
| Hard Disk | 2016 | 1 | 5,200=00 | Good Condition |
| White writing Board (7 Nos.) | 2016 | 7 | 3150=00 | Good Condition |
| Steel Almirhas (3 Nos.) | 2016 | 3 | 36,068=00 | Good Condition |
| Book Case (Steel) | 2016 | 1 | 7,500=00 | Good Condition |
| Filing Cabinet (Steel) (2 No.) | 2016 | 2 | 21,000=00 | Good Condition |
| Magazine Rack | 2016 | 1 | 12,489=00 | Good Condition |
| Personal Weighing balance | 2016 | 1 | 1,250=00 | Good Condition |
| Hp Desktop system (2 Nos.) | 2016 | 2 | 31,000=00 | Good Condition |
| Speakers (2 Nos.) | 2016 | 2 | 1,000=00 | Good Condition |
| Head phone (2 Nos.) | 2016 | 2 | 840=00 | Good Condition |
| Electronic Balance | 2016 | 1 | 19,923=00 | Good Condition |
| CCTV Camera and accessories | 2016 | 1 | 19,495=00 | Good Condition |
| LAN and Accessories | 2016 | 1 | 31,486=00 | Good Condition |
| Amplifier | 2017 | 1 | 23,615=00 | Good Condition |
| Hp Laptop | 2017 | 1 | 36,500=00 | Good Condition |
| Epson Color printer | 2017 | 1 | 10,800=00 | Good Condition |
| UPS and Batteries with batteries (4 No.) | 2017 | 4 | 51,985=00 | Good Condition |
| Water Purifier (RO Grand + 12 L storage) | 2017 | 1 | 16,511=00 | Good Condition |
| Sony 32” LED TV | 2017 | 1 | 31,000=00 | Good Condition |
| Hard Disk (1 TB) | 2017 | 1 | 4,500=00 | Good Condition |
| Vertical autoclave | 2020 | 1 | 1,64,000=00 | Good Condition |
| Electronic weighing scale | 2020 | 1 | 2800=00 | Good Condition |
| Tractor leveling blade | 2020 | 1 | 27140=00 | Good Condition |
| Brush cutter | 2020 | 1 | 28500=00 | Good Condition |
| Rotary tiller | 2021 | 1 | 49000=00 | Good Condition |
| Steel almirah | 2021 | 1 | 22500=00 | Good Condition |
| Computer table | 2021 | 4 | 23200=00 | Good Condition |
| Peacock chair with arms | 2021 | 10 | 38000=00 | Good Condition |
| Micro scope | 2021 | 1 | 29000=00 | Good Condition |
| Almirah | 2022 | 6 | 84600=00 | Good Condition |
| Disply rack | 2022 | 1 | 42300=00 | Good Condition |
| Office table | 2022 | 3 | 21000=00 | Good Condition |
| Office chair | 2022 | 3 | 21000=00 | Good Condition |

**D) Farm equipment and implements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of the equipment/implement | Year of purchase | Quantity (No.) | Cost (Rs.) | Present status |
| Tractor | 2007 | 1 | Book transferred from ZARS | Un Serviceable |
| Tiller | 2010 | 1 | 126442 | Good Condition |
| Brush cutter | 2020 | 1 | 16102 | Good Condition |
| Weeder | 2009 | 1 | 27500 | Good Condition |
| Sprayer | 2017 | 2 | 4000 | Good Condition |
| Spade | 2017 | 4 | 250 | Good Condition |
| Sickle | 2010 | 1 | 600 | Good Condition |
| V-Guard pumpset | 2010 | 1 | 18304 | Good Condition |
| Knapsack sprayer | 2013 | 1 | 9500 | Good Condition |
| Chicken scale | 2019 | 2 | 7350 | Good Condition |
| Secateurs | 2019 | 2 | 820 | Good Condition |
| Picase | 2021 | 2 | 280 | Good Condition |
| Falcon secature | 2022 | 5 | 2200 | Good Condition |
| TATA sickle | 2022 | 5 | 950 | Good Condition |
| TATA mysore mamooty | 2022 | 5 | 2250 | Good Condition |
| 25 mm crowbar | 2022 | 2 | 2800 | Good Condition |

**1.8. Details of SAC meeting organized**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Date | Number of Participants | Salient Recommendations | Action taken | Remarks, if any |
| 14.02.2023 | 48 | Conduct field demonstrations on inter cropping in sugarcane | The work as discussed in the SAC meeting has been initiated. | - |
| - | - | Continue the awareness programmes and demonstrations regarding Sugarcane trash management | - | - |
| - | - | Conduct awareness programmes on management of problematic soils in collaboration with Cauvery Command Area Development Authority (CADA), Mysore | - | - |
| - | - | Create awareness on water use efficiency in farmers of the district | - | - |
| - | - | Conduct programmes on promotion of Farmers Producer Organization (FPO) | - | - |
| - | - | Conduct demonstrations on suitability of intercropping in coconut orchards | - | - |
| - | - | Documentation of technology spread in Mandya district | - | - |
| - | - | Conduct awareness programmes on management of pest in coconut | - | - |
| - | - | Organize training programmes on value addition of coconut powder | - | - |

**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 | Paddy-Paddy |
| 2 | Mulberry-Mulberry |
| 3 | Paddy- Sugarcane |
| 4 | Sugarcane-Sugarcane |
| 5 | Sugarcane-Paddy |
| 6 | Ragi-Ragi |
| 7 | Ragi-Legume-Ragi |
| 8 | Vegetables-Ragi |
| 9 | Vegetables-Ragi-flowers |
| 10 | Vegetables-Vegetables |
| 11 | Banana-Pulses |

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

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1. | Zone-6 (Karnataka)- Southern dry zone | Average rainfall-670.6-888.6 mm per annum  Elevation in m- 800-900 m in major areas an 450-800 in remaining area  Soil type- Red sandy loam in major area and small packets of red loam and black soil  Water source- Cauvery command area (46% of cultivable land) Rainfed (54% of cultivable land) |
| S. No | Agro ecological situation | Characteristics |
|  |  |  |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1. | Agro-ecological sub region-4 | Hot moist, semi arid ecological sub division with length of growing period of 150-180 days |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1. | Red sandy loam | Colour- Red  Texture: Sandy loam  Soil reaction: Acidic- Neutral (Rainfed),  Neutral- Alkaline (Irrigated)  Organic carbon: Low – Medium | 71-73 |
| 2. | Black soil | Colour- Black  Texture: Clay loam  Soil reaction: Neutral – Alkaline  Organic carbon: Low – Medium | 18-20 |
| 3. | Shallow sandy loam | Colour- Red  Texture: sandy loam  Soil reaction: Neutral – Alkaline  Organic carbon: Low – Medium | 9-10 |

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 | 68030 | 329545 | 5099 |
| 2. | Ragi | 55347 | 104504 | 1888 |
| 3. | Sericulture (Cocoon) | 16462.63 | 21213.53 | 1288 |
| 4. | Jowar | 3257 | 4474 | 1446 |
| 5. | Maize | 3490 | 10884 | 3282 |
| 6. | Groundnut | 849 | 357 | 768 |
| 7. | Niger | 213 | 27 | 127 |
| 8. | Sesamum | 3024 | 2218 | 772 |
| 9. | Castor | 36 | 21 | 604 |
| 10. | Other oil seeds | 15 | 06 | - |
| 11. | Horse gram | 35110 | 14817 | 496 |
| 12. | Cowpea | 8430 | 3115 | 389 |
| 13. | Green gram | 302 | 95 | 375 |
| 14. | Black gram | 520 | 253 | 512 |
| 15. | Other pulses | 43 | 38 | 889 |
| 16. | Sugarcane | 34637 | 3718282 | 113 |
| 17. | Fruits | 5138 | 99352 | 114.19 |
| 18. | Vegetables | 4052 | 96706 | 111.73 |
| 19. | Flowers | 1619 | 12731 | 7860 |

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

2.5. Weather data

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) |
|  |  | Maximum | Minimum |  |
| January | 0 | 30.0 | 16.2 | 99.8 |
| February | 0 | 31.7 | 16.0 | 100 |
| March | 11.5 | 33.4 | 18.3 | 99.5 |
| April | 41.5 | 34.5 | 21.4 | 99.8 |
| May | 313 | 29.7 | 21.0 | 100 |
| June | 216.5 | 31.0 | 20.9 | 100 |
| July | 88 | 28.5 | 21.0 | 100 |
| August | 413 | 29.3 | 20.9 | 99.6 |
| September | 92.5 | 29.4 | 20.3 | 100 |
| October | 327.5 | 29.4 | 19.5 | 99.7 |
| November | 26 | 28.4 | 18.9 | 97.7 |
| December | 31.5 | 28.4 | 17.0 | 99.2 |
|  | 1561 |  |  |  |

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Category** | **Population** | | **Production** | | **Productivity** | |
| **Cattle** | | | | | | |
| *Crossbred* | 366740 | | 175 (milk) | | **-** | |
| *Indigenous* |
| **Buffalo** | 145516 | | 68 (milk) | | **-** | |
| **Sheep** | | | | | | |
| Crossbred | 341774 | | 2324 (meat) | | **-** | |
| *Indigenous* |
| **Goats** | 261300 | | 2735 (meat) | | **-** | |
| **Pigs** | 6305 | | - | | **-** | |
| *Crossbred* | **-** | | **-** | | **-** | |
| *Indigenous* | **-** | | **-** | | **-** | |
| **Rabbits** | **-** | | **-** | | **-** | |
| **Poultry** | | | | | | |
| Hens | 541300 | | - | | - | |
| *Desi* | **-** | | **-** | | **-** | |
| *Improved* | **-** | | **-** | | **-** | |
| Ducks | **-** | | **-** | | **-** | |
| Turkey and others | **-** | | **-** | | **-** | |
| **Fish** | | **-** | | **-** | | **-** |
| *Marine* | | **-** | | **-** | | **-** |
| *Inland* | | **-** | | **-** | | **-** |
| Prawn | | **-** | | **-** | | **-** |
| Scampi | | **-** | | **-** | | **-** |
| Shrimp | | **-** | | **-** | | **-** |

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

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

* 1. District profile maintained in the KVK has been **Updated** for 2022: 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. | Mandya | Dudda | Hullenahalli  Hullukere | 1 | Paddy, Ragi, Sericulture & vegetables | Pest & Disease management, lack of awareness improved varieties / hybrids | ICM practices & Integrated Pest and Disease management |
| 2. | Maddur | C.A. Kere | Hallikere | 1 | Paddy, Ragi, Sericulture | Pest & Disease management, lack of awareness on farm mechanization | ICM practices & Integrated Pest and Disease management |
| 3. | Malavalli | Kasaba | Nelamakanahalli Thalagavadi | 1 | Paddy, Maize, Ragi Vegetables & Sericulture | Pest & Disease management, lack of awareness on improved varieties | Demonstration of improved varieties |
| 4. | Pandavapura | Kasaba | Agatalli  Avverahalli | 1 | Vegetables, Ragi | Pest & disease management, non use of improved varieties | Integrated Pest and Disease management, use of improved varieties |

2.9 Priority thrust areas

|  |  |
| --- | --- |
| S. No | Thrust area |
| 1. | Water saving technologies and water use of efficiency / farm equipments |
| 2. | High yielding varieties, Salt tolerant varieties / hybrids |
| 3. | Problematic soil and their management |
| 4. | Improved cultivation practices for Vegetables and silkworm rearing practices |
| 5. | Nutrient management in vegetables and mulberry |
| 6. | Insects and Disease management in paddy, pulses, vegetables and Silkworm rearing |
| 7. | Value addition to millets |
| 8. | Precision farming |

**PART III - TECHNICAL ACHIEVEMENTS**

**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** |
| 4 | 2 | 12 | 8 | 22 | 20 | 250 | 230 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Farmers/farm women)** | | | | **Training (Rural youth)** | | | |
| **3** | | | | **4** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 100 | 112 | 4000 | 5880 | 3 | 3 | 45 | 45 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Extension personnel)** | | | | **Training (sponsored)** | | | |
| **5** | | | | **6** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 3 | 4 | 250 | 375 | - | - | - | - |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Vocational)** | | | | **Extension Programmes** | | | |
| **7** | | | | **8** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| **-** | **-** | **-** | **-** | 2000 | 4300 | 8000 | 11300 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Q)** | | **Planting material (Nos.)** | |
| **9** | | **10** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 100 | 150 | 6000 | 10470 |
|  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Livestock, poultry strains and fingerlings (No.)** | | | | **Bio-products (Kg)** | | | |
| **11** | | | | **12** | | | |
| **Target** | | **Achievement** | | **Target** | | **Achievement** | |
| - | | - | | - | | - | |
|  | |  | |  | |  | |
| **Soil, water, plant and manure analysis**  **(including mobile kits)** | | | | **Mobile agro advisories provided** | | | |
| **13** | | | | **14** | | | |
| **Samples (No.)** | | **Farmers (No.)** | | **Messages including text, voice (No.)** | | **Farmers (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 500 | 500 | 686 | 686 | 150 | 12000 | 175 | 15000 |

**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** | |
|  | - | Fodder | Low yield due to use of old varieties,  Less palatability & Nutritionally low quality fodder | Assessing the performance of Hybrid Napier varieties in Mandya District | - | 2 | - | - | - | - | 4800 | - | No. | Kg |
|  | INM | Banana | Requirement of sword suckers (908/acre) for uniform growth & good crop.  Non availability of sword suckers  No bunch emergence (up to 20% ); no uniform maturity; Variation in duration of the crop (1-3months) was observed in the main field.  High cost of tissue culture plants (Rs.25/seedling). | Assessment of suitable planting material in Banana Cv. Elakki | - | 2 | - | - | - | - | 920 | - | - | - |
|  | - | Mulberry | Lack of information on application of suitable liquid microbial consortia to enhance the quality and yield of mulberry | Assessment of different liquid microbial consortia in mulberry for higher leaf yield | - | 2 | - | - | - | - | - | - | 6 | 24 lt |
|  |  | Mulberry | Least leaf yield, lack of growth due to infestation and less cocoon yield | Assessment on management of mites and thrips in mulberry | - | 2 | - | - | - | - | - | - | - | 96 |
|  |  | Paddy | Lack of information on availability of short duration and fine grain varieties with good cooking   quality | - | Demonstration of new paddy variety MSN-99 | 3 | - | - | 2 | 375 | - | - | - | 12 |
|  |  | Paddy | Private hybrids of small grain size without testing of suitability to the locality occupying the considerable area in the district.  This leads to heavy infestation of pest and diseases and low yield | - | Demonstration of new paddy variety RNR-15048 | 2 | - | - | 2 | 375 | - | - | - | 12 |
|  |  | Finger millet | Low yield , Lack of short duration varieties, Low income | - | Introduction of new Ragi variety - KMR 301 | 2 | - | - | 2 | 100 | - | - | - | 4 |
|  |  | Ragi | Ragi area in Mandya district 80000ha  low yield (10-12 q/acre) and application of FYM extents to 20-25%  imbalanced fertilizer application and lack awareness on use of bio-fertilizers and soil test based nutrient application | - | STCR based nutrient management in ragi | 2 | - | - | 2 | 50 | - | - | - | 5 |
|  |  | Sweet corn | Maize area 3282 kg/ha (Sweet corn in Hallikre cluster 50ha).  Stem borer (34%) and Downy mildew (23%) .  Indiscriminate use of pesticides | - | Integrated pest management in Sweet corn | 2 | - | - | 2 | - | - | - | - | 30 lt |
|  |  | Field bean | Low yield of field bean was due to use of local varieties.  No seed treatment with biofertilizers, indiscriminate use of plant protection chemicals etc. | - | Integrated crop management in Field bean | 2 | - | - | 1 | 100 | - | - | - | 4 |
|  |  | Black gram | Deficiency of sulphur to an extent of 35-40%  Use of sulphur free fertilizers (DAP/Urea/NPK complex) without much use of FYM to crops especially to the pulse crops. | - | Response of black gram to sulphur application in sulphur deficient soils | 2 | - | - | 2 | - | - | - | - | 20 |
|  |  | Sugarcane | The sugarcane growing area in mandya 39805ha  Burning of trash 40-45% and loss of 7-12t trash a source of nutrients.  Lack of awareness on use of microbial consortium | - | Insitu trash management in Sugarcane using microbial consortium | 2 | - | - | 2 | - | - | - | - | 150 |
|  |  | Cucumber | The indiscriminate use of fertilizers and lack of knowledge on use of micronutrients, improper nutrient scheduling and flower drop | - | Integrated crop management in cucumber | 2 | - | - | 2 | - | - | - | - | 25 |
|  |  | Yard long bean | Yellow mosaic disease incidence (>39 %)  Indiscriminate use of plant protection chemical  Hence IPM demonstration is much needed | - | Integrated approach for yellow mosaic management in yard long bean | 2 | - | - | 2 | 110  Fodder maize | - | - | 200 | 560 |
|  |  | Chilli | The main problem in chilli crop is murda complex (35%), powdery mildew (14%), flower dropping (10%),  Lack of information about resistant/tolerant high yielding hybrid and non adoption of integrated nutrient and pest management practices. | - | Integrated Crop Management in Chilli | 2 | - | - | 2 | 300 g | - | - | 100 | 20 |
|  |  | Dolichos | Dolichos is a perennial herbaceous plant often grown as a annual crop. Presently farmers are growing perennial pole type and unaware of bush type Dolichos bean .  Hence, this demonstration will be taken up to introduce bush type varieties. | - | Introduction of bush type Dolichos bean var. Arka Sambhram | 2 | - | - | 2 | 60 | - | - | 150 | 30 |
|  |  | Chrysanthemum | The major problems faced by growers is pest (thrips, mites, aphids and bud caterpillar) and disease (leaf rust, wilt and leaf spot), non adoption of integrated pest and disease management practices. | - | Integrated pests and diseases management of chrysanthemum | 2 | - | - | 2 | - | - | - | 100 | 100 |
|  |  | Silkworm | Lack of information on rearing of Improved silkworm double hybrids  Multivoltine cocoons leads low yield and poor quality | - | Demonstration of improved silkworm double hybrid  FC-1 X FC-2 | 1 | - | - | 2 | 1000 DFLs | - | - | - | - |
|  |  | Mulberry | Low mulberry leaf yield due to stunted growth in apical portion  Lack of information about biological control | - | Biological management of leaf roller in mulberry | 1 | - | - | 1 | - | - | - | - | 5 L |
|  |  | Silkworm | Uzi fly infestation causes 10-15% loss to silkworm rearers and occurs predominant during rainy season.  Severe infestation of uzi fly during silkworm rearing yields more defective cocoons leads to low cocoon price. | - | Integrated management of uzi fly in silkworm rearing | 1 | - | - | 1 | - | - | - | 20+  40 | - |
|  |  | Mulberry | Lack of information on soil and water conservation practices.  Improper nutrient management.  Lack of information about application of bio fertilizers | - | Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | 1 | - | - | 1 | 25 | - | - | - | 70 |
|  |  | Waste decomposer | Yearly from rearing seri bed waste accounts to 7-8tons.  lack of awareness on recycling of silkworm bed residue using compost culture | - | Demonstration on quality compost production from seri farm residue using waste decomposer consortia | 2 | - | - | 3 | - | - | - | 20 | - |
|  |  | Terrace gardening | Nutrition insecurity, Malnutrition, Low consumption & timely non availability of organic fresh vegetables, Improper utilization of kitchen waste | - | Urban terrace gardening | 2 | - | - | 2 | 9 no  Veg. kit | - | - | - | - |
|  |  | Banana | Lack of knowledge about value addition, packing and labelling | - | Demonstration of Banana value added products | 2 | - | - | 2 | - | - | - | - | - |
|  |  | Tamarind | Lack of awareness on processing, Branding and labeling of tamarind value added products | - | Processing and Branding of Tamarind Value added products | 2 | - | - | 3 | - | - | - | - | - |
|  |  | nutrifarms | Less utilization of vegetables in diet. High cost and residual problems associated with fresh vegetables | - | Demonstration of nutrifarms for year round nutrition security among farm families | 2 | - | - | 2 | 34.75 | - | - | - | 25 |

**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 | Assessing the performance of Hybrid Napier varieties in Mandya District | UAS, Bangalore | Fodder | 03 | **-** | 1 | **-** |
| 2 | Assessment of suitable planting material in Banana Cv. Elakki | UAS, Bangalore | Banana | 03 | **-** | 2 | **-** |
| 3 | Assessment of different liquid microbial consortia in mulberry for higher leaf yield | UAS, Bangalore | Mulberry | 03 | **-** | 2 | **-** |
| 4 | Assessment on management of mites and thrips in mulberry | UAS, Bangalore  CSR&TI, Mysore  ICAR - NBAIR, Bengaluru | Mulberry | 03 | **-** | 2 | **-** |
| 5 | Demonstration of new paddy variety MSN-99 | UAS, Bangalore | Paddy | - | 15 | 2 | **-** |
| 6 | Demonstration of new paddy variety RNR-15048 | UAS, Bangalore | Paddy | - | 15 | 2 | **-** |
| 7 | Introduction of new Ragi variety - KMR 301 | UAS, Bangalore | Ragi | - | 20 | 2 | **-** |
| 8 | STCR based nutrient management in ragi | UAS, Bangalore | Ragi | - | 10 | 2 | **-** |
| 9 | Integrated pest management in Sweet corn | UAS, Bangalore | Sweet corn | - | 15 | 2 | **-** |
| 10 | Integrated crop management in Field bean | UAS, Bangalore | Field bean | - | 10 | 2 | **-** |
| 11 | Response of black gram to sulphur application in sulphur deficient soils | AICPIP, New Delhi  UAS, Bangalore | Black gram | - | 10 | 2 | **-** |
| 12 | Insitu trash management in Sugarcane using microbial consortium | UAS, Bangalore | Sugarcane | - | 25 | 2 | **-** |
| 13 | Integrated crop management in cucumber | IIHR | Cucumber | - | 05 | 2 | **-** |
| 14 | Integrated approach for yellow mosaic management in yard long bean | IIVR, Varanasi and UAS,B | Yardlong bean | - | 10 | 2 | **-** |
| 15 | Integrated Crop Management in Chilli | IIHR | Chilli | - | 10 | 2 | **-** |
| 16 | Introduction of bush type Dolichos bean var. Arka Sambhram | IIHR | Dolichos bean | - | 15 | 2 | **-** |
| 17 | Integrated pests and diseases management of chrysanthemum | IIHR | Chrysanthemum | - | 10 | 2 | **-** |
| 18 | Demonstration of improved silkworm double hybrid  FC-1 X FC-2 | CSR&TI, Mysore | Silkworm | - | 10 | 2 | **-** |
| 19 | Biological management of leaf roller in mulberry | CSR&TI, Mysore | Mulberry | - | 10 | 2 | **-** |
| 20 | Integrated management of uzi fly in silkworm rearing | CSR&TI, Mysore | Silkworm | - | 10 | 2 | **-** |
| 21 | Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | UAS, Bangalore | Mulberry | - | 10 | 2 | **-** |
| 22 | Demonstration on quality compost production from seri farm residue using waste decomposer consortia | UAS, Bangalore | Waste decomposer | - | 10 | 2 | **-** |
| 23 | Urban terrace gardening | UAS, Bangalore | Terrace gardening | - | 05 | 2 | **-** |
| 24 | Demonstration of Banana value added products | NRCB & UAS B | Banana | - | 01  SHG | 2 | **-** |
| 25 | Processing and Branding of Tamarind Value added products | IIHR | Tamarind | - | 01  SHG | 2 | **-** |
| 26 | Demonstration of nutrifarms for year round nutrition security among farm families | UAS, Bangalore | Nutrition security | - | 25 | 2 | **-** |

**3.B2 contd..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of farmers covered** | | | | | | | | | | | | | | | |
| **OFT** | | | | **FLD** | | | | **Training** | | | | **Others (Specify)** | | | |
| **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | |
| **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** |
| **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| 6 | 1 | 3 | 2 | 144 | 36 | 40 | 30 | 4525 | 670 | 872 | 233 | - | - | - | - |

**PART IV - On Farm Trial**

**4.A1. Abstract on the number of technologies assessed in respect of crops**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
| Integrated Nutrient Management |  |  |  | 1 |  |  |  |  |  | 1 |
| Varietal Evaluation | 1 |  |  |  |  |  |  |  |  | 1 |
| Integrated Pest Management |  |  |  | 1 |  |  |  |  |  | 1 |
| Integrated Crop Management |  |  |  |  |  | 1 |  |  |  | 1 |
| 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 |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Farm Mechanization |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| others |  |  |  |  |  |  |  |  |  |  |
| **Total** | **1** |  |  | **2** |  | **1** |  |  |  | **4** |

**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 |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Farm Mechanization |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Others |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |

**4.A3. Abstract on the number of technologies assessed in respect of livestock : 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 |  |  |  |  |  |  |
| Dairy |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |

**4.A4. Abstract on the number of technologies refined in respect of livestock : 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 |  |  |  |  |  |  |
| Dairy |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technologies** | **No. of trials** | **Number of farmers / locations** | **Area in ha (Per trial covering all Technological Options in a farm)** |
| Integrated Nutrient Management |  | Assessment of suitable planting material in Banana Cv. Elakki | 3 | 3 | 3.0 |
|  | Assessment of different liquid microbial consortia in mulberry for higher leaf yield | 3 | 3 | 3.0 |
| Varietal Evaluation |  | Assessing the performance of Hybrid Napier varieties in Mandya District | 3 | 3 | 0.24 |
|  |  |  |  |  |
| Integrated Pest Management |  | Assessment on management of mites and thrips in mulberry | 3 | 3 | 0.4 |
|  |  |  |  |  |
| 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.2. Technologies Refined under various Crops : Nil**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technologies** | **No. of trials** | **Number of farmers/locations** | **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 |  |  |  |  |  |
|  |  |  |  |  |
| Post Harvest Technology/Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |
| Farm Mechanization |  |  |  |  |  |
| Others, Pl specify |  |  |  |  |  |
| **Total** |  |  |  |  |  |

**4.B.3. Technologies assessed under Livestock : Nil**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Thematic areas** | **Name of the livestock** | **Name of the technologies** | **No. of trials** | **No. of farmers/locations** |
| Evaluation of breeds |  |  |  |  |
| Nutrition management |  |  |  |  |
| Disease management |  |  |  |  |
| Processing and Value addition |  |  |  |  |
| Production and management |  |  |  |  |
| Feed and fodder management |  |  |  |  |
| Small scale income generating enterprises |  |  |  |  |
| Others, pl. specify |  |  |  |  |
| **Total** | | |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Thematic areas** | **Name of the livestock** | **Name of the technologies** | **No. of trials** | **No. of farmers/locations** |
| Evaluation of breeds |  |  |  |  |
| Nutrition management |  |  |  |  |
| Disease management |  |  |  |  |
| Processing and Value addition |  |  |  |  |
| Production and management |  |  |  |  |
| Feed and fodder management |  |  |  |  |
| Small scale income generating enterprises |  |  |  |  |
| Others, pl. specify |  |  |  |  |
| **Total** |  |  |  |  |

4.B.5. T**echnologies assessed under various enterprises by KVKs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. | **Thematic areas** | **Name of the enterprise** | **Name of technology(s)** | **No. of trials** | **No. of locations** |
| 1 | Drudgery reduction |  |  |  |  |
| 2 | Entrepreneurship Development |  |  |  |  |
| 3 | Health and nutrition |  |  |  |  |
| 4 | Processing and value addition | Banana flour | Value Addition, Branding and Market Linkage | 5 | 3 |
|  |  |  |  |  |  |
| 5 | Energy conservation |  |  |  |  |
| 6 | Small-scale income generation |  |  |  |  |
| 7 | Storage techniques |  |  |  |  |
| 8 | Household food security |  |  |  |  |
| 9 | Organic farming |  |  |  |  |
| 10 | Agroforestry management |  |  |  |  |
| 11 | Mechanization |  |  |  |  |
| 12 | Resource conservation technology |  |  |  |  |
| 13 | Value Addition |  |  |  |  |
| 14 | Others, pl. specify |  |  |  |  |

4.B.6.T**echnologies assessed under various enterprises for women empowerment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Thematic areas** | **Name of enterprise** | **Name of technology(s)** | **No. of trials** | **No. of locations** |
| 1 | Drudgery Reduction |  |  |  |  |
| 2 | Entrepreneurship Development |  |  |  |  |
| 3 | Health and Nutrition | - | Urban Terrace Gardening | 5 | 5 |
| Nutrition Garden | Nutrition Garden | 5 | 5 |
| 4 | Value Addition | Tamarind | Value Addition, Branding and Market Linkage | 5 | 3 |
| 5 | Women Empowerment |  |  |  |  |
| 6 | Others, pl. specify |  |  |  |  |
|  |  |  |  |  |  |

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

**OFT-1**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Fodder | Irrigated | Low yield due to use of old varieties & Less palatability & Nutritionally low quality fodder | Assessing the performance of Hybrid Napier varieties in Mandya District | 3 |  |  |  |  | Leaf to stem ratio | Palatability |  |  |  |
| TO1 (Farmers practice) CO-3 | Farmers practice | 148.2 | t/ha. | 0.61 | 76.40 | - | - | - |
| TO2: BHN-10 | UAS-B | 157.50 | t/ha. | 0.65 | 78.50 | - | - | - |
| TO3: PBN-342 | PAU, Ludhiana | 178.20 | t/ha. | 0.76 | 84.55 | - | - | - |
| TO4: Super CO-5 | TNAU | 169.80 | t/ha. | 0.69 | 77.10 | - | - | - |

4. C2. Feedback on technologies assessed

|  |  |  |
| --- | --- | --- |
| Name of technology assessed | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Assessing the performance of Hybrid Napier varieties in Mandya District | The treatment TO3 recorded higher yield and higher palatability percent | - |

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessing the performance of Hybrid Napier varieties in Mandya District

2. Performance of the Technology on specific indicators : The palatability in TO3 has recorded upto 84.55% as compare to all other varieties which is more congenial and   
 acceptable for the animals

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 -

6. Feedback on usefulness and constraints of technology -

**OFT-2 : Ongoing**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Banana | Irrigated | * Requirement of sword suckers (908/acre) for uniform growth & good crop. * Non availability of sword suckers * No bunch emergence (up to 20% ); no uniform maturity; Variation in duration of the crop (1-3months) was observed in the main field. * High cost of tissue culture plants (Rs.25/seedling). | Assessment of suitable planting material in Banana Cv. Elakki | 3 | TO1 – Use of suckers Cv. Elakki. | Farmers Practice | On going | | | | | |
| TO2 – Use of tissue culture plants Cv. Elakki. | UAS, Bangalore |
| TO3 – Use of Macro propagated plants Cv. Elakki. | NRC Banana, Trichi TN |

4. C2. Feedback on technologies assessed : On going

|  |  |  |
| --- | --- | --- |
| Name of technology assessed | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Assessment of suitable planting material in Banana Cv. Elakki | - | - |

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of suitable planting material in Banana Cv. Elakki

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

6. Feedback on usefulness and constraints of technology

**OFT-3**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Mulberry | Irrigated | Lack of information on application of suitable liquid microbial consortia to enhance the quality and yield of mulberry | Assessment of different liquid microbial consortia in mulberry for higher leaf yield | 3 |  |  |  |  | No. of branches/ plant | Leaf yield (q/ha.) |  |  |  |
| TO1 - Application of recommended NPK & FYM (140:56:56 kg and 10 ton acre / year) | Farmers Practice | 264.6 | Kg/3 crop | 10.6 | 344.96 | 132300 | 73119 | 2.24 |
| TO2 - Application of recommended NPK & FYM (140:56:56 kg and 10 ton acre / year) Farmers Practice + supply of liquid microbial consortia through drip (3ltr/acre/crop) | UAS B | 343.8 | Kg/3 crop | 14.8 | 458.13 | 171900 | 113058 | 2.92 |
| TO3 - Application of recommended NPK & FYM (140:56:56 kg and 10 ton acre / year) Farmers Practice + supply of Arka microbial consortia through drip (3ltr/acre/crop) | IIHR, Bengaluru | 297.6 | Kg/3 crop | 14.53 | 448.13 | 148800 | 88425 | 2.46 |
| TO4 - Application of recommended NPK & FYM (140:56:56 kg and 10 ton acre / year) Farmers Practice + supply of waste decomposer solution (200 ltrs/acre/crop) | NCOF, Ghaziabad | 292.50 | Kg/3 crop | 13.73 | 422.29 | 146250 | 86700 | 2.45 |

4. C2. Feedback on technologies assessed

|  |  |  |
| --- | --- | --- |
| Name of technology assessed | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Assessment of different liquid microbial consortia in mulberry for higher leaf yield | The nutrient content in the leaf is good wherein microbial consortium used along with recommended fertilizers. | Maintenance of consortium by the farmers found to be difficult |

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment of different liquid microbial consortia in mulberry for higher leaf yield 2. Performance of the Technology on specific indicators : The cocoon yield 114.6 kg/100 DFLs recorded in TO2 which is best compare to other treatments

3.Specific Feedback from farmers : The quality of the cocoon was good

4.Specific Feedback from Extension personnel and other stakeholders : The leaf quality and the yield was good, which lead to good quality cocoon production

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

6. Feedback on usefulness and constraints of technology: -

**OFT-4**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |
| Mulberry | Irrigated | Mites and thrips severity is 35-40 % especially during *Rabi*  Lack of different management practices to control mites and thrips in mulberry for better yield. | Assessment on Management of Mites and Thrips in Mulberry | 3 |  |  |  |  | Decrease in thrips population % | Leaf moisture in % |  |  |  |
| TO1 - Spraying of Dimethoate 30 EC (2ml/L) at 12-15 DAP | Farmers’ Practice | 9443.75 | Kg/ha. | 37.68 | 70.98 | 240500 | 158700 | 2.94 |
| TO2 - Spraying of Dimethoate 30% EC (2ml/L) at 8 DAP & propargite 57 EC (1.5 ml/L) at 15 DAP | UAS (B) | 9604.8 | Kg/ha. | 66.17 | 74.76 | 253500 | 170875 | 3.07 |
| TO3 - Spraying of Dimethoate 30% EC (0.3%) at 8 DAP & Fenzaquin (1.5 ml/L) (20 days)/ Cyenopyrafen (0.5 ml/L) (15 days) / wettable sulphur (80%) 3 g/L | CSRTI, Mysuru | 9724.45 | Kg/ha. | 83.56 | 78.83 | 279500 | 200275 | 3.40 |
| TO4 - Spraying of Bacteria (Shatpada-All rounder) - @ 20 g/L, 4 sprays at 5 days interval @ 15 days after pruning | ICAR - NBAIR, Bengaluru | 9655.45 | Kg/ha. | 69.04 | 75.67 | 273000 | 191550 | 3.35 |
| TO5 - Spraying of Bacteria (Shatpada-Master Blaster) - @ 20 g/L, 4 sprays at 5 days interval @ 15 days after pruning | ICAR - NBAIR, Bangalore | 9600.25 | Kg/ha. | 63.16 | 75.04 | 266500 | 185050 | 3.27 |

4. C2. Feedback on technologies assessed

|  |  |  |
| --- | --- | --- |
| Name of technology assessed | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Assessment on Management of Mites and Thrips in Mulberry | The use of phenazaquin and spinopirofus wettable sulphur along with dimethioate as helped decrease in thrips population without affecting the silkworms | The farmers have and imagination that use of these chemicals will affect growth of silkworms, because of which they are hesitating to adopt to the technology |

4.C3. Details of Successfully completed / concluded technology assessment (support with necessary summary of data and photographs)

1. Title of Technology Assessed : Assessment on Management of Mites and Thrips in Mulberry

2. Performance of the Technology on specific indicators : Spraying of Dimethoate 30% EC (2ml/L) at 8 DAP & propargite 57 EC (1.5 ml/L) at 15 DAP, as resulted in better leaf yield and the thrips population as decreased

3.Specific Feedback from farmers : Use of above treatment has resulted in decreased thrips but farmers have to be motivated to come forward to use the chemicals

4.Specific Feedback from Extension personnel and other stakeholders : The treatment has resulted in better management of thrips and it can be upscaled or forwarded to other farmers for better management

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

6. Feedback on usefulness and constraints of technology -

**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. D2. Feedback on technologies refined : Nil

|  |  |  |
| --- | --- | --- |
| Name of technology refined | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
|  |  |  |

4.D.2. Details of Technologies refined: Nil

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

6. Feedback on usefulness and constraints of technology

**PART V - FRONTLINE DEMONSTRATIONS**

**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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif & rabi | Black gram |  |  | INM | Response of black gram to sulphur application in sulphur deficient soils | 4.0 | 4.0 | 2 | 8 | 10 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | Paddy | MSN-99 |  | Introduction of new variety | Demonstration of new paddy variety MSN-99 | 6.0 | 6.0 | 3 | 13 | 15 | - |
|  |  | Irrigated | Kharif | Paddy | RNR-15048 |  | Introduction of new variety | Demonstration of new paddy variety RNR-15048 | 6.0 | 6.0 | 4 | 11 | 15 | - |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | Ragi | KMR 301 |  | Nutrient management | Introduction of new Ragi variety - KMR 301 | 8.0 | 8.0 | 4 | 16 | 20 | - |
|  |  | Irrigated | Kharif | Ragi | KMR-630 |  | Introduction of new variety | STCR based nutrient management in ragi | 4.0 | 4.0 | 2 | 8 | 10 | - |
|  | Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Sweet corn |  |  | IPM | Integrated pest management in Sweet corn | 6.0 | 6.0 | 3 | 12 | 15 | - |
|  |  | Irrigated | Kharif rabi | Field bean | HA-3 |  | ICM | Integrated crop management in Field bean | 4.0 | 4.0 | 1 | 9 | 10 | - |
|  |  | Irrigated | Kharif rabi | Cucumber | Swetha |  | ICM | Integrated crop management in cucumber | 2.0 | 2.0 | 1 | 4 | 5 | - |
|  |  | Irrigated | Kharif rabi | Yard long bean |  |  | ICM | Integrated approach for yellow mosaic management in yard long bean | 6.0 | 6.0 | 3 | 12 | 15 | - |
|  |  | Irrigated | Kharif rabi | Chilli | Arka haritha |  | ICM | Integrated Crop Management in Chilli | 4.0 | 4.0 | 3 | 7 | 10 | - |
|  |  | Irrigated | Kharif rabi | Dolichos |  |  |  | Introduction of bush type Dolichos bean var. Arka Sambhram | 4.0 | 4.0 | 2 | 8 | 10 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Chrysanthemum | Aishwarya |  | IPDM | Integrated pests and diseases management of chrysanthemum | 4.0 | 4.0 | 3 | 7 | 10 | - |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Sugarcane | VCF-0517 |  | INM | Insitu trash management in Sugarcane using microbial consortium | 10.0 | 10.0 | 5 | 20 | 20 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | silkworm | FC-1 X FC-2 |  | Popularization of improved variety | Demonstration of improved silkworm double hybrid  FC-1 X FC-2 | 1000  DFLs | 1000  DFLs | - | 10 | 10 | - |
|  |  | Irrigated | Kharif | mulberry | V-1 |  | Leaf roller in Mulberry | Biological management of leaf roller in mulberry | 2.0 | 2.0 | - | 10 | 10 | - |
|  |  | Irrigated | Kharif | silkworm | FC-1 X FC-2 |  | uzi fly management | Integrated management of uzi fly in silkworm rearing | 10  Units | 10  Units | - | 10 | 10 | - |
|  |  | Irrigated | Kharif | mulberry | V-1 |  | Seri Suvarna (UAS,B) method | Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | 2.0 | 2.0 | - | 10 | 10 | - |
|  |  | Irrigated | Kharif | compost production |  |  | Waste decomposer consortia | Demonstration on quality compost production from seri farm residue using waste decomposer consortia | 10  Units | 10  Units | - | 10 | 10 | - |
|  | 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 | Status of soil | | | Previous crop grown |
| N | P | K |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Pulses |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif & rabi | Black gram |  |  | INM | Response of black gram to sulphur application in sulphur deficient soils | - | - | - |  |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | Paddy | MSN-99 |  | Introduction of new variety | Demonstration of new paddy variety MSN-99 | 298.40 | 29.6 | 168.23 | Paddy |
|  |  | Irrigated | Kharif | Paddy | RNR-15048 |  | Introduction of new variety | Demonstration of new paddy variety RNR-15048 | 291.36 | 19.68 | 175.11 | Paddy |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif | Ragi | KMR 301 |  | Introduction of new variety | Introduction of new Ragi variety - KMR 301 | 249.60 | 23.40 | 182.50 | Pulses |
|  |  | Irrigated | Kharif | Ragi | KMR-630 |  | Nutrient management | STCR based nutrient management in ragi | 269 | 29.6 | 172 | Puses, veg. |
|  | Vegetables |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Sweet corn |  |  | IPM | Integrated pest management in Sweet corn | 316.82 | 36.50 | 208.63 | Sweet corn, Pulses |
|  |  | Irrigated | Kharif rabi | Field bean | HA-3 |  | ICM | Integrated crop management in Field bean | 253.53 | 28.65 | 176.89 | Pulses |
|  |  | Irrigated | Kharif rabi | Cucumber | Swetha |  | ICM | Integrated crop management in cucumber | 385.56 | 39 | 213.89 | Veg. |
|  |  | Irrigated | Kharif rabi | Yard long bean |  |  | ICM | Integrated approach for yellow mosaic management in yard long bean | 312.44 | 33.84 | 210.66 | Veg. |
|  |  | Irrigated | Kharif rabi | Chilli |  |  | ICM | Integrated Crop Management in Chilli | 245.31 | 38.52 | 211.69 | Veg., Pulses |
|  |  | Irrigated | Kharif rabi | Dolichos | Arka Sambraham |  | Introduction of new variety | Introduction of bush type Dolichos bean var. Arka Sambhram | 236.75 | 26.78 | 186.44 | Veg. |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Chrysanthemum | Aishwarya |  | IPDM | Integrated pests and diseases management of chrysanthemum | 263.45 | 28.69 | 189.44 | Veg., flowers |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Commercial |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Kharif rabi | Sugarcane | VCF-0517 |  | INM | Insitu trash management in Sugarcane using microbial consortium | 305.61 | 36.75 | 198.75 | Sugarcane |
|  | 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) | | | Check | % Increase | Economics of demonstration (Rs./ha) | | | Economics of check (Rs./ha) | | |
|  |  |  |  |  |  |  | Demo | | | Gross  Return | Net Return | BCR | Gross  Return | Net Return | BCR |
|  |  |  |  |  |  |  | H | L | A |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Response of black gram to sulphur application in sulphur deficient soils | LBG-791 |  | Kharif & rabi | 10 | 4.0 | On going | | | | | | | | | | |
|  | Integrated crop management in Field bean | HA-3 |  | Kharif  rabi | 10 | 4.0 | 11.5 | 9.0 | 10.25 | 7.60 | 34.86 | 189625 | 116825 | 2.60 | 140600 | 55100 | 1.64 |
| Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Demonstration of new paddy variety MSN-99 | MSN-99 |  | Kharif | 15 | 6.0 | 64.80 | 60.20 | 63.45 | 52.20 | 21.55 | 126900 | 60400 | 1.92 | 93960 | 24160 | 1.36 |
|  | Demonstration of new paddy variety RNR-15048 | RNR-15048 |  | Kharif | 15 | 6.0 | 64.2 | 59.40 | 62.28 | 51.98 | 19.81 | 124560 | 56500 | 1.9 | 93564 | 25363 | 1.34 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Introduction of new Ragi variety - KMR 301 | KMR 301 |  | Kharif | 20 | 8.0 | 32.75 | 29.8 | 31.40 | 25.20 | 24.60 | 75360 | 39860 | 2.12 | 60480 | 18980 | 1.45 |
|  | STCR based nutrient management in ragi | KMR-630 |  | Kharif | 10 | 4.0 | 46.4 | 40.50 | 42.52 | 33.75 | 25.98 | 89292 | 49371 | 2.24 | 70875 | 29888 | 1.73 |
| Vegetables |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Integrated pest management in Sweet corn | G-5417  (Syngenta) |  | Kharif  rabi | 15 | 6.0 | 155 | 148 | 152 | 138 | 10.89 | 310000 | 244250 | 4.7 | 277400 | 201400 | 3.65 |
|  | Integrated crop management in cucumber | Shwetha |  | Kharif  rabi | 05 | 2.0 | 212 | 156 | 188 | 160 | 17.5 | 300800 | 137050 | 1.84 | 256000 | 69750 | 1.37 |
|  | Integrated approach for yellow mosaic management in yard long bean | Shine | - | Kharif | 10 | 4.0 | 346 | 298 | 321.3 | 286.3 | 12.22 | 706860 | 561590 | 4.80 | 588589 | 439756 | 3.95 |
|  | Integrated Crop Management in Chilli | Arka haritha |  | Kharif  rabi | 10 | 4.0 | 310 | 220 | 267.0 | 225.0 | 18.66 | 267000 | 154613 | 2.37 | 225000 | 94438 | 1.72 |
|  | Introduction of bush type Dolichos bean var. Arka Sambhram | Arka Sambhram |  | Kharif  rabi | 15 | 6.0 | 20.0 | 18.0 | 18.0 | 12.75 | 41.0 | 270000 | 155700 | 2.48 | 191250 | 106250 | 1.25 |
| Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Integrated pests and diseases management of chrysanthemum | Aishwarya |  | Kharif  rabi | 10 | 4.0 | 147 | 141 | 145.0 | 107.4 | 35.0 | 580000 | 404500 | 2.37 | 311460 | 112660 | 1.72 |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Demonstration of improved silkworm double hybrid  FC-1 X FC-2 | FC-1 X FC-2 |  | Kharif  rabi | 10 | 100  DFLs | 97.52 | 91.32 | 93.52 | 80.95 | 15.52 | 70140 | 51436 | 3.75 | 48570 | 34516 | 3.0 |
|  | Biological management of leaf roller in mulberry | V-1 |  | Kharif  rabi | 10 | 2.0 | 9468 | 9050 | 9320 | 8861 | 5.18 | - | - | - | - | - | - |
|  | Integrated management of uzi fly in silkworm rearing | FC-1 X FC-2 |  | Kharif  rabi | 10 | 10  Units | 84.50  (kg/100  DFLs) | 78.1  (kg/100  DFLs) | 81.52  (kg/100  DFLs) | 74.31  (kg/100  DFLs) | 9.70 | 57105 | 42255 | 3.84 | 50530 | 34880 | 3.23 |
|  | Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | V-1 |  | Kharif  rabi | 10 | 2.0 | Ongoing | | | | | | | | | | |
|  | Demonstration on quality compost production from seri farm residue using waste decomposer consortia | - | - | Kharif | 10 | 10  Units | 880  Kg/t | 871  Kg/t | 876.1 | 776.2 | 23.85 | 7289 | 6361 | 2153 | 1902 | - | - |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Insitu trash management in Sugarcane using microbial consortium | VCF-0517 | - | Kharif | 25 | 10.0 | Ongoing | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **Data on other parameters in relation to technology demonstrated** | | | | |
|  | **Parameter with unit** | | **Demo** | | **Check** |
| Response of black gram to sulphur application in sulphur deficient soils | On going | | | | |
| Demonstration of new paddy variety MSN-99 | Plant height (cm) | | 106.20 | | 96.25 |
| No. of productive tillers/ Plant | | 16.82 | | 11.42 |
| No. of filled grains/ panicle | | 348.82 | | 298.64 |
| Demonstration of new paddy variety RNR-15048 | Plant height (cm) | | 97.84 | | 86.55 |
| No. of productive tillers/ Plant | | 16.20 | | 11.10 |
| No. of filled grains/ panicle | | 358.20 | | 290.45 |
| Introduction of new Ragi variety - KMR 301 | Plant height (cm) | | 102.34 | | 115.40 |
| No. of tillers/ plant | | 4.48 | | 3.50 |
| No. of fingers/panicle | | 7.20 | | 6.10 |
| STCR based nutrient management in ragi | Plant height (cm) | | 111.04 | | 105.86 |
| No. of tillers/ plant | | 8.8 | | 6.2 |
| Finger length (cm) | | 9.26 | | 6.4 |
| Integrated pest management in Sweet corn | Length of cob (cm) | | 16 | | 15 |
| Incidence of fall army worm (%) | | 8 | | 34.5 |
| Incidence of blight | | 7 | | 18.5 |
| Integrated crop management in Field bean | Plant height (cm) | | 54.80 | | 46.20 |
| No. of branches/ plant | | 4.15 | | 3.20 |
| No. of pods/plant (cm) | | 6.10 | | 4.90 |
| Integrated crop management in cucumber | Plant height (cm) | | 160 | | 154 |
| Fruit weight (kg) | | 0.41 | | 0.33 |
| Fruit fly incidence (%) | | 4.3 | | 22.5 |
| Integrated approach for yellow mosaic management in yard long bean | Plant height (cm) | | 205.66 | | 206.33 |
| Length of pod (cm) | | 16.83 | | 15.15 |
| Yellow mosaic disease incidence (%) | | 4.76 | | 28.01 |
| Integrated Crop Management in Chilli | Plant height (cm) | | 70.00 | | 57.42 |
| Fruit length | | 9.20 | | 7.35 |
| No. of fruits/ plant | | 211 | | 172 |
| Introduction of bush type Dolichos bean var. Arka Sambhram | Plant height (cm) | | 51.70 | | - |
|  | No. of pods/ plant | | 34 | | 21 |
|  | Incidence of pod borer (%) | | 8.0 | | 59.00 |
| Integrated pests and diseases management of chrysanthemum | Plant height (cm) | | 60.10 | | 48.02 |
| No. of branches/ plant | | 9 | | 6.50 |
| Flower weight (g) | | 4 | | 3 |
| Flower size at the time of harvest (cm) | | 5.7 | | 4.8 |
| Incidence of Thrips (%) | | 15.89 | | 60.55 |
| Popularization of improved silkworm hybrid FC-1 x FC-2 | Weight of silkworm-5th instar (g) | | 5.785 | | 5.091 |
| Cocoon weight (g) | | 2.095 | | 1.853 |
| Shell weight (g) | | 0.478 | | 0.395 |
| Shell ratio | | 22.81 | | 21.31 |
| Biological management of leaf roller in mulberry | No. of leaf/plant (No.) | | 10.05 | | 14.70 |
|  | % incidence of leaf roller | | 152.05 | | 136.2 |
| Integrated management of uzi fly in silkworm rearing | Infested worms (No.) | | 12.83 | | 28.50 |
| Infested cocoon (%) | | 6.17 | | 15.33 |
| Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | Ongoing | | | | |
| Demonstration on quality compost production from seri farm residue using waste decomposer consortia | No. of days for composting | 88 | | 263 | |
| No. of cycles/year | 4.16 | | 1.39 | |
| Insitu trash management in Sugarcane using microbial consortium | On going | | | | |

5. B2. Feedback on technologies demonstrated

|  |  |  |
| --- | --- | --- |
| Name of technology demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Response of black gram to sulphur application in sulphur deficient soils | Ongoing | - |
| Demonstration of new paddy variety MSN-99 | The grain quality is slander and good yield | - |
| Demonstration of new paddy variety RNR-15048 | Grain is medium slander, incidence blast disease was less | - |
| Introduction of new Ragi variety - KMR 301 | The lodging of crop was not observe, thus quality yield was obtained | - |
| STCR based nutrient management in ragi | Application of fertilizer based on soil test has increase the yield and length of the finger | - |
| Integrated pest management in Sweet corn | Incidence of fall army worm and leaf blight was less compare to check | - |
| Integrated crop management in Field bean | The number of branches/ plant and plant height is highest compare to check | - |
| Integrated crop management in cucumber | Incidence of fruit fly as reduced and extent of 4.3% and the size of the fruit is also higher compare to check | - |
| Integrated approach for yellow mosaic management in yard long bean | Incidence of yellow mosaic disease reduced on integrated management approach | - |
| Integrated Crop Management in Chilli | The number of fruit/ plant increased and the incidence of muruda complex was 9 % which was much lesser than the check | - |
| Introduction of bush type Dolichos bean var. Arka Sambhram | The plant was bush type bearing good number of pods/ plant (34) and incidence of pod borer was less | - |
| Integrated pests and diseases management of chrysanthemum | The number of branches and no. of flower/plant increased has compare to check | - |
| Popularization of improved silkworm hybrid FC-1 x FC-2 | The double hybrid silkworm FC-1 x FC-2 recorded higher cocoon weight and shell weight compare to check | - |
| Biological management of leaf roller in mulberry | No of leaf/ plant recorded higher compare to check where has the incidence of leaf roller was lower (10.05%) as compare to check | - |
| Integrated management of uzi fly in silkworm rearing | Installation of uzi trap helped in control of uzi fly which recorded to an extent of 12.8 % reduction in infested silkworms | - |
| Demonstration of Seri Suvarna (UAS,B) method in mulberry cultivation | Ongoing | - |
| Demonstration on quality compost production from seri farm residue using waste decomposer consortia | The use of microbial consortium could decompose the seri farm residue faster (88 days/cycle) as compare to the farmers practice which took 263 days | - |

5.B.3. Livestock and related enterprises : Nil

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 |  |  |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= Gross Return/Gross Cost

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

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

5. B4. Feedback on livestock technologies demonstrated : Nil

|  |  |  |
| --- | --- | --- |
| Name of livestock technology demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
|  |  |  |
|  |  |  |

5.B.5. 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. B6. Feedback on fisheries technologies demonstrated : Nil

|  |  |  |
| --- | --- | --- |
| Name of fisheries technology demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
|  |  |  |

5.B.7. Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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) | Urban Terrace Gardening |  | 05 | 5 units | On going | | | | | | | | | | | |
|  | Demonstration of Banana value added products |  | 01  SHG | 1 units |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Processing and Branding of Tamarind Value added products |  | 01  SHG | 1 units |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Demonstration of nutrifarms for year round nutrition security among farm families |  | 25 | - |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

\* 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

**Demonstration of Banana value added products :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Economics of Demonstration**  **(Rs/q)** | | |  | **Economics of Check (Rs/q)**  **1.3 q** |
| Gross Return | Gross Cost | Net return | BCR | 1560 |
| 4400 | 2050 | 2350 | 2.14 |

**Processing and Branding of Tamarind Value added products :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Economics of Demonstration**  **(Rs/q)** | | |  | **Economics of Check (Rs/q)**  **1.25 q** |
| Gross Return | Gross Cost | Net return | BCR | 4000 |
| 87500 | 31250 | 56250 | 2.80 |

**Nutrigarden : Demonstration of nutrifarms for year round nutrition security among farm families**

**Table :1 Food consumption pattern of the farm family (N=25)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Food consumption pattern** | **Category** | **No.** | **%** |
| 1 | Food habits | Vegetarian and non vegetarian | 25 | 100 |
| 2 | Meals consumed per day | Thrice a day | 25 | 100 |

**Table 2 Anthropometric measurements of the respondents(N=25)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **BMI <18.5** | **BMI 18.5-22.9** | **BMI 23.0-24.9** | **BMI 25.0-29.9** | **BMI >29.9** |
| Under weight (No.) | Normal (No.) | Over weight (No.) | Obese G-I (No.) | Obese G-II (No.) |
| 05 | 14 | 1 | 2 | 3 |

**Table.3 Demographic variables of the farm families (N=25)**

|  |  |  |
| --- | --- | --- |
| **Gender** | **Female** | **25** |
| Age(years) | >18 | 25 |
| <18 | 0 |
| Type of family | Nuclear Family | 22 |
| Joint Family | 3 |
| Family size | Small size(1-4 member) | 20 |
|  | Medium size(5- 6 members) | 5 |
| Occupational status | Home Maker and Agril. | 25 |
| Education | Illiterate | 2 |
| Primary and Middle School | 8 |
| High School | 3 |
| PUC | 12 |
| Graduation | 2 |
| Land Holding (ac.) | Small ( <2.5) | 22 |
| Medium ( >2.5) | 3 |
| Family Expenditure Pattern(Rs.)/Month | Food | 4250 |
| Education | 3017 |
| Health and Medicine | 2564 |
| Vegetables | 3301 |
| others | 4245 |

**Table 4: Average consumption of food and percentage adequacy before and after implementation of nutri garden (N=25)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Food groups(g)/day** | **RDA(g)** | **Average intake (g)**  **(Average)** | | **% Adequacy** | |
| **Before** | **After** | **Before** | **After** |
| 1 | Cereals | 330 | 336.62 | 341.67 | 111.09 | 103.53 |
| 2 | Pulses | 75 | 44.4 | 52.39 | 59.2 | 69.85 |
| 3 | Milk and Milk products | 300 | 86.12 | 212.88 | 28.71 | 70.96 |
| 4 | Roots and tubers | 200 | 46.98 | 184.76 | 23.49 | 92.38 |
| 5 | Green Leafy Vegetables | 100 | 29.24 | 87.29 | 29.24 | 87.29 |
| 6 | Other vegetables | 200 | 25.72 | 209.65 | 47.86 | 104.83 |
| 7 | Fruits | 100 | 16.99 | 74.22 | 16.99 | 74.22 |
| 8 | Sugar | 30 | 20.13 | 29.36 | 67.1 | 97.87 |
| 9 | Fat | 25 | 19.05 | 24.13 | 76.2 | 96.52 |

**Table 5. Impact of intervention of kitchen garden (2 Season)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Particulars** | **Vegetable yield (Kg)** | **Purchased Vegetable (Kg)** | **Expenditure (Rs.)** | **Consumption / person / day (g)** | **%Adequacy** |
| Before nutri garden establishment | - | 82.53 | 3301.2 | 171.94 | 34.39 |
| After implementation of nutri garden | 231.22 | - | 3000 | 481.7 | 96.34 |

**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. B8. Feedback on enterprises demonstrated

|  |  |  |
| --- | --- | --- |
| Name of enterprise demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Demonstration of Banana value added products | Products are tasty, nutri dense and healthy but non availability of small machines for making at local level. | Women try to avoid such task due to social stigma |

|  |  |  |
| --- | --- | --- |
| Name of enterprise demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Processing and Branding of Tamarind Value added products | Products are tasty, nutri dense and healthy but non availability of small machines for making at local level. | Women try to avoid such task due to social stigma |

5.B.9. Farm implements and machinery

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the implement | Cost of the implement in Rs. | Name of the technology demonstrated | No. of Demo | Area covered under demo  in ha | 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. B10. Feedback on farm implements demonstrated

|  |  |  |
| --- | --- | --- |
| Name of farm implement demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
|  |  |  |
|  |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **No. of activities organised** | **Number of participants** | **Remarks** |
| 1 | Field days |  |  |  |
| 2 | Farmers Training | 117 | 4068 |  |
| 3 | Media coverage | 2 | - |  |
| 4 | Training for extension functionaries | 4 | 375 |  |
| 5 | Others (Please specify) | - | - |  |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS**

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Breed | Name of the technology demonstrated | Name of the hybrid | No. of Demo | Area (ha) | Yield (q/ha) | | | | % Increase | \*Economics of demonstration (Rs./ha) | | | \*Economics of check  (Rs./ha) | | |
| Demo | | | Check | Gross  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

Feedback on crop hybrids demonstrated

|  |  |  |
| --- | --- | --- |
| Name of crop hybrid demonstrated | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
|  |  |  |
|  |  |  |

**PART VII. TRAINING**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 1 | 6 | 4 | 10 | 6 | 2 | 8 | 12 | 6 | 18 |
| Resource Conservation Technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cropping Systems | 1 | 32 | 4 | 36 | 6 | 2 | 8 | 38 | 6 | 44 |
| Crop Diversification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro Irrigation/Irrigation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 4 | 45 | 2 | 47 | 14 | 0 | 14 | 59 | 2 | 61 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Horticulture** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **a) Vegetable Crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of low value and high volume crop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exotic vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grading and standardization | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Protective cultivation | 6 | 75 | 21 | 96 | 69 | 11 | 80 | 144 | 32 | 176 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **b) Fruits** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Training and Pruning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Layout and Management of Orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cultivation of Fruit | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of young plants/orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rejuvenation of old orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential fruits | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro irrigation systems of orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant propagation techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of potted plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential of ornamental plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propagation techniques of Ornamental Plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **d) Plantation crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 1 | 8 | 0 | 8 | 7 | 0 | 7 | 15 | 0 | 15 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **e) Tuber crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **f) Spices** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **g) Medicinal and Aromatic Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post harvest technology and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Soil Health and Fertility Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil fertility management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated water management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated nutrient management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and use of organic inputs | 2 | 38 | 5 | 40 | 25 | 2 | 30 | 63 | 7 | 70 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nutrient use efficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Balanced use of fertilizers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil and water testing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Livestock Production and Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairy Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poultry Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Piggery Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rabbit Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Animal Nutrition Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Animal Disease Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed and Fodder technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Home Science/Women empowerment** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Household food security by kitchen gardening and nutrition gardening | 4 | 90 | 2 | 92 | 57 | 2 | 59 | 147 | 4 | 151 |
| Design and development of low/minimum cost diet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Designing and development for high nutrient efficiency diet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minimization of nutrient loss in processing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and cooking | 6 | 85 | 4 | 89 | 71 | 2 | 73 | 156 | 6 | 164 |
| Gender mainstreaming through SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage loss minimization techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Value addition | 1 | 9 | 1 | 10 | 10 | 0 | 10 | 19 | 1 | 20 |
| Women empowerment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Location specific drudgery production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and child care | 1 | 22 | 2 | 24 | 20 | 8 | 28 | 42 | 10 | 52 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Agril. Engineering** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Farm machinery and its maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Installation and maintenance of micro irrigation systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Use of Plastics in farming practices | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repair and maintenance of farm machinery and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small scale processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post Harvest Technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Plant Protection** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Pest Management | 2 | 22 | 0 | 22 | 19 | 0 | 19 | 41 | 0 | 41 |
| Integrated Disease Management | 1 | 6 | 0 | 6 | 10 | 0 | 10 | 16 | 0 | 16 |
| Bio-control of pests and diseases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of bio control agents and bio pesticides | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Fisheries** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated fish farming | 1 | 15 | 1 | 16 | 14 | 0 | 14 | 29 | 1 | 30 |
| Carp breeding and hatchery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carp fry and fingerling rearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Composite fish culture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hatchery management and culture of freshwater prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Breeding and culture of ornamental fishes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portable plastic carp hatchery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pen culture of fish and prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shrimp farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Edible oyster farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pearl culture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fish processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Production of Inputs at site** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed Production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Planting material production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-agents production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-pesticides production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-fertilizer production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermi-compost production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Organic manures production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of fry and fingerlings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Bee-colonies and wax sheets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of livestock feed and fodder | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Fish feed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mushroom production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apiculture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) Sericulture (Mulbery) | 1 | 9 | 0 | 9 | 13 | 1 | 14 | 22 | 10 | 23 |
| **CapacityBuilding and Group Dynamics** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leadership development | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Group dynamics | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Formation and Management of SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Entrepreneurial development of farmers/youths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Agro-forestry** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (Pl. specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |

**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 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Resource Conservation Technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cropping Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crop Diversification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro Irrigation/Irrigation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 5 | 99 | 6 | 105 | 65 | 4 | 69 | 164 | 10 | 174 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 1 | 20 | 0 | 20 | 10 | 0 | 10 | 30 | 0 | 30 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Horticulture** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **a) Vegetable Crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of low value and high volume crop | 2 | 89 | 0 | 89 | 20 | 1 | 21 | 109 | 1 | 110 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 1 | 15 | 1 | 16 | 5 | 0 | 5 | 20 | 1 | 21 |
| Exotic vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grading and standardization | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Protective cultivation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) Mushroom | 1 | 20 | 0 | 20 | 9 | 0 | 9 | 29 | 0 | 29 |
| **b) Fruits** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Training and Pruning | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Layout and Management of Orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cultivation of Fruit | 2 | 42 | 6 | 45 | 30 | 3 | 33 | 72 | 9 | 81 |
| Management of young plants/orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rejuvenation of old orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential fruits | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro irrigation systems of orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant propagation techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery Management | 1 | 22 | 1 | 23 | 20 | 0 | 20 | 42 | 1 | 43 |
| Management of potted plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential of ornamental plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propagation techniques of Ornamental Plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) Loose Flower | 1 | 15 | 1 | 16 | 16 | 1 | 17 | 31 | 2 | 33 |
| **d) Plantation crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 2 | 33 | 2 | 35 | 28 | 2 | 30 | 71 | 4 | 75 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **e) Tuber crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **f) Spices** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **g) Medicinal and Aromatic Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post harvest technology and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Soil Health and Fertility Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil fertility management | 1 | 13 | 1 | 14 | 2 | 1 | 3 | 15 | 2 | 17 |
| Integrated water management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated nutrient management | 5 | 124 | 22 | 146 | 88 | 27 | 115 | 212 | 49 | 261 |
| Production and use of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nutrient use efficiency | 1 | 26 | 2 | 24 | 3 | 1 | 4 | 29 | 3 | 32 |
| Balanced use of fertilizers | 1 | 22 | 2 | 24 | 3 | 2 | 5 | 25 | 4 | 29 |
| Soil and water testing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Livestock Production and Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairy Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Poultry Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Piggery Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rabbit Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Animal Nutrition Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Animal Disease Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed and Fodder technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Home Science/Women empowerment** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Household food security by kitchen gardening and nutrition gardening | 2 | 3 | 50 | 53 | 3 | 27 | 30 | 6 | 77 | 83 |
| Design and development of low/minimum cost diet | 1 | 5 | 25 | 30 | 4 | 16 | 20 | 9 | 41 | 50 |
| Designing and development for high nutrient efficiency diet | 1 | 5 | 10 | 15 | 0 | 20 | 20 | 5 | 30 | 35 |
| Minimization of nutrient loss in processing | 1 | 40 | 3 | 43 | 10 | 0 | 10 | 50 | 3 | 53 |
| Processing and cooking | 4 | 15 | 55 | 70 | 15 | 38 | 53 | 30 | 93 | 123 |
| Gender mainstreaming through SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage loss minimization techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Value addition | 4 | 13 | 19 | 32 | 14 | 22 | 36 | 27 | 41 | 68 |
| Women empowerment(Mushrrom Production) | 1 | 10 | 30 | 40 | 8 | 10 | 18 | 18 | 40 | 58 |
| Location specific drudgery production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and child care | 3 | 41 | 5 | 46 | 20 | 3 | 23 | 61 | 8 | 69 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Agril. Engineering** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Farm machinery and its maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Installation and maintenance of micro irrigation systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Use of Plastics in farming practices | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repair and maintenance of farm machinery and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small scale processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post Harvest Technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Plant Protection** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Pest Management | 4 | 131 | 19 | 150 | 40 | 6 | 46 | 171 | 25 | 196 |
| Integrated Disease Management | 2 | 31 | 2 | 33 | 22 | 0 | 22 | 53 | 2 | 55 |
| Bio-control of pests and diseases | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of bio control agents and bio pesticides | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Fisheries** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated fish farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carp breeding and hatchery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carp fry and fingerling rearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Composite fish culture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Hatchery management and culture of freshwater prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Breeding and culture of ornamental fishes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portable plastic carp hatchery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pen culture of fish and prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shrimp farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Edible oyster farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pearl culture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fish processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Production of Inputs at site** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed Production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Planting material production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-agents production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-pesticides production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-fertilizer production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermi-compost production | 1 | 15 | 1 | 16 | 1 | 0 | 1 | 16 | 1 | 17 |
| Organic manures production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of fry and fingerlings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Bee-colonies and wax sheets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of livestock feed and fodder | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Fish feed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mushroom production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apiculture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| CapacityBuilding and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| Leadership development | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Group dynamics | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Formation and Management of SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Entrepreneurial development of farmers/youths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Agro-forestry |  |  |  |  |  |  |  |  |  |  |
| Production technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming Systems | 1 | 35 | 0 | 35 | 5 | 11 | 16 | 40 | 11 | 51 |
| Others (Pl. specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Sericulture | 4 | 104 | 17 | 121 | 20 | 3 | 23 | 124 | 20 | 144 |
| **TOTAL** | **53** | **988** | **280** | **1261** | **461** | **198** | **659** | **1459** | **478** | **1937** |

**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 | 12 | | 3 | | 15 | 0 | 0 | 0 | 12 | 3 | 15 |
| Training and pruning of orchards |  |  | |  | |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  | |  | |  |  |  |  |  |  |  |
| Commercial fruit production |  |  | |  | |  |  |  |  |  |  |  |
| Integrated farming |  |  | |  | |  |  |  |  |  |  |  |
| Seed production |  |  | |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  | |  | |  |  |  |  |  |  |  |
| Planting material production |  |  | |  | |  |  |  |  |  |  |  |
| Vermi-culture |  |  | |  | |  |  |  |  |  |  |  |
| Mushroom Production |  |  | |  | |  |  |  |  |  |  |  |
| Bee-keeping | 1 | 13 | | 2 | | 15 | 0 | 0 | 0 | 13 | 2 | 15 |
| Sericulture | 1 | 12 | | 3 | | 15 | 0 | 0 | 0 | 12 | 3 | 15 |
| Repair and maintenance of farm machinery and implements |  |  | |  | |  |  |  |  |  |  |  |
| Value addition |  |  | |  | |  |  |  |  |  |  |  |
| Small scale processing |  |  | |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  | |  | |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  | |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  | |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  | |  | |  |  |  |  |  |  |  |
| Dairying |  |  | |  | |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  | |  | |  |  |  |  |  |  |  |
| Quail farming |  |  | |  | |  |  |  |  |  |  |  |
| Piggery |  |  | |  | |  |  |  |  |  |  |  |
| Rabbit farming |  |  | |  | |  |  |  |  |  |  |  |
| Poultry production |  |  | |  | |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  | |  | |  |  |  |  |  |  |  |
| Composite fish culture |  |  | |  | |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  | |  | |  |  |  |  |  |  |  |
| Shrimp farming |  |  | |  | |  |  |  |  |  |  |  |
| Pearl culture |  |  | |  | |  |  |  |  |  |  |  |
| Cold water fisheries |  |  | |  | |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  | |  | |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  | |  | |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  | |  | |  |  |  |  |  |  |  |
| **TOTAL** | **3** | **37** | | **8** | | **45** | **0** | **0** | **0** | **37** | **8** | **45** |

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

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | | | |
| **General** | | | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | | **Total** | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Productivity enhancement in field crops |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 | 188 | | 9 | | 197 | 50 | 5 | 55 | 238 | 14 | 252 |
| 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 | 1 | 0 | | 30 | | 30 | 0 | 3 | 3 | 0 | 33 | 33 |
| 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) |  |  | |  | |  |  |  |  |  |  |  |
| IFS stakeholders | 1 | 40 | | 0 | | 40 | 20 | 0 | 20 | 40 | 20 | 60 |
| Kitchen garden | 1 | 0 | | 30 | | 30 | 0 | 0 | 0 | 0 | 30 | 30 |
| **Total** | **4** | **228** | | **69** | | **297** | **70** | **8** | **78** | **278** | **97** | **375** |

**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 : Nil

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial production of vegetables |  |  |  |  |  |  |  |  |  |  |
| **2** | **Production and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Fruit Plants |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Ornamental plants |  |  |  |  |  |  |  |  |  |  |
| 2.c. | Spices crops |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Soil health and fertility management** |  |  |  |  |  |  |  |  |  |  |
| **4** | **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **5** | **Methods of protective cultivation** |  |  |  |  |  |  |  |  |  |  |
| **6** | **Others (pl.specify)** |  |  |  |  |  |  |  |  |  |  |
| **7** | **Post harvest technology and value addition** |  |  |  |  |  |  |  |  |  |  |
| 7.a. | Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| 7.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **8** | **Farm machinery** |  |  |  |  |  |  |  |  |  |  |
| 8.a. | Farm machinery, tools and implements |  |  |  |  |  |  |  |  |  |  |
| 8.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **9.** | **Livestock and fisheries** |  |  |  |  |  |  |  |  |  |  |
| **10** | **Livestock production and management** |  |  |  |  |  |  |  |  |  |  |
| 10.a. | Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| 10.b. | Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| 10.c | Fisheries Nutrition |  |  |  |  |  |  |  |  |  |  |
| 10.d | Fisheries Management |  |  |  |  |  |  |  |  |  |  |
| 10.e. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **11.** | **Home Science** |  |  |  |  |  |  |  |  |  |  |
| 11.a. | Household nutritional security |  |  |  |  |  |  |  |  |  |  |
| 11.b. | Economic empowerment of women |  |  |  |  |  |  |  |  |  |  |
| 11.c. | Drudgery reduction of women |  |  |  |  |  |  |  |  |  |  |
| 11.d. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **12** | **Agricultural Extension** |  |  |  |  |  |  |  |  |  |  |
| 12.a. | CapacityBuilding and Group Dynamics |  |  |  |  |  |  |  |  |  |  |
| 12.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  | **Total** |  |  |  |  |  |  |  |  |  |  |

**Details of sponsoring agencies involved**

**1.**

**2.**

**3.**

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

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of Job Role** | **Date**  **of Start** | **Date of Close** | **Total**  **Participants** | **No. of Participants** | | | | | | | | | **Date**  **of**  **Assessment** | **No of Participants passed**  **assessment** |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**PART VIII – EXTENSION ACTIVITIES**

**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** |
| Advisory services | 2620 | 2064 | 108 | 2172 | 304 | 117 | 421 | 22 | 5 | 27 |
| Farmers visit to KVKs | 2034 | 1227 | 156 | 1787 | 148 | 81 | 229 | 11 | 7 | 18 |
| Lectures delivered as resource persons | 88 | 1460 | 301 | 1761 | 156 | 70 | 226 | 28 | 12 | 40 |
| Diagnostic Visits | 35 | 207 | 77 | 284 | 32 | 8 | 40 | 15 | 8 | 23 |
| Field Days | 16 | 689 | 115 | 804 | 66 | 37 | 103 | 14 | 8 | 22 |
| Group discussions/ meetings | 42 | 576 | 128 | 726 | 88 | 31 | 119 | 15 | 7 | 22 |
| Kisan Gosthies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Film Shows | 32 | 881 | 281 | 1162 | 127 | 78 | 205 | 8 | 5 | 13 |
| Self help group meetings | 12 | 0 | 232 | 232 | 0 | 77 | 77 | 2 | 3 | 5 |
| Mahila mandals meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kisan Melas | 3 | 721 | 118 | 839 | 123 | 65 | 188 | 12 | 7 | 19 |
| Exhibitions | 7 | 515 | 138 | 653 | 207 | 52 | 259 | 18 | 12 | 30 |
| Scientist visit to farmers fields | 188 | 676 | 165 | 841 | 76 | 37 | 113 | 12 | 8 | 20 |
| Soil health camps | 1 | 60 | 5 | 65 | 0 | 0 | 0 | 3 | 5 | 8 |
| Animal health camps | 1 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Plant health camps | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Farm Science Club meetings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Ex-trainees Sammelans | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Farmers seminars | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Workshops | 7 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Method Demonstrations | 32 | 278 | 307 | 585 | 44 | 166 | 210 | 12 | 6 | 18 |
| Celebration of important days | 12 | 514 | 215 | 729 | 133 | 88 | 221 | 8 | 4 | 12 |
| Special day celebrations | 5 | 218 | 84 | 302 | 66 | 21 | 87 | 5 | 3 | 8 |
| Exposure visits | 5 | 41 | 105 | 0 | 0 | 0 | 0 | 0 | 5 | 7 |
| Others, Please specify | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **5140** | **10127** | **2535** | **12942** | **1570** | **928** | **2498** | **185** | **105** | **292** |

**8.2 Other extension activities like print and electronic media etc.**

|  |  |  |
| --- | --- | --- |
| Sl. No. | **Type of media/activity** | **Number of activities/Number** |
| 1 | Popular articles | 4 |
| 2 | Newspaper coverage | 23 |
| 3 | Extension Literature | 8 |
| 4 | Radio Talks | 1 |
| 5 | TV Talks | 2 |
| 6 | CD/DVD/Video clips | 2 |
| 7 | Animal health camps (no. of animal treated) | 1 (72) |
| 8 | Others, please specify | - |
|  | **Total** | **33** |

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Crop category | **Name of the crop** | **Name of the**  **Variety** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers to whom provided** |
| Cereals (crop wise) | Paddy | Jaya | 90 q | 200000 | - |
| Oilseeds |  |  |  |  |  |
| Pulses |  |  |  |  |  |
| Commercial crops | Mulberry cocoons | FC1xFC2 | 300 kg | 120000 | - |
| Vegetables | Coconut | Tipatur tall | 5000 no | 105000 | 30 |
|  | Coconut seedlings | Tipatur tall | 3000 no | 300000 | 50 |
|  | Sugarcane | VCF-0517 | 60 t | 125000 | 1 |
| Flower crops |  |  |  |  |  |
| Spices |  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |  |
| Fiber crops |  |  |  |  |  |
| Forest Species |  |  |  |  |  |
| Others (specify) |  |  |  |  |  |
| **Total** | **-** | **-** |  | **850000** | **81** |

**9.B. Production of hybrid seeds by the KVKs : Nil**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Crop category | **Name of crop** | **Name of the**  **hybrid** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers to whom provided** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Total** |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Crop category** | **Name of the crop** | **Variety** | **Number** | **Value (Rs.)** | **Number of farmers to whom provided** |
| Commercial | Mulberry saplings | V-1 | 3000 | 15000 | 8 |
| Vegetable seedlings | Drumstick | PKM-1 | 2000 | 30000 | 125 |
| Fruits |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |
| Plantation |  |  |  |  |  |
| Spices |  |  |  |  |  |
| Tuber |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |
| Forest Species |  |  |  |  |  |
| Others(specify) |  |  |  |  |  |
| **Total** | **-** | **-** | **5000** | **45000** | **133** |

**9.D. Production of hybrid planting materials by the KVKs Nil**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Crop category | **Name of crop** | **Name of the**  **hybrid** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers to whom provided** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| **Total** |  |  |  |  |  |

**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 |  |  |  |  |
|  | Banana Special | 6.36 | 127200 | 118 |
|  | Pseudomonas | 3.03 | 30300 | 57 |
|  | Trichoderma | 4.89 | 48900 | 135 |
|  | Vegetable Special | 1.62 | 32400 | 141 |
|  | Ragi malt | 2.11 | 42200 | 188 |
|  | Neem soap | 0.31 | 8680 | 12 |
| Others (specify) |  | 0 | 0 | 0 |
| **Total** | **-** | **18.32** | **289680** | **651** |

# 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 |  |  |  |  |
| Sheep | Beethal | 3 | 35850 | 2 |
| 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** |  | **3** | **35850** | **2** |

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

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

(i) KVK Newsletter:

Date of start:\_\_\_\_\_\_\_\_\_\_\_ Periodicity:\_\_\_\_\_\_\_\_Copies printed in each issue:\_\_\_\_\_\_\_\_\_\_\_\_

(ii) Summary of Literature developed/published

|  |  |
| --- | --- |
| **Item** | **Number** |
| Research papers- International |  |
| Research papers- National | 2 |
| Technical reports | 1 |
| Technical bulletins | 1 |
| Popular articles - English | 0 |
| Popular articles – Local language | 4 |
| Extension literature | 8 |
| Others if any |  |
| KVK times newsletter | 1 |

(iii) Details of Literature developed/published

1. **«¸ÀÛgÀuÁ ¥ÀæPÀluÉUÀ¼ÀÄ**

|  |  |
| --- | --- |
| **PÀæ.¸ÀA.** | **«ªÀgÀ** |
|  | **ºÀ¸ÀÛ ¥ÀwæPÉUÀ¼ÀÄ :** |
| 1 | Atheefa munawery, Pavithra. S., Naresh N.T., Mahesh, H.M., and Roopashree, D.H., 2022, Sugarcane thrash management. Published by ICAR - Krishi Vigyan Kendra, Mandya. |
| 2 | Atheefa munawery, Naresh N.T., Pavithra. S., Rekha B and Divya B., 2022 Mannu parikshe mahatva mattu mannu madari tegeyuva vidhana. Published by ICAR - Krishi Vigyan Kendra, Mandya. |
| 3 | PÀªÀÄ¯Á¨Á¬Ä PÀÆqÀV, ªÀÄºÉÃ±À. ºÉZï.JA., £ÀgÉÃ±ï J£ï.n., ¥À«vÀæ. J¸ï., ¥ÀæPÀÈwAiÀÄ°è zÉÆgÉAiÀÄÄªÀ DºÁgÀªÉ OµÀzsÀªÁUÀ° |
| 4 | ¢ªÀå, ©, ¸ÀÄgÉÃ±ï, r.PÉ, ¥À«vÀæ, J¸ï, CwÃ¥sÁ ªÀÄÄ£ÁªÀj, £ÀgÉÃ±ï, J£ï.n ªÀÄvÀÄÛ PÀªÀÄ¯Á¨Á¬Ä PÀÆqÀV, §AdgÀÄ ¨sÀÆ«ÄAiÀÄ §AUÁgÀÄ ¨É¼É UÉÃgÀÄ«£À ¸ÀªÀÄUÀæ ¨É¼É ¤ªÀðºÀuÉ |
|  | **§ÄPï¯Émï :** |
| 1 | dqÉÃ±À, f., gÀ«ÃAzÀæ, ºÉZï. Dgï., QvÀÆÛgï ªÀÄoï., ¸ÀÄVÃvÀ, f ªÀÄvÀÄÛ ¥À«vÀæ, J¸ï., 2022¸À¸Àå ¸ÀAgÀPÀëuÁ gÁ¸ÁAiÀÄ¤PÀ OµÀ¢üUÀ¼ÀÄ (²°ÃAzÀæ ªÀÄvÀÄÛ QÃl£Á±ÀPÀUÀ¼À QgÀÄ¥ÀjZÀAiÀÄ) |
|  | **¸ÀA±ÉÆÃzsÀ£Á ¯ÉÃR£ÀUÀ¼ÀÄ :** |
| 1 | S.N. Arpitha,N. T. Naresh, Atheefa Munawery, S.Shambhavi and H P Rajath, 2022, Utility and impact of agromet advisory services among farmers in Mandya district, Karntaka, *Int.J. of environment and climate change,* 12 (9) 168-172, 2581-8627 |
| 2 | Jayashree, S, Kamalabai Koodagi and Basavarajappa Bhogi, 2022, Awareness of consumers about nutitional labelling, *Int.J. of farm sciences 12 (1) : 16-19* |
| 3 | News letter-KVK Times 16-31, October, 2022 |
|  | **vÀgÀ¨ÉÃw PÉÊ¦r :** |
| 1 | Atheefa Munawery, Divya, B., Pavithra, S., Kamalabai Koodagi, Suresh, D.K., Rekha Badalingappnavar and Naresh, N. T., 2022 Jenu Krushi Tantrikathegalu, Vigyan Kendra V. C. Farm, Mandya. pp. 1-40 |
|  | **d£À¦æAiÀÄ ¯ÉÃR£ÀUÀ¼ÀÄ :** |
| 1 | ¥À«vÀæ, J¸ï, ªÀÄvÀÄÛ ªÀÄºÉÃ±ï, ºÉZï.JA., : vÉAUÀÄ PÉÆgÉUÀÄªÀ PÉA¥ÀÄ ¸ÉÆAr® zÀÄA©, ªÀÄAqÀå ªÀiÁvÀÄ, d£ÀªÀj, 2023 |
| 2 | PÀªÀÄ¯Á¨Á¬Ä PÀÆqÀV ªÀÄvÀÄÛ ªÀÄºÉÃ±ï. ºÉZï. JA., ¤¸ÀUÀðzÀ ªÉÊzÀåQÃAiÀÄ PÉÆqÀÄUÉ: Ct¨É, ¥ÀæeÁ ªÁvÉð d£ÀªÀj 2023 |
| 3 | gÉÃSÁ, ©. ªÀÄvÀÄÛ ªÀÄºÉÃ±ï, ºÉZï. JA., ¸ÀªÀÄUÀæ PÀÈ¶ - ¸ÀtÚ gÉÊvÀjUÀÆ ªÀgÀzÁ£À., ªÀÄAqÀå ªÀiÁvÀÄ, ¥ÀæeÁ ªÁvÉð d£ÀªÀj 2023 |
| 4 | gÀ¶ä, L., PÀ¯Á, J¸ï., C¤vÁ, PÉ., C±ÉÆÃPï PÀÄªÀiÁgï., PÀÄ°ÝÃ¥ï PÀÄªÀiÁgï., gÀªÀiÁ ¥Á¯ï, PÁwðPÀ, PÉ. J¸ï ªÀÄvÀÄÛ CwÃ¥sÀ ªÀÄÄ£ÀªÀéj., 2022, £ÉÊ¸ÀVðPÀ ¸ÀA¥À£ÀÆä® ¤ªÀðºÀuÉUÁV f¥ÀìA MAzÀÄ §ºÀÄG¥ÀAiÉÆÃV ¸ÀÄzsÁgÀPÀ, ºÀjvï zsÁgÀ 5(1): 11-14 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | **Type of media** | **Title** | **Details** |
| 1 | CD / DVD |  |  |
| 2 | Mobile Apps |  |  |
| 3 | Social media groups with KVK as Admin | KVK Mandya, DAMU Mandya | 57 Whatsapp group created around 14980 farmers  Sharing of information relating to Agriculture, weather forecasting and allied aspects |
| 4 | Facebook account name | KVK Mandya | 667 friends including KVKs, Officials of ATARI, Official of University and Agriculture Departments and farmers  Posting of important events photos, information and also sharing important information related to Agriculture |
| 5 | Instagram account name |  |  |
| 6 | Tweeter | KVK Mandya | @Mandyakvk |
| 7 | Website | icarkvkmandya.co.in | KVK, Mandya website |
| 8 | Others if any |  |  |

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

This will be considered only with suitable photos for further reporting/reference.

Success Story of Millet Entrepreneur

Smt. Sakamma w/o Doddalingaiah is a farm woman from Holalu village of Mandya district, Karnataka state. She moved to Holalu village after marrying sri Doddalingaiah and her family owned 15 acres of farm land but eventually the family members separated and her husband became an owner of 3 acre land. They were engaged in cultivating crops like paddy, Sugarcane and Millets. The income from farming was not sufficient to meet the needs of the family. She had a loan to complete her children’s education. It was difficult to repay the loan and She was interested to work outside but her family members did not allow and rather they suggested to work at home. In the year 2018-19 she came in contact with KVK Mandya and attended the training programme entitled “Processing and value addition to agriculture produce” for 6 days. During the programme she had been exposed to hands on training, packing, labelling, licensing, cost analysis and marketing.

During the year 2019-20 she started making papads from various millets and pulses and sold in melas and sandies. Value added products of millet had a demand in the local market and business started well and her husband grew. So she decided to prepare value added products from millets in a large scale by using organically produced millets. Smt. Sakamma started the business informally but it was only her products were appreciated and received a better value in the local market. Her work was recognised by the agriculture and allied department officials who approached her to promote organic millet products. She says adding “Learning and Earning from value added products helped her to improve my family financial conditions”. Smt. Sakamma then felt the need to scale up and promote the goodness of organic food to larger consumers.

During 2020-21 she started her business under the brand Chittalamma after getting FSSAI licence from Department of Health and Family Welfare and offered a range of products like papads, malt, Khara sev from foxtail millet and finger millet. Laddu, chakkuli, kodubale and nippattu from little millet and foxtail millet.

Today Smt. Sakamma earns a month business of Rs 45,000/- and is content with her achievement “I have employed four women working partners as per their convenience and I aim to promote organic foods. Many products available in the market are adulterated and “I want to encourage people to choose healthier food” She says” . She is the first women entrepreneur from her village to become a pioneer in millet value added products and supporting other farm woman to earn their livelihood. Thus she is the inspiration to home makers in Mandya district.

**Photos**

|  |  |
| --- | --- |
| **G:\Holalu\20190504_144242.jpg** |  |
| **Preparation of varied millet products** | **Millet products prepared for sale at melas** |

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

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 | Banana | Incorporation of neem, Pongamia, Cactus, ekka etc. before planting | To reduce rhizome weevil and fusarium wilt of Banana | Low yield and low quality fruit |
| 2 | Sugarcane | Growing of Vegetables as in intercropping in Sugarcane | For vegetable purpose | Soil health management and additional income through vegetables |
| 3 | Paddy | Use of Ekka (*Aak)* plant in paddy field | Green manure & pest and disease management | Soil health management and reduce pest & disease management |
| 4 | Vegetables and nursery | Use of old two wheeler | For spraying of insecticide and fungicide | Cost saving and power saving |
| 5 | Silkworm rearing | Country hen allowed in room after laying the plastic mountage | The pupae of ugi pest picked by country hen | Reduces the cocoon damage |

10 F. Technology Week celebration: Nil

Period of observing Technology Week: From to

Total number of farmers visited :

Total number of agencies involved :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

| **Types of Activities** | **No. of**  **Activities** | **Number of**  **Farmers** | **Related crop/livestock technology** |
| --- | --- | --- | --- |
| Gosthies |  |  |  |
| Lectures organized |  |  |  |
| Exhibition |  |  |  |
| Film show |  |  |  |
| Fair |  |  |  |
| Farm Visit |  |  |  |
| Diagnostic Practicals |  |  |  |
| Supply of Literature (No.) |  |  |  |
| Supply of Seed (q) |  |  |  |
| Supply of Planting materials (No.) |  |  |  |
| Bio Product supply (Kg) |  |  |  |
| Bio Fertilizers (q) |  |  |  |
| Supply of fingerlings |  |  |  |
| Supply of Livestock specimen (No.) |  |  |  |
| Total number of farmers visited the technology week |  |  |  |

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

**PART XI – SOIL AND WATER TEST**

**11.1 Soil and Water Testing Laboratory**

A. Status of establishment of Lab : Good but lacks facility for analysis of plant samples

1. Year of establishment : 15th December 2005

2. List of equipments purchased with amount : Listed below

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost | Status |
| 1 | Digital conductivity meter | 1 No. | 7400 | Good condition |
| 2 | Digital pH meter | 1 No. | 8550 | Good condition |
| 3 | Physical balance | 1 No. | 12000 | Good condition |
| 4 | Hot air oven | 1 No. | 20000 | Good condition |
| 5 | Magnetic stirrer | 1 No. | 5500 | Good condition |
| 6 | Top loading balance | 1 No. | 48900 | Good condition |
| 7 | Rotory shaker | 1 No. | 27600 | Good condition |
| 8 | Double glass distilation unit | 1 No. | 48850 | Good condition |
| 9 | Macro block digestion system | 1 No. | 52118 | Good condition |
| 10 | Automatic distilation system | 1 No. | 85232 | Good condition |
| 11 | Acid neutrilizer scrubber | 1 No. | 23909 | Good condition |
| 12 | Spectrophotometer | 1 No. | 42000 | Good condition |
| 13 | Flame photometer | 1 No. | 35200 | Good condition |
| 14 | Micro oven | 1 No. | 14980 | Good condition |
| 15 | Micro scope | 1 No. | 66555 | Good condition |
| 16 | Refrigerator | 1 No. | 30750 | Good condition |
| 17 | Digital micro pipettes-one set | One set | 21180 | Good condition |
| 18 | pH meter | 1 No. | 6600 | Good condition |
| 19 | Laminar Air flow | 1 No. | 44900 | Good condition |
| 20 | Auto clave | 1 No. | 28687 | Good condition |
| 21 | Eliza reader | 1 No. | 147155 | Good condition |
| 22 | Mridiparikshak soil testing kit | 1 No. | 86000 | Good condition |
| 23 | Atomic absorption spectrophotometer | 1 No. | 2184732 | Good condition |
| 24 | Double distillation unit | 1 No. | 98,000=00 | Good Condition |
| 25 | End to end reciprocatory shaker | 1 No. | 70,00,000=00 | Good Condition |
| 26 | UV vis spectrophotometer | 1 No. | 97000=00 | Good condition |

B. Details of samples analyzed since establishment of SWTL:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 5975 | 4912 | 2077 | 521570 |
| Water Samples | 2128 | 1905 | 1558 | 332070 |
| Plant samples | 91 | 52 | 15 | 0 |
| Manure samples | 75 | 33 | 21 | 0 |
| Others (specify) | 0 | 0 | 0 | 0 |
| Total | 8269 | 6902 | 3671 | 853640 |

C. Details of samples analyzed:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 368 | 358 | 310 | 73600 |
| Water Samples | 318 | 301 | 278 | 63600 |
| Plant samples | 0 | 0 | 0 | 0 |
| Manure samples | 0 | 0 | 0 | 0 |
| Others (specify) | 0 | 0 | 0 | 0 |
| Total | 686 | 659 | 588 | 137200 |

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

|  |  |  |
| --- | --- | --- |
| Mobile Kits | Date of purchase | Current status |
| 1. | - | - |
| 2. | - | - |

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

|  |  |  |  |
| --- | --- | --- | --- |
|  | During 2021 | During 2022 | Cumulative progress (Total) |
| Samples analyzed (No.) | - | - | - |
| Farmers benefited (No.) | - | - | - |
| Villages covered (No.) | - | - | - |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Particulars | Date (s) | Villages (No.) | Farmers (No.) | Samples analyzed (No.) | Soil health cards issued (No.) |
| SWTL |  | 310 | 358 | 368 | 368 |
| 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 | 65 | 65 | - | - | 3 | - |

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

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)**

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

**PART XIII - LINKAGES**

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

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| Department of Agriculture, Mandya | Implemented a project entitled “Evaluation of pre and post emergence herbicides sequence for direct seeded rice (DSR) in Cauvery command area” funded by Department of Agriculture, Mandya |
| Joint Diagnostic visit for management of Fall army worm in Maize in Mandya District |
| Department of Horticulture | Technical support to FPOs through KVK under CHD programme (Demonstrations, Training programmes, Field visits |
| Department of Animal Husbandry & Veterinary Sciences | NADC, FMD & Brucellosis and artificial Insemination inauguration programme and vaccination to milking animals |
| **Name of organization** | **Nature of linkage** |

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. 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** | **Other remarks (if any)** |
| **01** | **Meetings** |  |  |  |  |
| **02** | **Research projects** |  |  |  |  |
| **03** | **Training programmes** | Integrated crop management in agriculture and horticulture crops | 62 | 1 |  |
| **04** | **Demonstrations** |  |
| **05** | **Extension Programmes** |  |  |  |  |
|  | Kisan Mela |  |  |  |  |
|  | Technology Week |  |  |  |  |
|  | Exposure visit |  |  |  |  |
|  | Exhibition |  |  |  |  |
|  | Soil health camps |  |  |  |  |
|  | Animal Health Campaigns |  |  |  |  |
|  | Others (Pl. specify) |  |  |  |  |
| **06** | **Publications** |  |  |  |  |
|  | Video Films |  |  |  |  |
|  | Books |  |  |  |  |
|  | Extension Literature |  |  |  |  |
|  | Pamphlets | Pest and disease of paddy | 1 |  |  |
|  | Others (Pl. specify) |  |  |  |  |
| **07** | **Other Activities** (Pl.specify) |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**13C. List of special programmes undertaken by the KVK which have been financed by State Government/National Horticultural Mission/ RKVY/ National Fisheries Development Board/Other Agencies**

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

**13D. Kisan Mobile Advisory Services : Nil**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No of Advisories** | **No. of Text messages sent** | **No. of voice messages sent** | **SMS/voice calls sent (No.)** | | | | | | **Total SMS/Voice calls sent (No.)** | **Farmers benefitted (No.)** |
| **Crop** | **Livestock** | **Weather** | **Marketing** | **Awareness** | **Other enterprises** |
| January |  |  |  |  |  |  |  |  |  |  |  |
| February |  |  |  |  |  |  |  |  |  |  |  |
| March |  |  |  |  |  |  |  |  |  |  |  |
| April |  |  |  |  |  |  |  |  |  |  |  |
| May |  |  |  |  |  |  |  |  |  |  |  |
| June |  |  |  |  |  |  |  |  |  |  |  |
| July |  |  |  |  |  |  |  |  |  |  |  |
| August |  |  |  |  |  |  |  |  |  |  |  |
| September |  |  |  |  |  |  |  |  |  |  |  |
| October |  |  |  |  |  |  |  |  |  |  |  |
| November |  |  |  |  |  |  |  |  |  |  |  |
| December |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |  |

**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. | Low cost Silkworm rearing house | 2013 | 800 Sqm | Double hyb. FC1 x FC 2 | Cocoons | 300 Kg | 32000 | 120000 | - |
| 2. | Crop cafeteria | 2019 | 0.04 | - | Vegetables | 783 Kg | 3500 | 11745 | - |
| 3. | Coconut saplings | 2018 | - | Tiptur tall | Seedlings | 3000 No. | 75000 | 300000 | - |
| 4. | Coconuts | - | - | Tiptur tall | Coconuts | 5000 | 10000 | 105000 | - |

**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 | January 2022 | 2022 | - | Jaya | Seed | 90 q |  | 200000 | - |
| Pulses | - | - | - | - | - | - | - | - | - |
| Oilseeds | - | - | - | - | - | - | - | - | - |
| Fibers | - | - | - | - | - | - | - | - | - |
|  |  |  |  |  |  |  |  |  |  |
| **Spices & Plantation crops** | | | | | | | | | |
| Coconut Seedlings | 2021 | 2022 | - | Tiptur tall | Seedlings | 3000 | - | 30000 |  |
| Betal vine | - | - | - | Mysore local | Seedlings | 100 | 1000 | 3000 |  |
| **Floriculture** |  |  |  |  |  |  |  |  | - |
| Jasmine | - | - | - | Mysore mallige | Seedlings | 500 | 1000 | 8000 |  |
| **Fruits** |  |  |  |  |  |  |  |  |  |
| Guava | - | - | - | Alahabad safed | Seedlings | 400 | 2000 | 24000 | - |
| Lemon | - | - | - | Balaji | Seedlings | 200 | 2000 | 12000 |  |
| Sapota | - | - | - | Criket ball | Seedlings | 200 | 1500 | 12000 |  |
| Mango | - | - | - | Alphenso | Seedlings | 400 | 1500 | 24000 |  |
| Hanuman pala | - | - | - | Private hybrid | Seedlings | 150 | 1000 | 9000 |  |
| Jamoon | - | - | - | AJS-85 | Seedlings | 100 | 2000 | 6000 |  |
| **Vegetables** |  |  |  |  |  |  |  |  |  |
| Drumstick | 2022 | 2022 | - | PKM-1 | Seedlings | 2000 | - | 30000 | - |
| Curry leaf | 2021 | 2022 | - | Suhasini | Seedlings | 164 | - | 4920 | - |
| **Others (specify)** | | | | | | | | | |
| Mulberry | 2021 | 2022 | - | V-1 | Saplings | 3000 | - | 15000 | - |
| Agase | 2022 | 2022 | - | Local | Seedlings | 656 | 2000 | 6560 | - |

**14C. Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)**

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

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
| Breed | Type of Produce | Qty. | Cost of inputs | Gross income |
| 1 | Poultry | BV-380 | Egg | 7676 | 46056 | - | - |
| 2 | Sheep | Bandoor | - | - | - | - | Rearing stage |
| 3 | Goat | Bethal and Shirohi | - | 3 | 8560 | - | Rearing stage |

**14E. Utilization of hostel facilities**

Accommodation available (No. of beds-40)

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| January | 28 | 4 | - |
| February | 27 | 4 | - |
| March | 0 | 0 | - |
| April | 21 | 4 | - |
| May | 0 | 0 | - |
| June | 0 | 0 | - |
| July | 0 | 0 | - |
| August | 3 | 4 | - |
| September | 0 | 0 | - |
| October | 0 | 0 | - |
| November | 0 | 0 | - |
| December | 8 | 4 | - |

**14F. Database management**

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

**14G. Details on Rain Water Harvesting Structure and micro-irrigation system**

1. **Rain Water Harvesting Structure**

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

1. **Micro-irrigation systems**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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) : Nil**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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. |  |  |  |  |  |  |  |  |  |  |  |
|  | 2. |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 1. |  |  |  |  |  |  |  |  |  |  |  |
|  | 2. |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

**15.2 District Agriculture Meteorological Unit (DAMU)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | 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 | 105 | 14980 | 14980 | 24 | 879 |

**15.3 Fertilizer awareness programmeorganised**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State** | **Name of KVK** | **Details of Activities/programmeOrganised** | **Number of Chief Guests** | **No. of Farmers attended program** | **Total participants** |
| Karnataka | Mandya | Training on ‘importance of fertilizer use based on soil test and fertilizer use efficiency | 1 | 60 | 69 |

**15.4 Seed Hub**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Variety** | **Seed Production (qtls)** | **Seed Sold**  **(qtls)** | **Surplus/Unlifted quantity (qtls)** | **Quantity available for sale** | **Remarks** |
| Green gram | KKM-3 | 4.65 | 4.65 | 0.00 | - |  |
| Blackgram | LBG-791 | 92.35 | 59.17 | 33.18 | 33.18 |  |
| Cowpea | KBC-9 | 9.65 | 7.65 | 2.00 | 2.00 |  |
| Redgram | BRG-5 | 2.65 | 1.35 | 1.30 | 1.30 |  |
| BRG-3 | 17.30 | 17.30 | 0.00 | - |  |
| BRG-1 | 5.20 | 5.20 | 0.00 | - |  |
| Fieldbean | HA-3 | 10.73 | 10.73 | 0.00 | - |  |
|  | HA-4 | 1.69 | 1.69 | 0.00 | - |  |
| Horsegram | PHG-9 | 3.30 | 3.30 | 0.00 | - |  |
| **Total** |  | **147.52** | **111.04** | **36.48** | **36.48** |  |

**15.5 CFLD on Oilseeds: Nil**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.No. | Crop | Varieties demonstrated and check | Allocated | | Implemented | |
| Area (ha) | Demos (No.) | Area (ha) | Demos (No.) |
| - | - | - | - | - | - | - |
|  | Total |  |  |  |  |  |

**15.6 CFLDs on Pulses: On going**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl.No. | Crop | Varieties demonstrated and check | Allocated | | Implemented | |
| Area (ha) | Demos (No.) | Area (ha) | Demos (No.) |
| - | - | - | - | - | - | - |
|  | Total |  |  |  |  |  |

**15.7 Krishi Kalyan Abhiyan (Aspirational districts) : Nil**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 : Nil**

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

**15.9 Tribal Sub-Plan (TSP) : Nil**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Farmer Training | | Women Farmer Training | | Rural Youths | | Extension Personnel | | OFT (No of Technologiess) | Number of farmers involved | | | Participants in extension activities (No.) | Production of seed (q) | Production of Planting material (Number in lakh) | Production of Livestock strains (Number in lakh) | Production of fingerlings (Number in lakh) | Testing of Soil, water, plant, manures samples (Number) |
| No. of Trainings/Demos | No. of Farmers | No. of Trainings/Demos | No. of Women Farmers | No. of Trainings/Demos | No. of Youths | No. of Trainings/Demos | No. of Ext. Person | On- farm trials | Frontline demos | Mobile agro- advisory to farmers |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**15.10 SCSP : Serve were completed**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Farmer Training | | Women Farmer Training | | Rural Youths | | Extension Personnel | | OFT (No of Technologiess) | Number of farmers involved | | | Participants in extension activities (No.) | Production of seed (q) | Production of Planting material (Number in lakh) | Production of Livestock strains (Number in lakh) | Production of fingerlings (Number in lakh) | Testing of Soil, water, plant, manures samples (Number) |
| No. of Trainings/Demos | No. of Farmers | No. of Trainings/Demos | No. of Women Farmers | No. of Trainings/Demos | No. of Youths | No. of Trainings/Demos | No. of Ext. Person | On- farm trials | Frontline demos | Mobile agro- advisory to farmers |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**15.11 NARI : Nil**

|  |  |  |
| --- | --- | --- |
| **Activity** | **Achievement** | |
| **Number of activity** | **No. of farmers/ beneficiaries** |
| OFTs – Nutritional Garden (activity in no. of Unit) |  |  |
| OFTs – Bio-fortified Crops (activity in no. of Unit) |  |  |
| OFTs – Value addition(activity in no. of Unit/Enterprise) |  |  |
| OFTs - Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise) |  |  |
| FLDs – Nutritional Garden (activity in no. of Unit) |  |  |
| FLDs – Bio-fortified Crops (activity in no. of Unit) |  |  |
| FLDs – Value addition(activity in no. of Unit/Enterprise) |  |  |
| FLD- Other Enterprises (activity in no. of Unit/Enterprise) (activity in no. of Unit/Enterprise) |  |  |
| Trainings |  |  |
| Extension Activities |  |  |

**15.12 KVK Portal :**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of Events added by KVKs** | **No. of Facilities added by KVKs** | **Filled Report on Package of Practices (Y/N)** | | | | **Filled Profile Report (Y/N)** | | | | | | | |
| **Crop** | **Livestock** | **Fisheries** | **Horticulture** | **Employees** | **Posts** | **Finance** | **Soil Health Cards** | **Appliances** | **Crops** | **Resources** | **Fish** |
| 122 | 8 | Y | N | N | Y | Y | Y | N | Y | N | N | Y | N |

**15.13 KSHAMTA : Nil**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Number of Adopted Villages** | **No. of Activities** | | **No. of farmers benefited** | |
| **Demo** | **Training** | **Demo** | **Training** |
|  |  |  |  |  |

**15.14 DFI**

| **Sl** | **District** | **Taluks** | **Villages** | **Farmers (No.)** | **Average Benchmark Income (Rs/year)** | **Crops/ enterprises** | **KVK Interventions** | **Additional Net Income generated due to KVK interventions (Rs/year)** | **Total income of farmer (Rs/year)** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Mandya | Mandya | Holalu cluster | 10 | 118692.6 | Paddy  Coconut Vegetable | ICM IPDM Animal husbandry | 140039 | 258731.6 |
| 2 | Hadya cluster | 53 | 178267.208 | Paddy  Pulses Coconut Mulberry | ICM IPDM Animal husbandry | 282715.623 | 460982.8302 |
| 3 | Nagamangala | Brahmadevarahalli  cluster | 14 | 344058.5 | Vegetable Coconut Sheep Goat | ICM IPDM Animal husbandry | 432154.571 | 776213.0714 |
| 4 |  | Maddur | Sollepura  Cluster | 5 | 255780 | Paddy  Sugarcane Ragi | ICM IPDM Animal  husbandry | 370624 | 626404 |
| 5 |  | Malavalli | Nelamakanahalli | 8 | 162250 | Paddy Coconut Ragi Vegetable | ICM IPDM | 1005533.333 | 1167783.333 |
| 6 |  | Srirangapatna | Hosuru | 6 | 168133.3333 | Paddy  Sugarcane Coconut Mulberry | ICM IPDM Animal  husbandry | 366237 | 534370.3333 |
| 7 |  | Pandavapura | M.Shettihalli | 8 | 298920 | Coconut Banana Ginger Arecanut | ICM IPDM Animal husbandry | 370841.25 | 669761.25 |
| 8 |  | K.R.Pete | Akkihebbalu | 6 | 184500 | Sugarcane Banana  Coconut Ginger | ICM IPDM Animal  husbandry | 210500 | 395000 |

**PART XVI - FARMERS FEEDBACK ON ASSESSED/DEMONSTRATED TECHNOLOGIES OF CROPS / LIVESTOCK**

**16.1 Farmers feedback on performance of crop varieties/hybrids**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Crop varieties/hybrids assessed/ demonstrated** | **Farmer’s feedback** |
| 1 | Paddy : MSN-99 | Short duration, medium size grains, high yielding |
| 2 | Paddy : RNR-15048 | Short duration, slender grain, good yielding |
| 3 | Ragi : KMR-301 | Short duration, high yielding and non lodging variety |
| 4 | IPDM in sweet corn | The integrated approaches as let to decreasing pest and disease incidence and gaining high yielding |
| 5 | Chilli var. Arka haritha | Hybrid having high yielding capacity with high pungency of the fruit |
| 6 | Dolichos var. arka sambhram | Being bush type, growing dolichos is easy and yield is high compare to the existing varieties |

**16.2 Farmers feedback on performance of agronomic practices**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Agronomic practices** | **Farmer’s feedback** |
| 1 | Integrated weed management : Application of pre emergent herbicide (Ben sulfuron Methyl + Pretilachlor) and hand weeding | * Less labour requirement * Effective weed management * Low cost of cultivation |
| 2 | 1. Seed treatment with biofertilizer (Azospirillum and PSB @ 200g/acre each) 2. Application of Zinc sulphate (8kg/acre) 3. Application of pre emergence herbicide (Ben sulfuron Methyl + Pretilachlor) 4. Integrated pest and disease management | * Increase in yield * Effective weed management * Blast incidence was less |
| 3 | 1. Use of FYM 4 t/ha.  2. Use of bio fertilizer Azospirillum 200 g/ha. as seed treatment  3. Line sowing | * Increase in yield * Non lodging of plants |
| 4 | 1. Seed treatment (Metalyxyl+mancozeb)  2. Use of neem oil (2 ml/l) as foliar spray after 15 days of sowing  3. Use of emamectim benzoate (0.4 g/l as foliar spray after 25 days of sowing | * Increase in yield * Decrease in incidence of pest and disease |
| 5 | 1. Vegetable special 5 g/l as foliar spray from 45 days after transplanting  2. Use of yellow sticky traps  3. Soil test based nutrient management  4. Use of neem soap  5. Need based pest and disease management | * No. of pods / kg fruit is more * Pungency in fruit is good |
| 6 | 1. Vegetable special 5 g/l as foliar spray from 45 days after transplanting  2. Use of yellow sticky traps  3. Soil test based nutrient management  4. Use of neem soap  5. Need based pest and disease management | * The plant is bush type which helps in better maintenance of the crop * Yield is more and has fetched better prize in market |

**16.3 Farmers feedback on performance of pest and disease management in crops**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Pest and disease management in crops** | **Farmer’s feedback** |
| 1 | Maize | Integrated pest and disease management practices helped in decrease in fall army worm and blight incidence |
|  | Chilli | Use of Arka haritha hybrid gave good yield and IPM practices resulted in no leaf curl symptom |
| 2 | Avare | Use of need based plant protection chemicals helped in reduced pod borer incidence |
| 3 | Cucumber | Integrated nutrient management helped in good yield and use of the chemical like spinoside and seed treatment in metalyxyl and mancozeb helped in decreased fruit fly incidence |
| 4 | Yardlong bean | Use of thiomethaxim for seed treatment, use of pseudomonas, yellow sticky traps helped in decrease in yellow mosaic incidence and the yield was good |
| 5 | Chrysanthemum | Use of bio agents trichoderma, pseudomonas, neem soap, yellow sticky trap helped in decrease of leave spot of disease and incidence thrips and the size of the flower was good with better opening |
| 5 | Mulberry | Use of neem oil and bio agents and trichoderma at 15 and 20 days after pruning helped in decreasing incidence of leaf roller |

**16.4 Farmers feedback on performance of farm machinery technologies : Nil**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Farm machinery technologies** | **Farmer’s feedback** |
|  |  |  |

**16.5 Farmers feedback onperformance of livestock and fisheries technologies : Nil**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Livestock/fisheries technologies** | **Farmer’s feedback** |
|  |  |  |

**PART XVII - FINANCIAL PERFORMANCE**

**17A. 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 | State Bank of India | V.C.Farm | 40164 | Saving | 54046591066 | 000006000 | SBIN0040164 |
| With KVK | State Bank of India | V.C.Farm | 40164 | Saving | 54046591066 | 000006000 | SBIN0040164 |
| State Bank of India | V.C.Farm | 40164 | Saving | 64004043829 | 000006000 | SBIN0040164 |

**17B. Utilization of KVK funds during the year 2022-23 (Rs. in lakh)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | | |
| 1 | **Pay & Allowances** | | 132.21 | 132.21 | 128.20 |
| 2 | **Traveling allowances** | | 2.5 | 2.5 | 1.50 |
| 3 | **Contingencies** | | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | | 2.50 | 2.50 | 1.82 |
| *B* | POL, repair of vehicles, tractor and equipments | | 2.00 | 2.00 | 1.96 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | | 1.13 | 1.13 | 0.92 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | | 0.75 | 0.75 | 0.71 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | | 6.0 | 6.0 | 5.61 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | | 1.1 | 1.1 | 0.88 |
| *G* | Training of extension functionaries | | 0.40 | 0.40 | 0.27 |
| *H* | Maintenance of buildings | | 0.60 | 0.60 | 0.57 |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory | | 0.60 | 0.60 | 0.56 |
| *J* | Extension activities | | 0.80 | 0.80 | 0.60 |
| *K* | EDP | | 0.30 | 0.30 | 0.24 |
| *L* | Nutri garden | | 0.30 | 0.30 | 0.29 |
| *M* | Library | | 0.1 | 0.1 | 0.09 |
| **TOTAL (A)** | | | **151.29** | **151.29** | **144.23** |
| **B. Non-Recurring Contingencies** | | |  |  |  |
| 1 | **Information technology** | | 3.0 | 3.0 | 2.71 |
| 2 | **Equipment including SWTL & Furniture** | |  |  |  |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | | - | - | - |
| 4 | **Library** (Purchase of assets like books & journals) | |  |  |  |
| **TOTAL (B)** | | |  |  |  |
| **1** | | **SCSP plans** | 2.65 | 2.65 | 0 |
| **C. REVOLVING FUND** | | |  |  |  |
| **GRAND TOTAL (A+B+C)** | | | **156.94** | **156.94** | **146.95** |

**17C. Status of revolving fund (Rs. in lakh) for the last three years**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Opening balance as on 1st January** | **Income during the year** | **Expenditure during the year** | **Net balance in hand as on 31st December of each year** |
| 2020 | 7.58 | 18.02 | 18.39 | 7.21 |
| 2021 | 7.21 | 10.73 | 10.13 | 7.81 |
| 2022 | 7.81 | 32.70 | 34.14 | 6.37 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
| Dr. D.K. Suresh | Scientist (Agril.Extn) | Statistical & Socio-Economic methods and impact assessment for refinement of technologies in Agriculture | CPCRI, Kasaragodu,  Kerala | 11-22 August, 2022 |
| Dr. D.K. Suresh | Scientist (Agril.Extn) | Bamboo-wonder grass | IFGTB,  Coimbatore,  Tamilnadu | 23-26 August, 2022 |
| Dr.Divya.B | Scientist (Horticulture) | Microbes and society: Current trends and future prospects | University of Mysore | 21.09.2022 to 23.09.2022 |
| Dr. Rekha Badalingappanavar | Scientist (Agronomy) | Digital solutions for effective transfer of Technology | PJTSAU Rajendra nagar, Hydrabad and UAS’B | 26.09.2022 to 30.09.2022 |
| Dr. Pavithra, S. | Scientist (Plant Protection) | Quality control of  Bio- agents | NIPHM, Hyderabad | 09-11-2022 to 18-11-2022 |

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