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**I.C.A.R-KRISHI VIGYAN KENDRA, CHIKKAMAGALURU**

**ANNUAL REPORT- 2022**

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

**KVK, HANDPOST, MUDIGERE, CHIKKAMAGALURU**

**Website:** [**https://kvkmudigere.karnataka.gov.in/**](https://kvkmudigere.karnataka.gov.in/)

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**KELADI SHIVAPPA NAYAKA UNIVERSITY OF AGRICULTURAL & HORTICULTURAL SCIENCES, SHIVAMOGGA**

**PART I – GENERAL INFORMATION ABOUT THE KVK**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| KVK Address | Telephone | | E mail | **Web Address** |
|  | Office | Fax |  |  |
| Senior Scientist & Head  I.C.A.R-Krishi Vigyan Kendra  Mudigere-577 132  Chikkmagaluru District. | 08263-295198 | - | [kvkmudigere@gmail.com](mailto:kvkmudigere@gmail.com) [kvk.Chikkamagaluru@icar.gov.in](mailto:kvk.Chikkamagaluru@icar.gov.in) | <https://kvkmudigere.karnataka.gov.in/> |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | **Web Address** |
| Office | Fax |  |  |
| KSN University of Agricultural & Horticultural Sciences, Shivamogga | 91-081-82267001 | +91-081-82298008 | [vcuahs2014@gmail.com](mailto:vcuahs2014@gmail.com) | <http://www.uahs.edu.in> |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Dr. Krishnamurthy A.T. | -- | 9480838203 | [kvkmudigere@gmail.com](mailto:kvkmudigere@gmail.com) |

1.4. Year of sanction: 1985

**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.Krishnamurthy A.T. | Senior Scientist & Head | M | Agricultural Extension | M.Sc. (Agril.Extn.)Ph.D. | 131400-217100 | 135300 | 27-08-2020 | Permanent | ST |
| 2 | Scientist/SMS | Dr. Girish R | Scientist (Pl.Protn.) | M | Agril.  Entomology | M.Sc.(Agri. Ent.)  Ph.D. | 68900-205500 | 82300 | 28-10-2013 | Permanent | OBC |
| 3 | Scientist/SMS | Dr. Satheesha N. | Scientist (H.Sc.) | M | Food & Nutrition | M.Sc.(Food & Nutrition)  Ph.D. | 68900-205500 | 82300 | 25-06-2020 | Permanent | SC |
| 4 | Scientist/SMS | Vacant | - | - | - | - | - | - | - | - | - |
| 5 | Scientist/SMS | Vacant | - | - | - | - | - | - | - | - | - |
| 6 | Scientist/SMS | Vacant | - | - | - | - | - | - | - | - | - |
| 7 | Scientist/SMS | Vacant | - | - | - | - | - | - | - | - | - |
| 8 | Programme Assistant ( Lab Tech.) | Vidyavathi | Lab Technician | F | Microbiology | M.Sc.(Micro Bio.) | 44900-142400 | 53600 | 19-06-2020 | Permanent | OBC |
| 9 | Programme Assistant (Computer) | Mrs. Fathima Zahara | Programme Assistant (Computer) | F | Commerce | M.Com. | 44900-142400 | 50500 | 21-01-2011 | Permanent | OBC |
| 10 | Programme Assistant/ Farm Manager | Mrs. Shruthi H.R. | Farm Manager | F | Ag. Economics | M.Sc. (Ag.Econ.) | 44900-142400 | 47600 | 06-12-2013 | Permanent | OBC |
| 11 | Assistant | Mrs. Savitha S.P. | Assistant | M | Arts | B.A. | 30350-750-58250 | 32600 | 30-12-2021 | Permanent | SC |
| 12 | Jr. Stenographer |  |  |  |  |  |  |  |  |  |  |
| 13 | Driver - 1 | Mr. Madaiah, N. | Driver (Tractor) | M | - | SSLC | 30350-750-58250 | 35150 | 18.10.2008 | Permanent | SC |
| 14 | Driver - 2 | Mr. Akram | Lab Assistant/ Driver (Jeep) | M | Arts | II PUC | 30350-750-58250 | 31100 | 16-08-2012 | Permanent | OBC |
| 15 | SS-1 | Mrs. Rashmi C. | Attender | F | Commerce | B.Com | 17000-28950 | 18200 | 31-03-2018 | Permanent | OBC |
| 16 | SS-2 |  |  |  |  |  |  |  |  |  |  |

**1.6. Total land with KVK (in ha): 21.20 ha**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** | |
| 1 | Under Buildings | Administrative Building and Demonstration Units -0.52  Trainees hostel – 0.60 | |
| 2. | Under Demonstration Units | Nursery | 0.5 ha |
| Poultry |
| Rabbit |
| Piggery & Goat |
| Fish unit |
| 3. | Under Crops | Sapota | 30.0 |
| Rubber | 9.0 |
| Cashew | 4.0 |
| Silver trees | 5.0 |
| Demonstration blocks, Nursery | 2.0 |
| 4. | Orchard/Agro-forestry |  |  |
| 5. | Others |  | |

**1.7. Infrastructural Development:**

**A) Buildings**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.  No. | Name of building | Source of  funding | Stage | | | | | |
| Complete | | | Incomplete | | |
| Completion  Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area  (Sq.m) | Status of construction |
| 1. | Administrative  Building | ZC Unit | 1990-91 | 250 sq.m | 5.0 lakh |  |  |  |
| 2. | Farmers Hostel | ZC Unit | 2005-06 | 300 sq.m. | 22,45,800 |  |  |  |
| 3. | Staff Quarters | ZC Unit | 2009-10 | 400 sq.m | 41,83,000 |  |  |  |
|  | 1 |  |  |  |  |  |  |  |
|  | 2 |  |  |  |  |  |  |  |
|  | 3 |  |  |  |  |  |  |  |
|  | 4 |  |  |  |  |  |  |  |
|  | 5 |  |  |  |  |  |  |  |
|  | 6 |  |  |  |  |  |  |  |
| 4. | Demonstration Units |  |  |  |  |  |  |  |
|  | 1 Nursery | UAS(B) | 2003-04 | 50 sq.m | 50,000-00 |  |  |  |
|  | 2 Vermi compost unit | ZC Unit | 2004-05 | 20’x20’ | 1,00,000-00 |  |  |  |
|  | 3 Spawn unit | UAS(B) | 2003-04 | 6x4.4m | 1,44,877-00 |  |  |  |
|  | 4 Piggery unit | ZC Unit | 2008-09 | 80 sq.mt. | 3,25,000-00 |  |  |  |
|  | 5 Horticulture propagation unit | ZC Unit | 2008-09 | 50 sq.mt. | 3,00,000-00 |  |  |  |
|  | 6 Soil Science & Agril. Chemistry lab | ZC unit | 2005-06 |  | 11,80,000-00 |  |  |  |
| 5 | Fencing |  |  |  |  |  |  |  |
| 6 | Rain Water harvesting system | UAHS(S) |  | 250 sq.m. | UAHS(S) |  |  |  |
| 7 | Threshing floor |  |  |  |  |  |  |  |
| 8 | Farm godown |  |  |  |  |  |  |  |
| 9 |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Bolero SLE 2WD 7 seater AC | 2017 | 6,65,536 |  | Good |
| TVS star city bike | 2006 | 40,000 |  | frequent repair |
| Honda Activa scooter | 2009 | 50,000 |  | Repair |
| Tractor | 2012 | 5,00,000 |  | Good |
| Tiller | 2011 | 1,48,770 |  | Repair |

**C) Lab equipment & AV aids**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Quantity (No.)** | **Cost (Rs.)** | **Present status** |
| Generator (Diesel) | 19-06-89 | 01 | 19740-00 | Good |
| Godrej type writer (English) | 10-12-85 | 01 | ---- | Satisfactory |
| Godrej type writer (Kannada) | 10-12-85 | 01 | ---- | Satisfactory |
| Computer with printer | 26-02-02 | 01 | 45100-00 | Satisfactory |
| Laminar air flow | 08-01-04 | 01 | 46500-00 | Good |
| Refrigerator | 08-01-04 | 01 | 19600-00 | Good |
| Refrigerator | 30-03-05 | 01 | 13900-00 | Good |
| Autoclave | 08-01-04 | 01 | 34000-00 | Good |
| Conference chair | 28-07-04 | 01 | 50375-00 | Good |
| Microwave Oven | 31-03-05 | 01 | 20000-00 | Good |
| Computer, Printer with 1 KVA UPS | 20-09-05 | 01 | 63000-00 | Good |
| Computer, Printer with 1 KVA UPS | 11-03-06 | 01 | 63000-00 | Good |
| Xerox Machine | 24-02-05 | 01 | 65565-00 | not working |
| Compaq branded system | 27-03-07 | 01 | 30492-00 | Good |
| Xerox machine | 25-11-18 | 01 | 55120-00 | Good |
| Seagate 80 GB hard disk | 28-03-11 | 01 | 2100-00 | Good |
| Pepper D coning with washing | 13-03-13 | 01 | 22500 | Good |
| Sony TV with stabilizer & audio system | 3-07-13 | 01 | 48950-00 | Good |
| UPS system & battery | 18-03-15 | 01 | 31675-00 | Good |
| Sony TV with accessories and home theater | 31-03-16 | 01 | 99475 | Good |
| ITC portable lecture podium | 14-02-16 | 01 | 40000 | Good |
| Ahuja PS x 362 DP portable amplifier | 10-03-16 | 01 | 7700 | Good |
| 5 tyne SMB plough | 23-06-16 | 01 | 24150 | Good |
| HP desk top computer | 29-08-16 | 01 | 49750 | Good |
| Lenovo desk top computer | 29-09-16 | 01 | 98554 | Good |
| File rack/wall robe for keeping file | 18-10-16 | 01 | 38520 | Good |
| Pusa digital ster meter kit |  | 01 | 65000 | Good |
| Epson ink bank projector | 11-02-17 | 01 | 41145 | Good |
| EPSon projector colour light out put | 02-02-17 | 01 | 49800 | Good |
| HP printer | 09-02-17 | 01 | 34203 | Good |
| Luminous battery | 13-02-17 | 01 | 49500 | Good |
| Luminous UPS | 13-02-17 | 01 | 25500 | Good |
| Display board frames | 29-12-16 | 01 | 19250 | Good |
| Engine operated chain saw | 17-02-17 | 01 | 29540 | Good |
| Makita weed cutter brush cutter | 17-02-17 | 01 | 28000 | Good |
| Bee hive box | 28-02-17 | 01 | 18000 | Good |
| Breeding rabbits with cages | 28-02-17 | 01 | 30000 | Good |
| Sprayer tank with aluminium feet ladder | 14-03-17 | 01 | 14413 | Good |
| Room air cooler | 14-03-17 | 01 | 6600 | Good |
| Acqua star hot & cool | 03-03-17 | 01 | 31000 | Good |
| Solar street light | 27-01-17  30-01-17  31-01-17 | 01 each | 33949  33949  33949 | Good |
| Hydroponics system | 23-04-17 | 01 | 30000 | Good |
| Hyroponics NFT & raft system | 19-02-18 | 01 | 50000 | Good |
| Bolero | 12-05-17 | 01 | 665562 | Good |
| Xerox machine (Kyoura) | 8-12-17 | 01 | 97280 | Good |
| Model low cost poultry unit | 01-03-18 | 01 | 16535 | Good |
| Fibre frame with pot | 03-03-18 | 01 | 24940 | Good |
| Fibre frame with pot podder cutting & seeds | 05-03-18 | 01 | 24936 | Good |
| Atomic absorption spectrophotometer | 23-01-18 | 01 | 1418500 | Good |
| Water distillation unit | 10-03-18 | 01 | 162241 | Good |
| EC meter | 10-03-18 | 01 | 68146 | Good |
| pH meter | 10-03-18 | 01 | 31624 | Good |
| Nitrogen distillation | 12-03-18 | 01 | 298994 | Good |
| Spectrophotometer | 04-03-18 | 01 | 470230 | Good |
| **AV-aids** |  |  |  |  |
| Automatic slide projector | 20-11-82 | 01 | 3234-00 | Under repair |
| Camera | 16-11-86 | 01 | 6800-00 | Satisfactory |
| Over head projector | 23-02-87 | 01 | 3186-00 | Under repair |
| Elempo 35mm film strip-cum-slide projector | 23-02-87 | 01 | 1176-00 | Under repair |
| Over Head Projector | 14-05-04 | 01 | 25000-00 | Repair |
| Fax | 10-06-04 | 01 | 24975-00 | Under repair |
| Digital Camera | 16-03-05 | 01 | 19995-00 | Good |
| Panel board | 15-07-05 | 01 | 22923-00 | Good |
| Ahuja amplifier SSB-60EM | 17-09-08 | 01 | 5020-00 | Good |
| PA column speakr ASC-30T | 17-09-08 | 01 | 3032-00 | Good |
| Ahuja AWM-490 VI+L | 17-09-08 | 01 | 3119-00 | Good |
| AWD 59xLR card mic | 17-09-08 | 01 | 484-00 | Good |
| Sony ICD-Vx60/SCE PC | 17-09-08 | 01 | 5923-00 | Good |
| Sony Digital camera | 22-01-13  12-03-16 | 02 | 9950-00  32315-00 | Good  Good |
| Dell Projector | 23-03-15 | 01 | 25100-00 | Good |
| Dell inspiron 3542 laptop | 25-03-15 | 01 | 43000-00 | Good |
| LED clip on | 09-03-17 | 01 | 18549 | Good |
| Display scroller | 23-01-17 | 01 | 39961 | Good |
| Kiosk tent with LED clip on | 30-01-17 | 01 | 28906 | Good |
| Panasonic (CC TV accessories) | 28-02-17 | 01 | 47600 | Good |
| Dell desktop computer | 09-03-17 | 01 | 48500 | Good |
| Electronic balance | 24-02-17  27-02-17 | 01 each | 14885  15614 | Good |
| Samsung tab | 17-02-17 | 01 | 17700 | Good |
| Mridaparikshak soil testing mini lab | 21-02-20 | 01 | 86000 | Good |
| **Village Resource Centre items** |  |  |  |  |
| 1.8M Ext C band antenna with NP mount and earthing kit (prodeline) | 10-07-09 | 01 |  | Good |
| Ext C band 2W BUC with PLL-LNB 7 IDU (Link star/via sat) | 10-07-08 | 01 |  | Good |
| UPS 1 KVA on line 4-hrs. SMF battery backup (E&C) | 10-07-09 | 01 |  | Good |
| Video capture computer (HPDx6120) | 10-07-09 | 01 |  | Good |
| Handy cam with tripod (sony DCR TRV 285E) | 10-07-09 | 01 |  | Good |
| Wireless microphone (UHF) (bayer dynamics) | 10-07-09 | 01 |  | Good |
| Speaker with amplifier (Bosh LBD 1906 & LBD 8573) | 10-07-09 | 01 |  | Good |
| Speakers | 10-07-09 | 01 |  | Good |
| **RKVY Project materials** |  |  |  |  |
| Research microscope | 25-11-08 | 01 | 66555-00 | Good |
| Photo copier | 25-11-08 | 01 | 55120-00 | Good |
| LCD motorized screen | 25-11-08 | 01 | 25875-00 | Good |
| Touch screen information kiosk | 25-11-08 | 01 | 124569-00 | Good |
| LG frost free refrigerator | 25-11-08 | 01 | 30750-00 | Good |
| Digital micropipettes | 27-11-08 | 01 | 21180-00 | Good |
| Desk top coputers | 02-02-09 | 01 | 46000-00 | Good |
| Printers | 02-02-09 | 01 | 31290-00 | Good |
| Display boards | 02-02-09 | 01 | 30000-00 | Good |
| Computer table | 02-02-09 | 01 | 5558-00 | Good |
| Computer chairs | 02-02-09 | 01 | 3542-00 | Good |
| LCD | 02-02-09 | 01 | 44990-00 | Good |
| Video camera | 02-02-09 | 01 | 184000-00 | Good |
| Hot air oven PSM make | 17-02-09 | 01 | 24166-00 | Good |
| Laminar air flow | 17-02-09 | 01 | 54013-00 | Good |
| Autoclave | 17-02-09 | 01 | 28688-00 | good |
| Elisa reader | 08-09-09 | 01 | 147155-00 | Good |

**D) Farm equipment and implements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the equipment/implement** | **Year of purchase** | **Quantity (No.)** | **Cost (Rs.)** | **Present status** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**1.8. Details of SAC meeting organized**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Number of Participants** | **Salient Recommendations** | **Action taken** | **Remarks, if any** |
| **Dr. M.K. Naik, Hon’ble Vice Chancellor, Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga.** | | | | |
| 24-01-2022 | **Dr. M.K. Naik** | Dissemination of information among farming communities on management of acidic soil. | The following information is provided on acid soil management   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Acid soil management measures in upland areas | 09.12.2022 | 01 | 33 | | 2 | Training on the use of fertilizers based on soil testing | 02.06.2022 | 01 | 17 | | 3 | Awareness program on the importance of using balanced fertilizers in agriculture | 21.06.2022 | 01 | 42 | | 4 | World Soil Day | 05.12.2022 | 01 | 87 | | 5 | Importance of soil and method of soil sampling | 05.01.2023 | 01 | 41 | | 6 | Role of organic matter in improving soil fertility status | 13.01.2023 | 01 | 40 | | 7 | Folders (number) | - | 03 | - | | 8 | Issuance of Soil Health Certificate (No.) | - | 1125 | - | |  |
|  |  | Create awareness about weather based cropping system (pulse crops). | The program was organized by Agricultural Science Centre, Mudigere. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Climate Smart Agriculture, Damu Planning, Climate Change, Weather Forecasting, Climate Aspects.  Lightning precautions and safety measures  About weather based mobile apps | 03.01.2022  03.01.2022  27.01.2022  28.01.2022  03.02.2022  14.02.2022  17.02.2022  24.02.2022  07.03.2022  10.03.2022  30.03.2022  31.05.2022  21.06.2022  23.07.2022  30.07.2022  01.08.2022  04.08.2022  05.09.2022  16.09.2022  18.09.2022  11.10.2022  21.10.2022  31.10.2022  14.11.2022  19.01.2023 | 25 | 26  22  27  25  21  26  31  33  33  57  10  21  28  31  31  36  34  22  30  28  15  19  30  28  35 | |  | **ಒಟ್ಟು** |  |  | **699** | |  |
|  |  | Capacity development programmes on preparation of value added products for spice crops (ODOP) which provide employment opportunity. | A workshop was organized on 07.01.2022 at Krishi Vigyan Kendra, Mudigere, under one district one product of spice crops i.e. Pepper and Cardamom. A total of 200 farmers participated and got information.  Actions have already been taken to create training and entrepreneurship employment opportunities in manufacturing of value added products (one district one product).  Special postal envelopes were released at the inauguration ceremony of the new administrative building of the KVK.  Information on manufacturing of value added products is given in the table below.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training Program on Importance of secondary Agriculture | 28.07.2022 | 01 | 33 | | 2 | Importance of value added ingredients and poultry technology | 12.09.2022 | 01 | 26 | |  |
|  |  | Demonstrations on chemical spray and harvesting of arecanut by using carbon fibre pole. | Information on spraying and harvesting demonstration using carbon fibre pole in arecanut is given in the table below.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Use the carbon fibre pole for harvesting arecanut | 08-11-2022 | 01 | 50 |   In 18 on campus and 9 off campus trainings on arecanut crop, information was given to 1102 farmers about spraying and harvesting of arecanuts using carbon fibre pole. |  |
|  |  | Conduct FLD’s and OFT’s on weather based cropping system which includes short term disease resistant cultivars in collaboration with IIHR. | The following information is provided on Climate Based Crop Planning   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on technology developed by Indian Horticultural Research Institute | 08.09.2022 | 01 | 35 | | 2 | Production technology and seed distribution of vegetable varieties developed by the Indian Horticultural Research Institute, Bangalore | 19.10.2022 | 01 | 21 |  * A pioneering Front Line demonstration of Arka Bharat spine gaurd variety developed by Indian Institute of Horticultural Research has been carried out in 5 farmers' plots in 0.25 hectare area. * Demonstration of Arka Sukomal Beans has been conducted in 20 farmer plots covering 2.0 ha area. * On farm testing of Arka Sanvi, Arka Tanvi, Arka Tejaswi, Arka Kyathi and Arka Gagan pepper varieties has been undertaken. |  |
|  |  | Conduct awareness programs on conservation of local /indigenous varieties.  Popularization of bioagents like *Trichoderma and Pseudomonas*  *UAHS*-28 (cowpea variety), paddy varieties such as KHP-13, KPR-1 and made available to farmers at KVK | Biological agents such as Trichoderma, Pseudomonas, etc. have been made available to the farmers at KVK, Mudigere. The information is as follows.   |  |  |  |  | | --- | --- | --- | --- | | **Sl. no.** | **Title** | **Volume (kg/l)** | **Total farmers** | | 1 | Trichoderma | 709 | 115 | | 2 | Pseudomanus | 256 | 57 | | 3 | Wham | 69 | 25 | | 4 | PSB | 9 | 6 | | 5 | Paesilomyces | 150 | 27 | | 6 | AMC | 100 | 42 | | 7 | AMC | 193 | 52 | | 8 | PGPR | 6 | 2 | | 9 | Waste Decomposer | 59 | 35 | | 10 | Ginger special | 94 | 18 | | 11 | Cardamom Special | 5 | 2 |  * A on farm testing was conducted by the KVK on areca husk composting * Cowpea variety UASH-28 and Paddy varieties KHP-13, KPR-1 have been taken as frontline demonstration by the KVK and have given good results. Due to this farmers are keen to grow these varieties. |  |
| **Dr. B. Hemla Naik, Director of Extension , Keladi Shivappa Nayaka University of Agricultural and Horticultural Sciences, Shivamogga** | | | | |
|  | Dr. B. Hemla Naik | Marigold as a nutrient exhaustive crop conduct field assessment in arecanut plantation  Grow marigold as a trap crop for management of pest and disease.  Advised to grow two rows of marigold along with two rows of pulses as intercrop in young arecanut plantation. | * Demonstration on inter-cropping with nut in 2.0 ha area with 10 farmers (Demonstration in progress) has been conducted by Center of Agricultural Sciences. * On 14.02.2022, training was conducted on the technique of intercropping in walnut with ball flower cultivation. 34 farmers actively participated in this program. |  |
|  |
|  |
|  |  | Soil analysis should be done before and after planting of marigold as a intercrop in arecanut plantation to know the soil nutrient status. | * The soil was tested before sowing the marigold as an intercrop. * Soil testing will be done after the demonstration is over. |  |
|  |  | Demonstration of nano fertilizers in maize has to be continued for two more years. | Following are the details of the training programs on Nano Fertilizers   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Spraying and importance of nano urea in maize crop | 19.10.2022 | 01 | 16 | | 2 | Training on Integrated Nutrient Management in Maize Crops | 18.08.2022 | 01 | 26 | | 3 | Management of Armyworm in Maize Modern Farming Practices | 15.06.2022 | 01 | 21 | |  |
|  |  | Create employment opportunity for school dropouts and youths in villages by conducting skill oriented root feeding capacity building programme of Coconut and Arecanut | Training was given to the school dropouts by KVK, Mudigere. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Self employment agricultural training for rural women | 12.01.2022 | 01 | 58 | | 2 | Backyard chicken farming and mushroom farming | 27.01.2022 | 01 | 30 | | 3 | Beekeeping and Mushroom Cultivation | 28.01.2022 | 02 | 93 | | 4 | Mushroom Cultivation Training Program | 17.02.2022 | 01 | 21 | | 5 | Mushroom Cultivation Training Program | 28.04.2022 | 01 | 30 | | 6 | Mushroom Cultivation Training Program | 12.08.2022 | 01 | 34 | | 7 | Mushroom Cultivation Training Program | 11.06.2022 | 01 | 34 | | 8 | Scientific beekeeping | 09.09.2022 | 01 | 43 | | 9 | Importance of value added ingredients and poultry technology | 12.09.2022 | 01 | 26 | | 10 | Training on nutritional horticulture, nursery technology, income and employment generating industries | 28.09.2022 | 01 | 30 | | 11 | Training on Scientific Beekeeping | 29.09.2022 | 01 | 40 | | 12 | Training of unemployed young women of women self help groups on sub-towns | 05.11.2022 | 01 | 15 | |  |

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| **Dr. Rayudu .B. T., Principal Scientist (Agri. Extension), ATARI, I.C.A.R. Bangalore** | | | |
| Dr. Rayudu .B. T. | Conduct demonstration on weather based agriculture system. | Climate based programs are organized by KVK, Mudigere. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Climate Smart Agriculture, Damu Planning, Climate Change, Weather Forecasting, Climate Aspects.  Lightning precautions and safety measures  About weather based mobile apps | 03.01.2022  03.01.2022  27.01.2022  28.01.2022  03.02.2022  14.02.2022  17.02.2022  24.02.2022  07.03.2022  10.03.2022  30.03.2022  31.05.2022  21.06.2022  23.07.2022  30.07.2022  01.08.2022  04.08.2022  05.09.2022  16.09.2022  18.09.2022  11.10.2022  21.10.2022  31.10.2022  14.11.2022  19.01.2023 | 25 | 26  22  27  25  21  26  31  33  33  57  10  21  28  31  31  36  34  22  30  28  15  19  30  28  35 | |  | **Total** |  |  | **699** |   About 699 farmers have participated in this program and benefited from it |  |
|  | Create awareness and conduct capacity building programmes on nutrient management in Agriculture and Horticulture crops to increase the supply and production of quality plants/ seedlings. | Programmes on Nutrient Management are organized by Agricultural Science Centre, Mudigere. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Integrated nutrient management in millet crop | 28.11.2022 | 01 | 25 | | 2 | Importance and utilization of nutrients in millet crops | 01.12.2022 | 01 | 32 | | 3 | Training on Importance of Nutrients in paddy | 23.07.2022 | 01 | 22 | | 4 | Training on integrated nutrient management in groundnut, coconut, groundnut and potato crops | 12.08.2022 | 01 | 36 | | 5 | Training on integrated nutrient management in millet, potato and maize crops | 18.08.2022 | 01 | 26 | | 6 | Training on integrated nutrient management in millet crop | 29.09.2022 | 01 | 16 | | 7 | Comprehensive nutrients in millet crop | 28.11.2022  Sunnadahalli Lingadahalli | 01 | 25 | | 8 | Integrated crop management is a modern farming practice in millet crop | 30.11.2022  Mundre, Amruthapura | 01 | 27 | | 9 | Importance and utilization of light nutrients of millet crops | 01.12.2022  Singatagere Kadur | 01 | 32 |  * A frontline demonstration on integrated crop management in Ragi was conducted by the Center for Agricultural Sciences with 10 farmers in an area of ​​4.0 hectares. * Organized Ragi Field day in association with Department of Agriculture. Organized in Ajjampur village. A total of 84 farmers actively participated in this. |  |
|  | Organize more number of skill oriented training programme for rural youth for their self employment. | Effective training programs have been conducted by KVK, Mudigere. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Self employment agricultural training for rural women | 12.01.2022 | 1 | 58 | | 2 | Agricultural solid waste management | 25-01-22  to 29-01-22 | 5 | 27 | | 3 | Solid waste management in agriculture | 31-01-22  to 04-02-22 | 5 | 27 | | 4 | Agricultural solid waste management | 21-02-22  to 25-02-22 | 5 | 34 | | 5 | Agricultural solid waste management | 04-07-22 to  09-07-22 | 5 | 26 | | 6 | Agricultural solid waste management | 11-07-22  to 15-07-22 | 5 | 28 | | 7 | Employment and income generating activities for rural youth | 05-09-22  to 19-09-22 | 15 | 25 | | 8 | On role of employment and income generating enterprises for additional income of women power/self-help societies members | 21.10.2022 | 01 | 24 | | 9 | Training of unemployed young women of women self help groups on sub-towns | 05.11.2022 | 01 | 15 | |  | **Total** |  | **43** | **264** | |  |
|  | Conduct OFT in same cluster with different farmers | Field demonstrations have been carried out in different cluster villages.  • Kanabagatte  • Gonibedu  • Jodihochihalli |  |
|  | Based on suggestions, SAC report to be made in 3 groups and submit to ATARI after approval of DE.   1. SAC-1: Details of FLD’s and OFT’s to be conducted in next year (2022-23) 2. SAC-2: Training and Awareness programs to be conducted in next year (2022-23)   SAC-3: Programs to be conducted by KVK in association with line departments. | The report is submitted to Atari after obtaining the approval of the Director of Extension  FLD – 18  OFT – 02  Training and Awareness – 35  Extension programs in collaboration with Development Department - 10 |  |
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| **Dr. Thirumalesh, M., Joint Director of Agriculture, Department of Agriculture, Chikkamagaluru.** | | | | | | | | | | |
| Dr. Thirumalesh, M. | | | Conduct capacity building programs at KVK under the financial assistance of Sanjeevini NRLM scheme | | | Training programs are organized at Krishi Vigyan Kendra in association with Sanjeevini.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | Sponsored by | | 1 | Agricultural Livelihood Community Resource Persons (Agriculture) | 12-09-22  To  14-09-22 | 6 | 30 | National Rural Livelihood Mission, Chikkamagaluru | | 2 | Agricultural Livelihood Community Resource Persons (Agriculture) to | 19-09-22  to  24-09-22 | 6 | 27 | National Rural Livelihood Mission, Chikkamagaluru | | 3 | Agricultural Livelihood Community Resource Persons (Agriculture) | 26-09-22  to  01-10-22 | 6 | 30 | National Rural Livelihood Mission, Chikkamagaluru | |  | **Total** |  | **18** | **87** |  | | | |  | |
|  | | | Weather based bulletins should be made available to more number of farmers in the district. | | | * 57,588 farmers rely on DAMU (District Agriculture Meteorological Unit) forecast bulletins for rainfall and weather-based agricultural information, which helps farmers plan their farming activities (sowing and harvesting) to avoid losses. * Folders on climate-based agriculture published and delivered to farmers visiting KVK, Mudigere and farmers in climate-based agriculture awareness programme. | | |  | |
|  | | | Facilities available at KVK and line department should be made available to farmers | | | The facilities available in the Development Departments are provided to the farmers visiting the KVK and information is provided through all the training. | | |  | |
|  | | | Encourage to cultivate pulses and legume crops in paddy fallows by utilizing residue moisture for additional income. | | | * Cowpea (UAHS-28) field demonstration was conducted by the KVK, Mudigere on 4.0 ha area with 10 farmers. * Demonstration of Arka Sukomal Beans has been conducted in 20 farmer plots covering 2.0 ha area. | | |  | |
|  | | | To create awareness among the farmers to apply the fertilizers based on soil test result. | | | Training on soil testing has been provided by KVK, Mudigere. Details are as below   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on the use of fertilizers based on soil testing | 02.06.2022 | 01 | 17 | | 2 | Importance of earthworm manure and production technology | 21.09.2022 | 01 | 30 | | 3 | Importance of soil and method of soil sampling | 05.01.2023 | 02 | 41 | | 4 | Role of organic matter in improving soil fertility status | 13.01.2023 | 01 | 40 |  * World Soil Day was celebrated on 05-12-2022 at KVK. 87 farmers participated in this program and got information about importance of soil management and soil health. * Approximately 1125 soil samples were analyzed at the KVK and fertilizer recommendations were made based on the results. | | |  | |
|  | | | Dry land Agri-Horti demonstrations to be taken up in dry regions of district like Kadur, Tarikere and Ajjampura taluks. | | | * On behalf of KVK, Mudigere, on fam testing of new groundnut varieties like TMV-2, G-2-52 and Kadri Lepakshi (K1812) has been conducted in 3.0 hectare area in 5 farmers field. * A field demonstration of high yielding sunflower cultivar KBSH-41 has been conducted in 4.0 ha area under the supervision of 10 farmers. | | |  | |
|  | | | Revising/updating existing package of practice | | | Improved Crops Farming Practice Book Revised | | |  | |
|  | | | Encourage to establishment of FPO’s in the district by creating awareness about importance of FPO in doubling of farm income. | | | * Two Farmers Producers Associations have been established by the KVK, Mudigere. * Mudigere Farmer Producers Association, G.Hosahalli * Gadigeshwar Farmer Producers Association, Narasimharajapur * And continuous provision of technical information/service to 7 farmer producer associations mentioned below. * Shri Guru Siddharameshwar Farmers Producers Institute, Tarikere, * Chandradrona Bharat Raitha Producers Corporation, Chikkamagaluru * Viranjaneya Farmer Producers' Organization, Tarikere * Kadur Farmer Producers Association, Kadur * Awareness House Farmer Producers Association, Kadur * Kalahasti Farmers Producers Association, Uddeboranahalli, Chikkamagaluru * Punyakoti Farmer Producers Association, Singtakere, Chikkamagaluru | | |  | |
| **Dr. Shripad Kulakarni, Associate Director of Extension, UAS, Dharwad** | | | | | | | | | | |
| Dr. Shripad Kulakarni | | | Encourage the small farmers to grow horse gram in rainfed area. | | | Measures have been taken to encourage small farmers to grow bean crop   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Integrated crop management in bean crop | 31.01.2022 | 01 | 26 | | 2 | Importance of micronutrients in bean crop | 23.07.2022 | 01 | 22 | | 3 | Training on Production Technology of Bean Crop | 02.08.2022 | 01 | 31 | | | |  | |
|  | | | Encourage the farmers to grow banana and conduct capacity building programme on value addition of banana. | | | Training on banana cultivation was imparted by KVK, Mudigere. Details are as below   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Production technology of banana crop | 15.10.2022 | 01 | 35 | | 2 | Integrated pest and disease management in banana crop | 10.10.2022 | 01 | 23 | | 3 | Integrated crop management of banana | 09.11.2022 | 01 | 25 | | | |  | |
|  | | | To conduct demonstration on insect-pest management in arecanut. | | | Training on pest management in groundnut crop has been provided by KVK, Mudigere. Details are as below   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | integrated pest and disease management in groundnut crop | 03.01.2022 | 01 | 36 | | 2 | Integrated pest and disease management of nut crop | 27.04.2022 | 01 | 27 | | 3 | Training on Organic Farming and Integrated Pest and Disease Management in Nut Crop | 25.07.2022 | 01 | 51 | | 4 | Training on integrated pest and disease management in groundnut and chilli crop | 15.09.2022 | 01 | 38 | | 5 | Training on Integrated Pest and Disease Management of Nut Crop | 22.09.2022 | 01 | 33 | | 6 | Training on integrated crop management of groundnut leaf spot disease and black pepper | 24.09.2022 | 01 | 22 | | 7 | Training on Integrated Pest and Disease Management in Groundnut and Chilli | 30.09.2022 | 01 | 44 | | 8 | Integrated Pest Management of Organic Systems in Nut | 08.10.2022 | 01 | 18 | | 9 | Management of groundnut leaf spot disease and crop management of pepper | 28.10.2022 | 01 | 54 | | 10 | Management of groundnut leaf spot disease and chickpea crop | 29.10.2022 | 01 | 30 | | 11 | Nut leaf spot disease and chickpea production technology | 29.10.2022 | 01 | 22 | | 12 | Walnut leaf spot disease management | 04.11.2022 | 01 | 91 | | 13 | Walnut leaf spot disease management | 12.10.2022 | 01 | 66 | | 14 | Walnut leaf spot disease management | 14.10.2022 | 01 | 30 | | 15 | Nut leaf spot disease management and production technology of cocoa crop | 17.10.2022 | 01 | 60 | | 16 | Walnut leaf spot disease management | 17.10.2022 | 01 | 14 | | 17 | Walnut leaf spot disease management | 18.10.2022 | 01 | 23 | | 18 | Walnut leaf spot disease management | 19.10.2022 | 01 | 26 | | 19 | Integrated Pest and Disease Management of Coconut and Nut Crops | 09.11.2022 | 01 | 97 | | 20 | Walnut leaf spot disease management | 15.11.2022 | 01 | 123 |   **Extension activities**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Place** | **Total participant** | | 1 | Demonstration method: Management of leaf spot disease in groundnut crop | 28.9.2022 | Garbage | 48 | | 2 | Taluk Level Seminar on Integrated Crop Management in Nut Crop | 1.3.2022 | Iswarahalli, Chikmagalur | 83 | | 3 | Integrated crop management in groundnut crop | 5.3.2022 | Kuntinamadu, Tarikere | 204 | | 4 | Taluk Level Seminar on Integrated Crop Management in Nut Crop | 22.03.2022 | Yaradakere, kaduru | 162 | | 5 | Walnut leaf spot disease management | 04.11.2022 | Sringeri | 475 |   Information provided by the scientists of the KVK as resource persons:   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Sl.**  No. | Title | Date | Place | Department | Total participant | | 1 | Management of Nut leaf spot disease | 27.4.2022 | Sringeri | Sringeri KSDH Sringeri | 27 | | 2 | Integrated pest and disease management in groundnut crop | 15.9.2022 | Bakkambudi | Bakkambudi K.S.D.H., Tarikere | 38 | | 4 | Integrated pest and disease management in groundnut crop | 22.9.2022 | Sringeri | Sringeri KSDH Sringeri | 33 | | 4 | Integrated pest and disease management in groundnut crop | 28.9.2022 | Kalasa | Kalasa K.S.D.H., Mudigere | 48 | | 5 | Integrated pest and disease management in groundnut crop | 30.9.2022 | Koppa | Koppa S.K.D.R.D.P. Coppa | 44 | | 6 | Integrated pest and disease management in groundnut crop | 10.10.2022 | Kadur | Kadur K.S.D.H., Kadur | 23 | | 7 | Management of Nut leaf spot disease | 12.10.2022 | Kalasa | Kalasa K.S.D.H., Mudigere | 58 | | | |  | |
| **Mr. Vedamurty, T. R., Deputy Director of Horticulture, Department of Horticulture, Chikkamagaluru.** | | | | | | | | | | |
| Mr. Vedamurty, T. R. | | | | Cent percent of the financial assistance given to KVK under National Honey Bee Mission by RKVY it may be utilized. | | | Steps have been taken to prepare a plan to increase the production, sale and quality of honey bee. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Beekeeping and Mushroom Cultivation | 28.01.2022 | 01 | 48 | | 2 | Beekeeping and Mushroom Cultivation | 28.01.2022 | 01 | 45 | | 3 | Scientific beekeeping | 09.09.2022 | 01 | 43 | | 4 | Training on Scientific Beekeeping | 29.09.2022 | 01 | 40 |  * 25 kg honey bee is provided to farmers from KVK, Mudigere. * World Honey Bee day was organized on 20-05-2022 at KVK, Mudigere. |  | | |
|  | | | | Create awareness about rain water harvest. | | | In every training program, information is being imparted to adopt rain harvesting technology (Krishi honda) and agriculture pits have been made for demonstration in KVK farm. |  | | |
|  | | Provide water soluble fertilizers application schedule for the benefits of extension worker and farmers. | | | Information is given on production techniques in horticultural crops. The details are as follows   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Production technology of dry horticultural crops | 14.11.2022 | 01 | 31 | | 2 | On Production Technology of Cocoa Sorghum | 29.10.2022 | 01 | 18 | | 3 | Production technology of horticultural pulses and plant protection | 29.10.2022 | 01 | 32 | | 4 | Importance of organic fertilizers in horticulture crops | 07.03.2022 | 01 | 38 | | 5 | Integrated pest and disease management in organic farming systems | 24.03.2022 | 01 | 28 | | | | | |  |
|  | | Organise skill oriented training on the post harvest technology of agricultural and horticultural crops. | | | Information about post-harvest technology of agricultural and horticultural products is given in the table below.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Importance of value added ingredients and poultry technology | 12.09.2022 | 01 | 26 | | 2 | On value addition in horticultural crops | 04.01.2023 | 01 | 67 |  * Jack Mela organized on 28-06-2022 and 29-06-2022 at Sakharayapatnam by KVK, Mudigere - Training, exhibition and sales system was conceived by jute entrepreneurs on value addition of jute products in 2022. * 12 value added preparation shops were opened in this programme. | | | | |  |
|  | | Conduct demonstration and capacity building programmes on new varieties of cardamom (Appangala-1, IISR-Avinash) | | | Information about market of various products is given. Field inspection of cardamom cultivars (Appangala-II, hybrid cultivar, IISR –Avinash) has been undertaken during 2020-21, the crop is still in progress stage. We are expecting good results.  • Demonstration of cardamom varieties will be undertaken in the next work plan.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Integrated pest and disease management in cardamom and pepper crops | 20.01.2022 | 01 | 18 | | 2 | Cardamom and black pepper crop integrated pest and disease management and sanitation campaign. | 22.02.2022 | 01 | 37 | | 3 | Training on natural farming practices in horticulture crops | 05.03.2022 | 01 | 14 | | 4 | Pest and Disease Management in Pepper and Nut Crops and Climate Based Farming | 19.04.2022 | 01 | 57 | | 5 | Spraying and importance of nano urea in pepper crop | 19.10.2022 | 01 | 16 | | 6 | Coconut and Nut Production Technology | 29.11.2022 | 01 | 33 | | | | | |  |
|  | | Demonstration on Oil Palm | | | * Palm (Oil Palm) Demonstration Palms are being encouraged to grow under the subsidy of Horticulture Department to carry out paddy field area. * Information about palm crop is being given in Krishi Mela/Vastu Exhibition. | | | | |  |
|  | | Conduct more number of extension activities on management of Rugos White Fly in coconut | | | An extension activity on Rogos white fry (Rogos white fry) infesting coconut crop has been undertaken by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on natural farming practices in horticulture crops | 05.03.2022 | 01 | 44 | | 2 | Importance of organic fertilizers in horticulture crops | 07.03.2022 | 01 | 38 | | 3 | Integrated Nutrients and Pest and Disease Management in Horticultural Crops | 13.04.2022 | 01 | 28 | | 4 | Integrated pest and management in coconut crop | 10.10.2022 | 01 | 23 | | 5 | Production technology of horticultural crops and plant protection | 29.10.2022 | 01 | 32 | | 6 | Integrated Pest and Disease Management of Coconut and Nut Crops | 09.11.2022 | 01 | 97 | | 7 | Coconut and Nut Production Technology | 29.11.2022 | 01 | 33 | | 8 | Integrated crop management of coconut crop | 28.4.2022 | 01 | 107 |   **Field day**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Coconut field festival | 2-12-2022 | Uddeboranahalli. | 34 | | 2. | Coconut field festival | 7-12-2022 | Darkness | 36 |   **Workshop**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | 28.02.2022 | Seminar on Integrated Crop Management of Coconut at Taluk Level | Iswarahalli, Chikkamagaluru | 83 | | 2 | 22.03.2022 | Symposium on Taluk Level Integrated Crop Management of Coconut | Yaradakere, Kadur | 162 | | 3 | 28.04.2022 | District Level Coconut Crop Worker | Sindegere, Chikkamagaluru | 132 | | 4 | 05.03.2022 | Nut and Coconut Cultivator | Kuntinamadu, Tarikere | 205 | | 5 | 05.05.2022 | Seminar on Integrated Crop Management of Coconut at Taluk Level | Jodilingada | 130 | | | | | |  |
|  | | To conduct demonstrations on management of leaf curl virus in chilli. | | | Information about the management of thrips (leaf blight) found in chilli crop is given in the table below.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on leaf curl disease resistant varieties in chilli crop | 11.01.2022 | 01 | 10 |  * Field testing of Arka Sanvi, Arka Tanvi, Arka Tejaswi, Arka Khima and Arka Gagan chilli varieties has been undertaken. * Evaluation of leaf blight resistant chilli cultivars (Arka Yassavi, Arka Sanvi, Arka Tanvi, Arka Harita, Arka Gagan, H-07, H-20, H-25, H-43 and Arka Tejaswi) has been undertaken. | | | | |  |
|  | | During sowing season there is a shortage of onion seeds, hence provide information about availability of onion seeds. | | | Front-line field demonstration on integrated crop management in onion crop has been conducted by 10 farmers in an area of ​​4.0 hectares on behalf of Agricultural Science Centre.  • Information on availability of Bhima Super variety seed provided to farmers.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on integrated crop management of onion crop | 02.08.2022 | 01 | 38 | | 2 | Onion Cultivator | 25.05.2022 | 01 | 85 |  * 1 quintal of Bhima Super onion seed provided to farmers by Siddarameshwar Farmer Producers Association, Ajjampur. * 1.5 quintal of Bhima Super onion seed grown by Hosdurga farmers provided to other farmers * From Krishi Vigyan Kendra, Belgaum- 2 to 1 quintal of Bhima Super onion seed provided to farmers. | | | | |  |
| **Mr. M. A. Sudarshan, AIR, Bhadravathi.** | | | | | | | | | | |
| Mr. M. A. Sudarshan, | | Converge the farmers to financial institutions and line departments to avail the facilities available for the benefit of farmers. | | | * Trained and informed by skilled managers about Bank's Mudra scheme and financial information. * Information is being imparted in trainings about financial assistance available in banks by corp set resource persons. | | | | |  |
| **Mr. Mohammad Aseef, SLO, Coffee Board, Mudigere.** | | | | | | | | | | |
|  | Mr. Mohammad Aseef | Conduct capacity building programmes on cultivation of exotic fruits in coffee plantations as a intercrop. | | | Information about the cultivation of foreign fruits in coffee plantations has been provided by the Agricultural Science Centre. The details are as follows.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Production technology of foreign fruits (butter fruit, litchi and dragon fruit). | 02.11.2022 | 01 | 45 | | 2 | Production technology of foreign traditional fruits | 02.12.2022 | 01 | 30 | | | | | |  |
| Made availability of *Beauveria Bassiana* bioagent to the farmers at KVK | | | A front line field demonstration of Sigandhini, a disease-resistant cultivar of black pepper, was conducted by the KVK in the presence of 10 farmers.  • Information is provided to the farmers about rust resistant varieties like Arka Coorg Excel, Panniyur-8, ISSR Shakti, ISSR Thevam and seedlings of black pepper varieties are being provided to the farmers.  Front-line field demonstration on the management of wlt disease in black pepper was conducted by the KVK in 25 farmers in an area of ​​10 hectares.  • On 07.01.2022, a workshop was organized on 07.01.2022 at Krishi Vigyan Kendra, Mudigere, under one product of Sambar crops namely Kalu Mensa and Cardamom. About 200 farmers participated in the workshop. | | | | |  |
|  | Adequate quantity of black pepper varieties resistant to wilt disease should be made available to farmers. | | | On behalf of KVK, front-line field demonstration of tilapia fish breed was conducted in 5 farmers fields and the farmers were informed to be careful about biosecurity in fish farming. | | | | |  |
| **Mr. Guruchannabasavanna, Deputy Director of Fisheries, Department of fisheries, Chikkamagaluru.** | | | | | | | | | | |
| Mr. Guruchannabasavanna | | Create awareness among farming communities about biosafety in tilapia fish farming. | | | Information was provided to the farmers on the cannibalism of murrel fish | | | | |  |
| Murel fish is the fastest growing variety and be aware on its cannibalism | | | Information was provided to the farmers on the cannibalism of murrel fish | | | | |  |
| Provide economics of RAS and other bio flock system for farmers. | | | Information is provided to farmers on the economics of aquaculture and bioplaque | | | | |  |
| **Dr. Prasad P S, Assistant Professor (Plant Pathology) H.R.E.C, Arasikere, UHS Bagalkot** | | | | | | | | | | |
| Dr. Prasad P S | | Potato are cultivating in 400ha of area in the district, farmers are facing germination problem, late blight, soft rot and non-availability of certified seed. | | | A program was organized by the KVK, Mudigere on Potato Blight. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Training on integrated nutrient management in potato crop | 12.08.2022 | 01 | 36 | | 2 | Training on Integrated Nutrient and Disease Management in Potato Crop | 18.08.2022 | 01 | 26 | | | | | |  |
| **Mr. E. Pratap, District DevelopmentOfficer, Chikkamagaluru, NABARD** | | | | | | | | | | |
| Mr. E. Pratap | | Conduct capacity building programs on bee keeping and mushroom cultivation. | | | * A total of 57 inner campuses, 63 outer campuses and 04 sponsored training programs and 6 vocational training programs have been conducted by the KVK, Mudigere, in which a total of 4877 farmers have benefited. * Below mentioned extension programs are undertaken by KVK, Mudigere   **Demonstrations**:   |  |  |  |  | | --- | --- | --- | --- | | **Sl. No** | **Technologies Demonstrated** | **FLDs initiated** | | | **No. of farmers** | **Area/ units (ha)** | | 1 | Demonstration on foliar application of Ginger special for higher yield and quality | 10 | 4.0 | | 2 | Demonstration of Spine gourd variety- Arka Bharath | 5 | 0.25 | | 3 | Demonstration of Cow pea (UAHS-28) in Paddy Fallow system | 10 | 4.0 | | 4 | Demonstration of Nutri - Garden in Schools for nutritional security | 5 | 1500m2 | | 5 | Demonstration of GIFT Tilapia at High stocking density in Farmers Pond | 5 | 500m2 | | 6 | Demonstration of Nutri - Garden for farm Women House holds for nutritional security | 25 | 250m2 | | 7 | Demonstration of Soybean variety (DSb-21) | 10 | 4.0 | | 8 | Demonstration of Marigold in Young Arecanut based Cropping System | 10 | 2.0 | | 9 | Demonstration on integrated crop management in Onion | 10 | 4.0 | | 10 | Demonstration on integrated crop management in Ragi | 10 | 4.0 | | 11 | Demonstration on high yielding variety sunflower | 10 | 4.0 | | 12 | Demonstration on nutrient management in Paddy | 20 | 4.0 | | 13 | Demonstration on management of fall army worm (Spodoptura frugiperda) in maize | 25 | 10 | | 14 | Demonstration on Integrated Crop Management in chickpea (NFSM) | 25 | 10.0 | | 15 | Demonstration on Management of slow wilt in black pepper | 25 | 10.0 | | 16 | Demonstration of new black pepper variety Sigandhini - for higher yield | 10 | 500 vines | | 17 | Demonstration on Production performance of Corps in Acidic water bodies | 5 | 500m2 |   **Agricultural Exhibition:**   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** |  | **Training No.** | **Total participant** | | 1 | 28-06-22  to  29-06-22 | Halasina Mela | Sakharayapatnam, Chikkamagaluru | 2 | 706 | | 2 | 26-4-22 | Kisan Mela KVK, Mudigere, under Kisan Bhagidari Priyam Hamari Abhiyan | Kisan Mela KVK, Mudigere, under Kisan Bhagidari Priyam Hamari Abhiyan | 1 | 180 | | 3 | 3-11-22  to  6-11-22 | Krishi Mela-2022 “Agricultural Innovation” | GKVK, Bangalore | 1 | 40 | | 4 | 23-12-22 | Agricultural Innovation for Sustainable Livelihood- Agricultural Fair | KVK, Mudigere | 1 | 5000 | | 5 | 27-05-2022 to  29-05-2022 | Secondary Agricultural Technologies to Double Farmers' Income | Agricultural University Dharwad | 1 | - | | 6 | 10-01-2023  to  12-01-2023 | Krishi Mela | Agricultural University Raichur | 1 | - | | 7 | 23-12-2022  to  25-12-2022 | Horticulture Fair-2022 | Agriculture and Horticulture University Bagalkot | 1 | - |   **Field days**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Training No.** | **Total participant** | | 1 | Integrated crop management field festival of chickpea crop | 09-02-2022 | Tadaga, Ajjampur | 47 | | 2 | Field day of Nutritious Horticulture | 11-02-2022 | potato, | 27 | | 3 | Field day on Management of pinworm in Tomato Crop | 14-02-2022 | Jodilingadahalli Kadur | 38 | | 4 | Integrated crop management of chilli crop | 12-03-2022 | Hireshigara, Mudigere | 33 | | 5 | Field day of French Beans (Arca Sukomal) Crop Demonstration After Paddy Harvest | 19-04-2022 | G. Hosahalli, Mudigere | 43 | | 6 | Field day of Cowpea (UAHS-28 ) crop in paddy field after paddy harvest. | 08-06-2022 | G. Hosahalli, Mudigere | 42 | | 7 | Demonstration field day of KBSH-41, a high yielding variety of sunflower crop | 26-08-2022 | Beeranhalli, Kadur | 29 | | 8 | Field Festival of Integrated Crop Management Demonstration of Onion Crop | 21-09-2022 | Jodilingadahalli, | 37 | | 9 | Field day on Soyabean (DSB-21) | 14-12-2022 | Darkness | 40 | | 10 | Field day on Management of fall armyworm in Maize | 20-10-2022 | Tadaga, Ajjampur | 67 | | 11 | Field day on Ginger Special Nutrients for High Yield | 31-10-2022 | Tadaga, Ajjampur | 45 | | 12 | Field day on Gipt Tilapia Fish for High Stocking Density in Farmer's Pond | 18-11-2022 | G. Hosahalli, Mudigere | 52 | | 13 | Field day on Ragi | 29-11-2022 | G. Hosahalli, Mudigere | 24 | | 14 | Integrated Pest and Disease Management in arecanut Crop | 29-11-2022 | Tadaga, Ajjampur | 21 | | 15 | Coconut field day | 2-12-2022 | Gondedahalli, | 34 | | 16 | Coconut field day | 7-12-2022 | Ajjampur | 36 | | 17 | Field day on Nutrient Management in Paddy | 30-12-2022 | Uddeboranahalli. | 34 | |  | Total |  |  | **649** |   **Exposure visit/Educational tour**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** |  | **Total participant** | | 1 | Visit to cashew and cocoa fair | 28-04-2022 | Shimoga | 51 | | 2 | Integrated farming system | 03-08-2022 | Moogtihalli | 38 | | 3 | Integrated Farming System Kadamba Farmer Producers Association, Shirsi | 12-08-2022 **ಮತ್ತು**  13-08-2022 | Chikmagalur District Farmer Producers Association Kunnalu | 100 | | 4 | Agricultural Livelihood Community Resource Persons | 14-09-2022 | Kunnalu, Moogtihalli | 26 | | 5 | Agricultural Livelihood Community Resource Persons | 21-09-2022 | Kunnalu, Moogtihalli | 30 | | 6 | Agricultural Livelihood Community Resource Persons | 28-09-2022 | Kunnalu, Moogtihalli | 31 | | 7 | On solid waste management in agriculture, | 15.07.2022 | Kalasa | 28 | | 8 | On solid waste management in agriculture, | 10.12.2022 | Kalasa | 27 | | 9 | On solid waste management in agriculture, | 16-12-2022 | Kalasa | 28 | | 10 | On solid waste management in agriculture, | 06-01-2023 | Kalasa | 30 | | | | | |  |
|  | | Providing more training to (farmer producer associations) on processing and value addition | | | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | | More programs on processing and value addition have been organized by the KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **Place** | **no. of days** | **Total participant** | | 1 | Importance of value added ingredients | 12.09.2022 | KVK, Mudigere | 01 | 26 | | 2 | Preparation awareness program for value added ingredients for members of Farmer Producers Association | 02.07.2022 | KVK, Mudigere | 01 | 25 | | 3 | On value additions in horticultural crops | 04.01.2023 | Aldur | 01 | 67 |   In the extension activities organized by the KVK, information is being given about the facilities available to farmers in NABARD. | | | | | |  |
| **Dr. Jayadeva, SADH, Mudigere** | | | | | | | | | | |
| **Dr. Jayadeva** | | Awareness and more training on groundnut leaf spot disease affecting the crop | | | Awareness has been raised about the groundnut leaf spot disease affecting Kalasa area by KVK, Mudigere.   |  |  |  |  |  |  | | --- | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | | **Place** | **No. of Participant** | | 1 | Demonstration method: Management of leaf spot disease in groundnut crop | | 28.9.2022 | Kalasa | 48 |   **Information provided by the scientists of the Agricultural Science Center as resource persons:**   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  No. | Title | Date | Place | Department | | 1 | Integrated pest and disease management in groundnut crop | 28.9.2022 | Kalasa | KSDH, Mudigere | | 2 | Management of Nut leaf spot disease | 12.10.2022 | Kalasa | KSDH, Mudigere |   Folders and pamphlets have been published and distributed to farmers by KVK, Mudigere | | | | |  |
|  | | Conducting training on beekeeping and mushroom cultivation | | | A training program on beekeeping and mushroom cultivation has been conducted by KVK, Mudigere. The information is given in the following table   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.**  **No.** | **Title** | **Date** | **no. of trainings** | **Total participants** | | 1 | Beekeeping and Mushroom Cultivation | 28.01.2022 | 01 | 48 | | 2 | Beekeeping and Mushroom Cultivation | 08.02.2022 | 01 | 45 | | 3 | Mushroom Cultivation Training Program | 17.02.2022 | 01 | 21 | | 4 | Mushroom Cultivation Training Program | 28.04.2022 | 01 | 32 | | 5 | Mushroom Cultivation Training Program | 12.08.2022 | 01 | 34 | | 6 | Mushroom Cultivation Training Program | 11.06.2022 | 01 | 34 | | | | | |  |
| **Dr. Shivaprasada, M., Associate Director of Extension, ZAHRS, Mudigere.** | | | | | | | | | | |
| Dr. Shivaprasada, M. | | Conduct demonstration and capacity development programmes on Agro Forestry | | | A program on agro-forestry was organized by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Cr. No.** | **Title** | **Date** | **Training No.** | **Total Campers** | | 1 | Pradhan Mantri Garib Kalyan Yojana Training on Agroforestry and Integrated Farming Practices | 31.05.2022 | 01 | 47 |   About 400 saplings of Jackfruit, Mango etc. have been planted in the farm of KVK for demonstration by the Forest Department. | | | | |  |
| **Dr. V. Shrinivas, Professor, Department of Olericulture, College of Horticulture, Mudigere.** | | | | | | | | | | |
| Dr. V. Shrinivas | | Demonstration on protected cultivation of vegetable crops. | | | A program on plant conservation under conservation tillage has been organized by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | **No. of trainings** | **Total participants** | | 1 | Integrated pest and disease management of tomato crop | 08.11.2022 | 01 | 16 | | 2 | Pest and Disease Management in Bell Pepper | 30.11.2022 | 01 | 25 | | 3 | Pest and Disease Management in Bell Pepper | 12.12.2022 | 01 | 35 | | | | | |  |
| **Mr. Lokeshappa, Progressive farmer and Dairy Entrepreneur, Hireangala, Birur.** | | | | | | | | | | |
| Mr. Lokeshappa | | Information on wilt resistant black pepper varieties suitable to rainfed area. | | | * Field demonstration of Sigandhini, a disease resistant variety in black pepper, was conducted among 10 farmers and the disease resistant varieties Arka Coorg Excel, Panniyur-8, I.S.S.R. Shakti, I.S.S.R. Information about Thevam varieties is provided to the farmers. * Front-line field demonstration on management of wilt disease in pepper was conducted in 10 hectare area with 25 farmers. | | | | |  |
|  | | Conduct workshop on spice crops in dry regions of the district ie. Kadur and Tarikere taluks. | | | A Sambar crop workshop was organized in Kaduru, Tarikere by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | **Place** | **No. of priticpans** | | 1 | Integrated crop management of chilli crop | 12-03-2022 | Kanabagatte | 21 | | 2. | Training on integrated pest and disease management in groundnut and chilli crop | 15.09.2022 | Shivani | 38 | | 3 | Training on Integrated Pest and Disease Management in Groundnut and Chilli | 30.09.2022 | Jodilingadahalli | 44 | | 4 | Integrated pest and disease management in pepper | 07.10.2022 | Tarikere | 50 | | 5 | Integrated pest and disease management in pepper | 24.11.2022 | Tadaga | 34 | | | | | |  |
|  | | Provide information on proper and adequate application of fertilizer in Agriculture crops. | | | Information about the use of fertilizers in millet and other agricultural crops has been given by the KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **date** | No. of trainings | **No. of priticpans** | | 1 | Training on Integrated Nutrient Management in Millet, Crop | 18.08.2022 | 01 | 26 | | 2 | Training on integrated nutrient management in millet crop | 29.09.2022 | 01 | 16 | | 3 | Integrated nutrient management in millet crop | 28.11.2022 | 01 | 25 | | 4 | Importance of Cereals and Cultivation Practices | 29.11.2022 | 01 | 79 | | 5 | Integrated crop management is a modern farming practice in millet crop | 30.11.2022 | 01 | 27 | | 6 | Importance and use of light nutrients of millet crops | 01.12.2022 | 01 | 32 | | 7 | Role and Importance of Cereals-Ragi | 02.12.2022 | 01 | 36 | | | | | |  |
| **Dr. Narayan S Mavarkar Dean (Horti), COH, Mudigere** | | | | | | | | | | |
| Dr. Narayan S Mavarkar | | Soil health card should be reached more number of farmers in the district. | | | A total of 1125 soil analyzes were done in the year 2022-23 at KVK, Mudigere, and soil health certificates were distributed to all the farmers. | | | | |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
|  |  | | Encourage farmers to grow/ cultivate exotic fruits and vegetables under protected cultivation. | | | A program on Butter Fruit Cultivation has been organized by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **date** | No. of trainings | **No. of priticpans** | | 1 | Production technology of foreign fruits (butter fruit, litchi and dragon fruit). | 02.11.2022 | 01 | 45 | | 2 | Production technology of foreign traditional fruits | 02.12.2022 | 01 | 30 | |  | |
| **Mr. Suhas Mohan, Agri. Entrepreneur, Bloom Biotech, Chikkamagaluru.** | | | | | | | | |
| Mr. Suhas Mohan | | | Demonstration on use of EPN for management of root grub infestation in arecanut | | | A program on Rootworm Disease in Nut has been organized by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **date** | No. of trainings | **No. of priticpans** | | 1 | Integrated Pest and Disease Management in Nut Crop | 19.04.2022 | 01 | 57 | | 2 | Integrated Pest Management of Organic Systems in Nut | 08.10.2022 | 01 | 18 | | 3 | Management of groundnut leaf spot disease and crop management of pepper | 03.01.2022  27.04.2022  25.07.2022  15.09.2022  22.09.2022  24.09.2022  30.09.2022  28.10.2022  29.10.2022  12.10.2022  14.10.2022  17.10.2022  17.10.2022  18.10.2022  19.10.2022  04.11.2022  09.11.2022  15.11.2022 | 19 | 36  27  51  38  33  22  44  54  52  66  30  60  14  23  26  91  97  123 | |  | |
|  | | | Demonstration on potato seed treatment with bio agents. | | | A program on the use of pesticides as seed treatment in potato has been organized by the KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **date** | No. of trainings | **No. of priticpans** | | 1 | Training on Integrated Nutrient Management in Potato Crops | 12.08.2022 | 01 | 36 | | 2 | Training on Integrated Nutrient Management in Potato Crops | 18.08.2022 | 01 | 26 | |  | |
|  | | | Demonstration on bio-agents to control tuta absoluta in tomato. | | | A field visit for comprehensive pest and disease management of tomato bollworm has been conducted by KVK, Mudigere and farmers have been convinced to use poisons/traps. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | No. of trainings | **No. of priticpans** | | 1 | Integrated pest and disease management of tomato crop | 08.11.2022 | 01 | 16 |   Front-line field demonstration on tomato bollworm management was conducted by KVK, Mudigere with 20 farmers in an area of ​​8.0 hectares. |  | |
|  | | | Information of cultivation of Hash variety of avocado, processing and oil extraction. | | | A program on Butter Fruit Cultivation has been organized by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | No. of trainings | **No. of priticpans** | | 1 | Production technology of foreign fruits (butter fruit, litchi and dragon fruit). | 02.11.2022 | 01 | 45 | | 2 | Production technology of foreign traditional fruits | 02.12.2022 | 01 | 30 | |  | |
|  | | | Demonstration of IIHR-Bengaluru developed arecanut husk decomposer culture. | | | KVK, Mudigere organized information and demonstration for the farmers on the use of nut yielding culture. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | No. of trainings | **No. of priticpans** | | 1 | Method of Making Compost from Nut Husks | 03.01.2022 | 01 | 24 | | 2 | Method of Making Compost from Nut Husks | 03.01.2022 | 01 | 26 | | 3 | Training on Nut Shell Composting Technology | 26.08.2022 | 01 | 25 | | 4 | Training on making compost from nut shells | 26.09.2022 | 01 | 27 | | 5 | Making compost from nut shells | 27.10.2022 | 01 | 16 | |  | |
|  | | | Demonstration of Paconia for management of nematode in blackpepper. | | | A front-line field demonstration was conducted by the KVK on the management of wilt disease in pepper in 10 hectare area with 25 farmers. In this demonstration, the farmers were made aware that the use of Pakonia toxins can effectively control rust disease. |  | |
| **Mr. Shashidhar, Senior Field Officer, Spice Board, Mudigere.** | | | | | | | | |
| Mr. Shashidhar | | | Encourage farmers to grow cardamom in order to expand area. Spice board is offering seedling at subsidized price. | | | * Farmers are being informed about the facilities available in the Spice Board in the trainings organized at the KVK. * Farmers visiting the KVK are provided with information about the availability of cardamom seedlings in the Spice Board. |  | |
|  | | | Conduct capacity building programmes on spice crops in association with Spice board. | | | The trainings are organized in collaboration with the Spice Board at the KVK and the details are as follows.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl.No.** | **Title** | **Date** | No. of trainings | **No. of priticpans** | | 1 | Integrated pest and disease management in pepper | 24.11.2022 | 01 | 34 | | 2 | Natural farming in sambar crops | 14.12.2022 | 01 | 38 | |  | |
| **Mr. D L Ashok Kumar, President, Taluk Krishika Samaja, Mudigere.** | | | | | | | | |
| Mr. D L Ashok Kumar | | | Provide information on alternative crops for paddy in malnad region | | | * Pioneering field demonstration of Cowpea UAH-28, a suitable crop for paddy fields by KVK, Mudigere in 4.0 ha area under 10 farmers. * Bean variety Arka Sukomal has been cultivated in 2.0 ha area under 20 farmers. |  | |
|  | | | Technology for elephant menace to avoid crop loss. | | | Farmers were informed about technology to avoid elephant poaching and wild animal encroachment through a stand on wild animal management at Agriculture and Horticulture Fair. |  | |
|  | | | Supply of sapota grafts to farmers. | | | Actions have been taken to make Sapota saplings available to the farmers at the KVK, Mudigere |  | |
|  | | | Demonstration on management of nut splitting in arecanut at hobli level. | | Demonstration on Nut Cracking was conducted by KVK, Mudigere. The information is given in the following table.   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Sl. No.** | **Title** | **Date** | No. of trainings | **No. of priticpans** | | 1 | Production Technology in Nut Crop | 15.10.2022 | 01 | 35 | | 2 | Production technology of horticultural pulses and plant protection | 29.10.2022 | 01 | 32 | | 3 | Nut production technology | 23.11.2022  29.11.2022 | 02 | 32  33 | | 4 | Integrated Pest and Disease Management in Nut Crop | 19.04.2022 | 01 | 57 | | | |  |
|  | | | Alternative crops for high rainfall areas. | | * Information has been provided to the farmers about Soybean as an alternative crop to Onion suitable for high rainfall areas. * Information is being given about wheat crop as an alternative crop to chickpea crop | | |  |
| **Mr. Krishnamurthy, Progressive farmer, Devagondanahalli.** | | | | | | | | |
| Mr. Krishnamurthy | | Request to fill up the vacant post of Scientist (Animal Science) at KVK. | | It has been brought to the attention of Vishwa Vidyalaya to fill the post of Scientist (Veterinary Medicine) at KVK, Mudigere. | | | |  |

**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 | Central Dry Zone (Zone-4): Kadur  a) Agriculture: Monocropping: Finger millet, Groundnut, maize, Bengal gram, Sunflower, sesame and pulses  b) Horticulture: Coconut, Arecanut, Banana, Onion, Tomato, Chilli, Brinjal, watermelon  c) Livestock enterprises: Dairy, Sheep, Goat & Poultry |
| 2 | Southern Transitional Zone (Zone-7): Tarikere  a) Agriculture: Sunflower, Groundnut, Jowar, Paddy, Fingermillet, Bengalgram, Ragi, Sugarcane, Maize  b) Horticulture: Coconut, Arecanut, Banana, Onion, Chilli, Potato, Mango  c) Livestock enterprises: Dairy farming, Sheep & Goat rearing, Poultry and Fisheries |
| 3 | Hill Zone (Zone-9): 1) Situation – 2 (Mudigere)  a) Agriculture : Mono-cropping: Paddy  b) Horticulture: a) Coffee based: Coffee + Pepper b) Cardamom based: Cardamom+Pepper c) Areca based – Areca + Pepper, Areca + Banana, Areca + Banana + Cardamom  c) Livestock Enterprises – Dairy, Piggery, Fisheries  2) Situation – 3 (Koppa & Sringeri)  a) Agriculture : Mono-cropping: Paddy , Double-cropping: Paddy-vegetable  b) Horticulture: a) Coffee based: Coffee + Pepper b) Areca based – Areca + Pepper, Areca + Pepper+ Banana, Areca + Cocoa  c) Livestock Enterprises – Fisheries, Dairy, Piggery  3) Situation-4 (N.R. Pura and Chikmagalur)  a) Agriculture : Mono-cropping: Paddy, Maize, Groundnut, Sugarcane , Double-cropping: Paddy-Pulses, Paddy-Groundnut  b) Horticulture: Arecanut, potato, chilli, tomato, potato, Cole crops  i) Coffee based: Coffee + Pepper  ii) Areca based: Areca + Pepper, Areca + Cardamom, Areca + Pepper + Cardamom, Areca + Pepper + Banana  iii) Livestock Enterprises: Dairy, Piggery, Poultry, Fisheries |

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

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1 | Central Dry Zone (Zone-4) | Red sandy clayey to silt loam |
| 2. Southern Transitional Zone (Zone-7) - Tarikere | | |
| 1 | AES-3 | Red loam |
| 2 | AES-5 | Red sandy |
| 3 | AES-6 | Red & black soil |
| 4 | AES-7 | Irrigated, scattered in all AES of zone |
| 5 | AES-8 | Scattered in all AES of zone |
|  | III. Hill Zone (Zone-9) |  |
| 1 | High elevation and high rainfall | Major coffee and cardamom  Mixed plantation Rainfed long duration Kharif paddy, drill sowing in uplands and midlands, pulses only in borders adjoining transition zone |
| 2 | Medium elevation and very high rainfall | Coffee is dominant crop, mixed plantation, rainfed, long duration Kharif paddy. |
| 3 | Medium elevation and medium rainfall | Dominated by rainfed Kharif paddy, mixed plantation crops, coffee is the major plantation crop, acidic soils, drill sown paddy in uplands and midlands |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Central dry Zone  (Zone-4) - Red sandy and medium black soils | Low in organic carbon content, high in potash, medium in phosphorous | 513’ 000 ha. |
| 2 | Southern Transitional Zone (Zone-7)- Red loam Red sandy Red & black soil Lateritic, red sandy Red sandy | Predominantly sandy soils shallow to moderate deep, reddish brown to black in colour and gravelly loamy sand to sand loamy in texture, the soils are low in cation exchange capacity low base saturation and low water holding capacity. The soils under this AES are medium in fertility well drained and respond well to irrigation, manuring and other management practices. |
| 3 | Hill Zone (Zone-9) Red loam, sandy loam to clayey | Shallow to medium in depth, low in base saturation, low in water holding capacity and cat ion exchange capacity, high inorganic matter content and poor in potash, lime and phosphorous soils are acidic in nature | 208.7’000 ha. |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (Metric tons) | Productivity (kg /ha) |
|  |  |  |  |  |

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

**2.5. Weather data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) |
|  |  | Minimum | Maximum |  |
| January | 0 | 16.98 | 17.58 | 13.72 |
| February | 0 | 18.13 | 18.70 | 14.48 |
| March | 10 | 20.69 | 21.16 | 17.07 |
| April | 94 | 22.02 | 22.48 | 19.78 |
| May | 299.5 | 22.09 | 22.39 | 19.55 |
| June | 265.00 | 21.55 | 21.85 | 19.49 |
| July | 1144.00 | 20.79 | 20.96 | 19.68 |
| August | 705.00 | 20.71 | 20.92 | 19.56 |
| September | 294.00 | 20.55 | 20.87 | 18.76 |
| October | 23.50 | 20.54 | 20.92 | 17.98 |
| November | 7.50 | 20.35 | 20.88 | 17.04 |
| December | 14.00 | 19.21 | 19.77 | 15.58 |
| Total | **2856.5** | 20.30 | 20.70 | 17.72 |

**Source** : AWS, Krishi Vigyan Kendra, Mudigere

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 79836 |  |  |
| *Indigenous* | 257740 |  |  |
| **Buffalo** | 70870 |  |  |
| **Sheep** | | | |
| Crossbred | - |  |  |
| *Indigenous* | 91155 |  |  |
| **Goats** | 46068 |  |  |
| **Pigs** | - |  |  |
| *Crossbred* | 1285 |  |  |
| *Indigenous* | 1059 |  |  |
| **Rabbits** |  |  |  |
| **Poultry** | | | |
| Hens | 1178382 |  |  |
| *Desi* |  |  |  |
| *Improved* |  |  |  |
| Ducks |  |  |  |
| Turkey and others |  |  |  |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish | 31.50 L | 28.00 t |  |
| *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. **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. | Mudigere | Mudigere | Cluster A  **(G. Hosahalli Chimitagere & Hireshigara)** | Two | Paddy  Coffee  Black pepper  Arecanut  Ginger  Banana  Kitchen-garden  Dairy,  Poultry  Piggery | 1. Decline in paddy yields due to pest, disease and weed incidence and high cost of cultivation 2. Non availability of improved varieties 3. Labour scarcity 4. Non awareness about soil reclamation procedures, nutrient management, severe nutrient loss and poor nutrient use efficiency 5. Coffee stem borer and leaf rust 6. Low yield of pepper due to poor fruit set and severe shedding of berries and poor nutrient management 7. Severe wilt/foot rot incidence and poor processing and value addition in pepper 8. Lack of mechanization 9. Lack of alternative enterprise 10. Increase in paddy fallow | | 1. Acid soil management   Integrated nutrient management  Integrated pest & disease management  Mechanization  Introduction of high yielding variety  Livestock management |
| 2 | Kadur | Kadur | Cluster B  **Jodilingadahalli (Beeranahalli & Tandya)** | Two | Ground nut/ Coconut  Tomato  Chilli  Brinjal  Beans  Leafy Vegetables  Maize  Arecanut  Onion  Potato | 1. Nutrient deficiency in groundnut 2. Pest & disease problem in vegetables 3. Nutrient deficiency in maize 4. Lack of intercrop in Arecanut garden 5. Lack of alternative enterprise 6. Pest & disease infestation in vegetables | Integrated nutrient management  Integrated pest & disease management  Mechanization  Introduction of high yielding variety  Livestock management | |

| 3 | Tarikere | Tarikere | Cluster C  **(Tadaga)**  Ajjampura | Two | Onion  Chickpea  Chilli  Coconut  Arecanut | 1. Saline soils 2. Low yield in variety in Bengal gram & onion 3. Poor management of nutrients and no usage of micro nutrients in chickpea & onion 4. Farmers are practicing manual harvesting leads to high cost of cultivation in chickpea 5. Mono cropping of onion leads to low income | Integrated nutrient management  Integrated pest & disease management  Mechanization  Introduction of high yielding variety  Livestock management |
| --- | --- | --- | --- | --- | --- | --- | --- |

**2.9 Priority thrust areas**

|  |  |
| --- | --- |
| **S. No** | **Thrust area** |
| 1 | Entrepreneurship in Aquaculture, Mushroom production, quality honey production, nursery techniques, Dairy and poultry |
| 2 | Introduction of promising varieties /hybrids in Paddy, Bengal gram, Vegetables, animal components |
| 3 | Value addition, Branding & Marketing in pepper and millets |
| 4 | Integrated Nutrient Management in Pepper, Banana, Bengal gram, Ragi and maize |
| 5 | Mechanization in Paddy & Black Pepper |
| 6 | IPDM in Agriculture (Paddy, Maize, Millets, Groundnut & Bengal gram) and Horticulture crops(Arecanut, Coconut, Black Pepper, Chilli, Banana, Tomato, Cardamom etc..,) |
| 7 | Acidic soil management |
| 8 | Entrepreneurship in Aquaculture, Mushroom production, quality honey production, nursery techniques, Dairy and poultry |
| 9 | Introduction of promising varieties /hybrids in Paddy, Bengal gram, Vegetables, animal components |
| 10 | Value addition, Branding & Marketing in pepper and millets |
| 11 | Integrated Nutrient Management in Pepper, Banana, Bengal gram, Ragi and maize |
| 12 | Mechanization in Paddy & Black Pepper |
| 13 | IPDM in Agriculture (Paddy, Maize, Millets, Groundnut & Bengal gram) and Horticulture crops(Arecanut, Coconut, Black Pepper, Chilli, Banana, Tomato, Cardamom etc..,) |
| 14 | Acidic soil management |

**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** |
| 03 | 03 | 15 | 15 | 17 | 17 | 210 | 210 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **3** | | | | **4** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 40 | 46 | 1100 | 1491 | 60 | 75 | 2000 | 2399 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Extension personnel)** | | | | **Training (sponsored)** | | | |
| **5** | | | | **6** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 3 | 5 | 155 | 281 | 2 | 3 | 60 | 90 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Vocational)** | | | | **Extension Programmes** | | | |
| **7** | | | | **8** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 3 | 5 | 150 | 148 | 11000 | 11535 | 12500 | 13387 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Q)** | | **Planting material (Nos.)** | |
| **9** | | **10** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| - | - | 15000 | 16869 |
|  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Livestock, poultry strains and fingerlings (No.)** | | | | **Bio-products (Kg)** | | | |
| **11** | | | | **12** | | | |
| **Target** | | **Achievement** | | **Target** | | **Achievement** | |
| 1500 | | 2255 no.  435.35kg | | 650 | | 799 | |
|  | |  | |  | |  | |
|  | |  | |  | |  | |
| **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** |
| 750 | 1124 | 100 | 144 | 104 | 104 | 55000 | 62180 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**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** | |
|  |  |  |  |  |  |  |  |  |  |  |  |  | **No.** | **Kg** |
| 1 | Integrated nutrient management | Groundnut | * Improper nutrient management * Nutrient deficiency of sulphur, zinc and boron * Low pod yield | Assessment foliar nutrient management of groundnut through groundnut rich | - | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | - | Groundnut rich | 20 |
| 2 | Varietal evaluation | Bengal gram | Incidence of Fusarium wilt and Root rot complex (> 30%) | Assessment of Bengal gram varieties against wilt | - | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | BGD-111-1-60 kg  SA-1-60kg  JG-11-60kg | - | - | - | - |
| 3 | Varietal evaluation | Groundnut | Low yield, pest and disease incidence and  improper nutrient management | Assessment of Groundnut variety for higher yield | - | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (03) | Kadri lepakshi-225kg  TMV-2 – 225 kg  G-2-%-2-225 kg | - | - | - | - |
| 4 | Integrated nutrient Management | Ginger | Low yield and quality of rhizome due to improper management of micro nutrients | - | Demonstration on foliar application of Ginger special for higher yield and quality | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | - | - | - | Ginger special | 40 |
| 5 | Varietal evaluation | Spine gourd | Wild local variety, Lack of knowledge about high yielding varieties  Not yet commercially exploited, restricted only for kitchen garden | - | Demonstration of Spine gourd variety- Arka Bharath | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | - | Spine gourd seedlings-250 | - | - | - |
| 6 | Varietal evaluation | Cow pea | * Non utilization of residual moisture * Low returns | - | Demonstration of Cow pea (UAHS-28) in Paddy Fallow system | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | - | - | - |

| 7 | Nutritional security | Nutri - Garden | * Lack of awareness on nutritional security * Pesticide residues in fruits and vegetables | - | Demonstration of Nutri - Garden in Schools for nutritional security | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | Green leafy vegetable seeds | Annual fruits and vegetables  Planting of perennials | - | - | - |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 8 | High stocking density | Fish | Lowest survival percentage, Low stocking density, Less net profit | - | Demonstration of GIFT Tilapia at High stocking density in Farmers Pond | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | Fingerlings-10800 no. | - | - |
| 9 | Nutritional security | Nutri - Garden | * Lack of awareness on nutritional security * Pesticide residues in fruits and vegetables | - | Demonstration of Nutri - Garden for farm Women House holds for nutritional security | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | Green leafy vegetable seeds | Annual fruits and vegetables  Planting of perennials | - | - | - |
| 10 | Varietal evaluation | Soybean | Monocropping, fluctuation in market price of onion, alternate crop for Kharif onion | - | Demonstration of Soybean variety (DSb-21) | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | Seeds (250 kg) | - | - | - | - |
| 11 | Doubling of farmers income | Marigold | Mono cropping, low income, Poor resource utilization | - | Demonstration of Marigold in Young Arecanut based Cropping System | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | Seedlings 20000 no | - | - | - |
| 12 | Integrated crop management | Onion | Improper nutrient management, Low yield and high incidence of thrips | - | Demonstration on integrated crop management in Onion | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | - | - | - | Vegetable special  Lecanicellium lecani | 20  20 lit |
| 13 | Integrated crop management | Ragi | * Low yield * Improper nutrient management * Deficiency of Zinc and Boron | - | Demonstration on integrated crop management in Ragi | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | Seeds-40 kg | - | - | - | - |
| 14 | Varietal evaluation | Sunflower | * lack of balanced fertilizer use * Lack of knowledge on micronutrient application * Nutrient deficiency and low yield | - | Demonstration on high yielding variety Sunflower | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | KBSH-41 seeds (20 kg) | - | - | - | - |
| 15 | Integrated nutrient management | Paddy | * Improper nutrient management * Nutrient deficiency of sulphur and Zinc * Acid soil management | - | Demonstration on nutrient management in Paddy | 04 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) | - | - | - | PSB | 20 |
| 16 | Integrated pest & disease management | Maize | * Low income due to mono cropping * Incidence of fall army worm | - | Demonstration on management of fall army worm (Spodoptura frugiperda) in maize | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | - | - | - |
| 17 | Integrated crop management | Chickpea | Improper nutrient management, Loss due to wilt, root rot & pod borer 25-35% | - | Demonstration on Integrated Crop Management in chickpea (NFSM) | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | Seeds 620kg | - | - | Pheramone taps Chickpea magic | 200 no  25 kg |
| 18 | Integrated pest & disease management | Black pepper | Complex problem - Slow wilt, quick wilt, root mealy bugs and stress leading to yellowing of vines | - | Demonstration on Management of slow wilt in black pepper | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | - | Neem cake  Trichoderma  Pachonia chlamadospora | 1000  25  25 |
| 19 | Varietal Evaluation | Black pepper | Complex problem - slow wilt, quick wilt leading to yellowing of vines, Lack of suitable variety for arecanut garden in high rainfall area | - | Demonstration of new black pepper variety Sigandhini - for higher yield | 03 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | Pepper seedlings-375 | - | - | - |
| 20 | High stocking density | Fish | Low pH 5.6 to 6.5, Weed infestation, Deeper water bodies | - | Demonstration on Production performance of Carps in Acidic water bodies | 02 | - | - | Group discussion (01)  Advisory services (03)  Field visit (02) | - | - | Fish fingerlings-5250 no. | - | - |

**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** | Assessment foliar nutrient management of groundnut through groundnut rich | UAS (B)  TNAU | Groundnut | 01 | - | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **2** | Assessment of Bengal gram varieties against wilt | UAS, Dharwad  UAS, Raichur | Bengal gram | 01 | - | 03 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **3** | Assessment of Groundnut variety for higher yield | UAS, Dharwad  ANGRAU, AP | Groundnut | 01 | - | 02 | Group discussion (01)  Advisory services (03)  Field visit (03) |
| **4** | Demonstration on foliar application of Ginger special for higher yield and quality | IISR, Calicut | Ginger | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **5** | Demonstration of Spine gourd variety- Arka Bharath | IIHR, (B), CHES, Chettahalli | Spine gourd | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **6** | Demonstration of Cow pea (UAHS-28) in Paddy Fallow system | KSNUAHS, Shivamogga | Cow pea | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **7** | Demonstration of Nutri - Garden in Schools for nutritional security | UHS (B) | Nutri - Garden | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **8** | Demonstration of GIFT Tilapia at High stocking density in Farmers Pond | UAS(B) | Tilapia | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **9** | Demonstration of Nutri - Garden for farm Women House holds for nutritional security | UHS(B) | Nutri - Garden | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **10** | Demonstration of Soybean variety (DSb-21) | UAS, Dharwad | Soybean | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **11** | Demonstration of Marigold in Young Arecanut based Cropping System | CPCRI, Kasargod | Marigold | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **12** | Demonstration on integrated crop management in Onion | IIHR, Bangalore | Onion | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **13** | Demonstration on integrated crop management in Ragi | UAS, Bengaluru | Ragi | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **14** | Demonstration on high yielding variety Sunflower | TNAU, Tamilnadu | Sunflower | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **15** | Demonstration on nutrient management in Paddy | UAS, Bengaluru | Paddy | - | 01 | 04 | Group discussion (01)  Advisory services (03)  Field visit (02)  Field day (01) |
| **16** | Demonstration on management of fall army worm (Spodoptura frugiperda) in maize | DAC & FW | Maize | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **17** | Demonstration on Integrated Crop Management in chickpea (NFSM) | UAS (R & D) | Chickpea | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **18** | Demonstration on Management of slow wilt in black pepper | IIHR, Bangalore | Black pepper | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **19** | Demonstration of new black pepper variety Sigandhini - for higher yield | PPV & FRA registered farmers variety | Black pepper | - | 01 | 03 | Group discussion (01)  Advisory services (03)  Field visit (02) |
| **20** | Demonstration on Production performance of Carps in Acidic water bodies | UAS(B) | Carps | - | 01 | 02 | Group discussion (01)  Advisory services (03)  Field visit (02) |

**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** |
| 5 | - | - | - | - | - | - | - | 12 | 6 | 3 | 2 | - | - | - | - |
| 5 | - | - | - | - | - | - | - | 15 | 5 | - | - | - | - | - | - |
| 2 | 1 | 1 | 1 | - | - | - | - | 25 | 6 | 4 | 2 | - | - | - | - |
| - | - | - | - | 10 | - | - | - | 19 | - | 5 | - | - | - | - | - |
| - | - | - | - | 4 | 1 | - | - | 22 | 3 | 2 | - | - | - | - | - |
| - | - | - | - | 5 | - | - | - | 12 | - | 5 | - | - | - | - | - |
| - | - | - | - | 5 | - | - | - | 42 | 5 | 17 | - |  |  |  |  |
| - | - | - | - | - | 19 | - | 6 | 39 | 2 | 10 | 2 | 24 | 8 | - | - |
| - | - | - | - | - | 18 | - | 7 | 22 | 6 | 3 | - | - | - | - | - |
| - | - | - | - | 10 | - | - | - | 28 | 10 | 5 | 3 | 14 | - | 4 | 2 |
| - | - | - | - | 9 | 1 |  |  | 47 | 3 | 2 | 1 | - | - | - | - |
| - | - | - | - | 7 | 1 | 2 |  | 35 | 5 | - | - | - | - | - | - |
| - | - | - | - | 10 | - | - | - | 31 | 4 | - | - | 55 | 30 | 10 | 5 |
| - | - | - | - | 9 |  | 1 |  | 25 | 3 | 5 | 2 | - | - | - | - |
| - | - | - | - | 17 | 3 |  |  | 47 | 12 | 5 | 4 | 23 | - | - | - |
| - | - | - | - | 25 | - | - | - | 55 | 5 | 7 | 2 | 27 | - | 11 | - |
| - | - | - | - | 17 | 2 | 6 |  | 23 | 6 | 5 | 5 | 17 | - | - | - |
| - | - | - | - | 24 | 1 | - | - | 55 | 12 | 4 | 2 | - | 27 | - | 2 |
| - | - | - | - | 9 | 1 | - | - | 15 | 8 | 4 | 3 | - | - | - | - |
| - | - | - | - | 5 | - | - | - | 16 | 5 | 4 | 2 | - | - | - | - |

**PART IV - On Farm Trial**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Integrated Nutrient Management |  | 01 |  |  |  |  |  |  |  | 01 |
| Varietal Evaluation |  | 01 | 01 |  |  |  |  |  |  | 02 |
| 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** |  | **02** | **01** |  |  |  |  |  |  | **03** |

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

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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 | Groundnut | Assessment foliar nutrient management of groundnut through groundnut rich | 05 | 05 | 6.0 |
|  |  |  |  |  |
| Varietal Evaluation | Bengal gram | Assessment of Bengal gram varieties against wilt | 05 | 05 | 3.0 |
| Groundnut | Assessment of Groundnut variety for higher yield | 05 | 05 | 3.0 |
| Integrated Pest Management |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |
|  |  |  |  |  |
| Small Scale Income Generation Enterprises |  |  |  |  |  |
|  |  |  |  |  |
| Weed Management |  |  |  |  |  |
|  |  |  |  |  |
| Resource Conservation Technology |  |  |  |  |  |
|  |  |  |  |  |
| Farm Machineries |  |  |  |  |  |
|  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |
|  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |
|  |  |  |  |  |
| Value addition |  |  |  |  |  |
|  |  |  |  |  |
| Drudgery Reduction |  |  |  |  |  |
|  |  |  |  |  |
| Storage Technique |  |  |  |  |  |
|  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  | **15** | **15** | **12.0** |

**4.B.2. Technologies Refined 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 |  |  |  |  |  |
|  |  |  |  |  |
| 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**

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 |  |  |  |  |
| 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 |  |  |  |  |
| 4 | Value Addition |  |  |  |  |
| 5 | Women Empowerment |  |  |  |  |
| 6 | Others, pl. specify |  |  |  |  |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop/ enterprise** | **Farming situation** | **Problem definition** | **Title of OFT** | **No. of**  **trials** | **Technology Assessed** | **Source of technology** | **Yield** | **Unit of yield** | **Observations other than yield** | **Gross Return Rs. / unit** | **Net Return Rs. / unit** | **BC Ratio (Gross income/ Gross Cost)** |
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 | 11 | 12 | 13 |
| Groundnut | Kharif | * Improper nutrient management * Nutrient deficiency of sulphur, zinc and boron * Low pod yield | Assessment foliar nutrient management of groundnut through groundnut rich | 05 | T.O.1 Farmers Practice-Imbalanced application of fertilizers and no application of micronutrients | - | 13.5 | q/ha | Plant height -42.0 cm  No. of bunches-12.5 | 87750 | 47225 | 2.16 |
| T.O.2 POP: FYM-3 t/ha  25Kg+75 Kg+ 25 Kg NPK/ha  10kg borax +10Kg ZnSO4/ha  Gypsum 500kg/ha  Rhizobium 375 g/ ha + PSB 1 Kg / ha | UAS (B) | 14.5 | q/ha | Plant height -43.2 cm  No. of bunches-12.1 | 94250 | 52425 | 2.25 |
| T.O.3 RDF: Groundnut Rich- (Two foliar sprays –Flowering & pod development stage) | TNAU | 15.8 | q/ha | Plant height -44.1 cm  No. of bunches-14.8 | 122700 | 58375 | 2.31 |
| Bengal gram | Rabi | Incidence of Fusarium wilt and Root rot complex (> 30%) | Assessment of Bengal gram varieties against wilt | 05 | T.O.1 **JG 11**  Early maturity, Resistant to Fusarium wilt, moderately resistant to root rot. Bold seeded, 15-17q/ha, 95-100 days | Farmers practice | 8.5 | t/ha | No. of plants/sq.m – 30.4  Average pods/plant- 34.8 | 49300 | 17825 | 1.5 |
| T.O.2 **BGD 111-1**  Resistant to fusarium wilt, 95 days, 17-22q/ha,  Semi-spreading, medium bold see | UAS, Dharwad | 9.8 | t/ha | No. of plants/sq.m – 30.1  Average pods/plant- - 36.2 | 56840 | 25315 | 1.8 |
| T.O.3 **Super annigeri**  Resistant to fusarium wilt, 90-95days, 20q/ha | UAS, Raichur | 13.75 | t/ha | No. of plants/sq.m – 33.5  Average pods/plant- 48.8 | 79750 | 47030 | 2.4 |
| Groundnut | Kharif | Low yield, pest and disease incidence and  improper nutrient management | Assessment of Groundnut variety for higher yield | 05 | T.O.1 TMV-2 (Spacing 30x10 cm) | Farmers practice | Under progress | | | | | |
| T.O.2 G-2-52 (Spacing 30x10 cm) | UAS, Dharwad |
| T.O.3 Kadiri Lepakshi-K1812 (Spacing 30x10 cm) | ANGRAU, AP |

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 |
|  |  |  |

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

1. Title of Technology Assessed : **Assessment foliar nutrient management of groundnut through groundnut rich**

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 :

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

1. Title of Technology Assessed : Assessment of Bengal gram varieties against wilt

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 :

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

1. Title of Technology Assessed : Assessment of Groundnut variety for higher yield

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 :

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

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

|  |  |  |
| --- | --- | --- |
| 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:

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** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Rainfed | Kharif | Sunflower | KBSH-41 | - | ICM | Sunflower seeds – KBSH-41 | 4.0 | 4.0 | 1 | 9 | - | - |
| 2 | Pulses |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Rainfed | Kharif | Soybean | DSb-21 | - | Varietal evaluation | **Soybean variety - DSb-21**   * FYM-2.5 t/acre * Seed treatment with Rhizobium-200 g/acre +   PSB-200 g/acre   * 10:25:10 N:P2O5:K2O kg/acre * Micronutrients-ZnSO4- 5kg/acre | 4.0 | 4.0 | - | 10 | - | - |
| 3 |  | Irrigated | Rabi | Bengal gram | NBeG 49 | - | ICM | * Nandyal Bengal Gram 49 (NBeG 49) Semi spreading plant type with medium height, tolerant to wilt * *H armigera pheromone traps and* lures * Micronutrient Chickpea special @ 5g/l | 10.0 | 10.0 | 5 | 20 | - | - |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  | Rainfed | Kharif | Paddy | Tunga |  | INM | * 100:50:50 kg NPK/ha * FYM-10t/ha * Azospirillum /PSB-1 kg/ha * ZnSO4 - 20kg/ha * CaCO3-500 kg/ha * ZnSO4 (0.2% spray after 40 days after planting) * Foliar application of 19:19:19 at 10 g/l at maximum tillering stage | 4.0 | 4.0 | - | 20 | - | - |
| 5 |  | Rainfed | Kharif | Maize |  |  | IPDM | * Intercropping Maize with redgram (8:2) * Seed treatment with Cyantraniliprole   19.8 + Thiamethoxam 19.8 FS @ 6 ml/kg   of seeds * Spray of neem oil 10000ppm @ 2 ml/l | 10.0 | 10.0 | - | 25 | - | - |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  | Rainfed | Kharif | Ragi | ML-365 | - | ICM | * Ragi variety ML-365 * Seed treatment with Azospirillum 375 g * FYM-10 t/ha * 50:37:40 Kg N:P2O5:K2O /ha * 4 kg borax +10 Kg ZnSO4/ha | 4.0 | 4.0 | - | 10 | - | - |
| 7 | Vegetables | Irrigated | Rabi | Spine gaurd | Arka Bharath | - | Varietal Evaluation | Arka Bharath 15-16 kg/vine , with medium sized fruit(30 gm), moderatlely tolerant to fruit borer, anthracnose and downy mildew, Harvest: 35-40 days from tubers, 70-80 days from seeds | 6.25 | 6.25 | - | 5 | - | - |
| 8 |  | Irrigaed | Rabi | Cowpea | UAHS-28 | - | Varietal Evaluation | Cowpea variety- Sahyadri Yukhti (UAHS-28) | 4.0 | 4.0 |  |  | - | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | Irrigated | Rabi | Marigold |  |  | DFI | Intercrop of Marigold in Young Arecanut plantation | 2.0 | 2.0 | - | 10 | - | - |
|  | Ornamental |  |  | Flower |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 |  | Irrigated | Rabi | Black pepper | Panniyur-1 |  | IPDM | Neem cake enriched with bio agents  Trichoderma Harzanium @ 10g/kg  ***Pochonia chlamydosporia* 1% W.P @ 10 g/kg**  (Neem cake ½ kg per vine) | 100 vines | 100 vines | - | 25 | - | - |
| 10 |  | Irrigated | Rabi | Black pepper | Sigandhini | - | Varietal evaluation | Demonstration of new black pepper variety Sigandhini - for higher yield | 50 vines | 50 vines | - | 10 | - | - |
| 11 | Commercial | Rainfed | Kharif | Ginger | - | - | INM | Foliar application of micronutrients (5g/l) at 45 days after planting up to 6 month stage of the crop @ 30 Days of Intervals | 4.0 | 4.0 | - | 10 | - | - |
| 12 |  | Rainfed | Kharif | Onion |  |  | ICM | Foliar application of micro nutrients @ 5 g/l at 45 and 60 days after sowing  Spraying of Entamopathogenic fungus ( 10g/l) at 25 days after sowing | 4.0 | 4.0 | 03 | 07 | - | - |
|  | 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Implements |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Others (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Nutri garden | Irrigated | Rabi | Nutri garden |  |  | Nutri garden | Demonstration of green leafy vegetables  Demonstration of vegetables  Planting of bi- annual fruits and vegetables  Planting of perennials | 15002m | 15002m | - | 05 | - | - |
| 14 | Nutri garden | Irrigated | Rabi | Nutri garden |  |  | Nutri garden | Demonstration of green leafy vegetables  Demonstration of vegetables  Planting of bi- annual fruits and vegetables  Planting of perennials | 2502m | 2502m | - | 05 | - | - |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Category** | **Farming**  **Situation** | **Season**  **and**  **Year** | **Crop** | **Variety/ breed** | **Hybrid** | **Thematic area** | **Technology Demonstrated** | **Season and year** | **Status of soil** | | | **Previous crop grown** |
| **N** | **P** | **K** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oilseeds |  |  |  |  |  |  |  |  |  |  |  |  |
| 1 |  | Rainfed | Kharif 2022 | Sunflower | KBSH-41 | - | ICM | Sunflower seeds – KBSH-41 | Kharif 2022 | 273 | 24.7 | 144 | Ragi/Maize |
|  | Pulses |  |  |  |  |  |  |  |  |  |  |  |  |
| 2 |  | Rainfed | Kharif 2022 | Soybean | DSb-21 | - | Varietal evaluation | **Soybean variety - DSb-21**   * FYM-2.5 t/acre * Seed treatment with Rhizobium-200 g/acre +   PSB-200 g/acre   * 10:25:10 N:P2O5:K2O kg/acre * Micronutrients-ZnSO4- 5kg/acre | Kharif 2022 | 282 | 24.1 | 158 | Ragi/Maize |
| 3 |  | Irrigated | Rabi 2022 | Bengal gram | NBeG 49 | - | ICM | * Nandyal Bengal Gram 49 (NBeG 49) Semi spreading plant type with medium height, tolerant to wilt * *H armigera pheromone traps and* lures * Micronutrient Chickpea special @ 5g/l | Rabi 2022 | 280 | 25.8 | 162 | Onion |
|  | Cereals |  |  |  |  |  |  |  |  |  |  |  |  |
| 4 |  | Rainfed | Kharif 2022 | Paddy | Tunga |  | INM | * 100:50:50 kg NPK/ha * FYM-10t/ha * Azospirillum /PSB-1 kg/ha * ZnSO4 - 20kg/ha * CaCO3-500 kg/ha * ZnSO4 (0.2% spray after 40 days after planting) * Foliar application of 19:19:19 at 10 g/l at maximum tillering stage | Kharif 2022 | 268 | 27.5 | 135 | Paddy |
| 5 |  | Rainfed | Kharif 2022 | Maize |  |  | IPDM | * Intercropping Maize with redgram (8:2) * Seed treatment with Cyantraniliprole   19.8 + Thiamethoxam 19.8 FS @ 6 ml/kg   of seeds * Spray of neem oil 10000ppm @ 2 ml/l | Kharif 2022 | 280 | 28.2 | 178 | Vegetables Tomato/Chilli |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 |  | Rainfed | Kharif 2022 | Ragi | ML-365 | - | ICM | * Ragi variety ML-365 * Seed treatment with Azospirillum 375 g * FYM-10 t/ha * 50:37:40 Kg N:P2O5:K2O /ha   4 kg borax +10 Kg ZnSO4/ha | Kharif 2022 | 269 | 24.1 | 155 | Ragi |
| 7 | Vegetables | Irrigated | Rabi 2022 | Spine gaurd | Arka Bharath | - | Varietal Evaluation | Arka Bharath 15-16 kg/vine , with medium sized fruit(30 gm), moderatlely tolerant to fruit borer, anthracnose and downy mildew, Harvest: 35-40 days from tubers, 70-80 days from seeds | Rabi 2022 | 272 | 25.5 | 132 | Fallow |
| 8 |  | Irrigated | Rabi 2022 | Cowpea | UAHS-28 | - | Varietal Evaluation | Cowpea variety- Sahyadri Yukhti (UAHS-28) | Rabi 2022 | 289 | 26.5 | 148 | Paddy |
|  | Flowers |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Ornamental | Irrigated | Rabi 2022 | Marigold |  |  | DFI | Intercrop of Marigold in Young Arecanut plantation | Rabi 2022 | 269 | 24.1 | 155 | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fruit |  |  |  |  |  |  |  |  |  |  |  |  |
| 10 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Spices and condiments | Irrigated | Rabi 2022 | Black pepper | Panniyur-1 |  | IPDM | Neem cake enriched with bio agents  Trichoderma Harzanium @ 10g/kg  *Pochonia chlamydosporia* 1% W.P @ 10 g/kg  (Neem cake ½ kg per vine) | Rabi 2022 | 295 | 27.5 | 175 | Perenial coffee systems |
| 11 |  | Irrigated | Rabi 2022 | Black pepper | Sigandhini |  | Varietal evaluation | Demonstration of new black pepper variety Sigandhini - for higher yield | Rabi 2022 | 295 | 27.5 | 175 | Perenial coffee systems |
| 12 | Commercial | Rainfed | Kharif 2022 | Ginger | Rio-de-generio |  | INM | Foliar application of micronutrients (5g/l) at 45 days after planting up to 6 month stage of the crop @ 30 Days of Intervals | Kharif 2022 | 305 | 24.5 | 192 | Paddy |
| 13 |  | Rainfed | Kharif 2022 | Onion | Sigandhini | - | ICM | Foliar application of micro nutrients @ 5 g/l at 45 and 60 days after sowing  Spraying of Entamopathogenic fungus ( 10g/l) at 25 days after sowing | Kharif 2022 | 269 | 24.1 | 155 |  |
|  | Medicinal and aromatic |  |  |  | - | - |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fodder |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 |  | Irrigated | Rabi 2022 | Nutri Garden |  |  | Nutri garden | Demonstration of green leafy vegetables  Demonstration of vegetables  Planting of bi- annual fruits and vegetables  Planting of perennials | Rabi 2022 | 272 | 26.5 | 151 |  |
| 15 |  | Irrigated | Rabi 2022 | Nutri Garden |  |  | Nutri garden | Demonstration of green leafy vegetables  Demonstration of vegetables  Planting of bi- annual fruits and vegetables  Planting of perennials | Rabi 2022 | 289 | 26.5 | 148 |  |

**5.B. Results of FLDs**

**5.B.1. Crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the technology demonstrated** | **Variety** | **Hybrid** | **Farming situation** | **No. of Demo.** | **Area**  **(ha)** | **Yield (q/ha)** | | |  | **% Increase** | **Economics of demonstration (Rs./ha)** | | | **Economics of demonstration (Rs./ha)** | | |
|  |  |  |  |  |  |  | **Demo** | | | **Check** |  | **Gross**  **Return** | **Net Return** | **BCR** | **Gross**  **Return** | **Net Return** | **BCR** |
|  |  |  |  |  |  |  | **H** | **L** | **A** |  |  |  |  |  |  |  |  |
| Oilseeds | Integrated crop management in Sunflower | KBSH-41 |  | Rainfed | 10 | 4.0 | 22 | 12 | 17 | 16.0 | 6.25 | 98600 | 65100 | 2.94 | 91080 | 59280 | 2.86 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pulses | Demonstration of Soybean variety (DSb-21) | DSb-21 |  | Rainfed | 10 | 4.0 | 10.2 | 6.1 | 7.8 | - | - | 46800 | 17,040 | 2.8 | - | - | - |
|  | Demonstration on Integrated Crop Management in chickpea (NFSM) | NBeG 49 |  | Irrigated | 25 | 10.0 |  |  | 24.1 | 20.5 | 17.56 | 52400 | 39180 | 1.74 | 54375 | 23525 | 1.43 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cereals | Demonstration on nutrient management in Paddy | Tunga |  | Rainfed | 20 | 4.0 |  |  | 13.70 | 12.6 | 8.73 | 62200 | 25000 | 1.67 | 55960 | 20160 | 1.56 |
|  | Demonstration on management of fall army worm (*Spodoptura frugiperda*) in maize |  |  | Rainfed | 25 | 10.0 |  |  | 78.75 | 65 | 21.15 | 165375 | 112375 | 2.12 | 136500 | 85100 | 1.65 |
| Millets | Demonstration on integrated crop management in Ragi | ML-365 |  | Rainfed | 10 | 4.0 |  |  | 13.70 | 12.6 | 8.73 | 44250 | 24750 | 2.27 | 37500 | 19000 | 2.06 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables | Demonstration of Spine gourd variety- Arka Bharath | Arka Bharath |  | Irrigated | 05 | 6.25 |  |  |  |  |  | Under progress | | | | | |
|  | Demonstration of Cow pea (UAHS-28) in Paddy Fallow system | UAHS-28 |  | Irrigated | 10 | 4.0 |  |  |  |  |  | Under progress | | | | | |
| Flowers | Demonstration of Marigold in Young Arecanut based Cropping System |  |  | Irrigated | 10 | 2.0 |  |  |  |  |  | Under progress | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments | Demonstration on Management of slow wilt in Black Pepper | Panniyur-1 |  | Irrigated | 25 | 100 vines |  |  |  |  |  | Under progress | | | | | |
|  | Demonstration of new black pepper variety Sigandhini - for higher yield | Sigandhini |  | Irrigated | 10 | 50 vines |  |  |  |  |  | Under progress | | | | | |
| Commercial | Demonstration on foliar application of Ginger special for higher yield and quality |  |  | Rainfed | 10 | 4.0 |  |  | 57 | 52 | 9.61 | 741000 | 361000 | 1.95 | 676000 | 301000 | 1.80 |
|  | Demonstration on integrated crop management in Onion |  |  | Rainfed | 10 | 4.0 |  |  | 249.2 | 186.37 | 33.71 | 124500 | 81000 | 1.86 | 93000 | 49500 | 1.13 |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) | Demonstration of Nutri - Garden in Schools for nutritional security |  |  | Irrigated | 5 | 1500 m2 |  |  |  |  |  | 34778 | 31890 | 2.57 |  |  |  |
|  | Demonstration of Nutri - Garden for farm Women House holds for nutritional security |  |  | Irrigated | 25 | 250m2 |  |  |  |  |  | 34778 | 31890 | 2.57 |  |  |  |

\* 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** | **Check** | **Demo** |
| **Demonstration on integrated crop management in Ragi** | | |
| Plant height (m) | 66.8 | 81.5 |
| No. of panicles | 3.90 | 6.58 |
| **Demonstration on foliar application of Ginger special for higher yield and quality** | | |
| Number of bunches per plant | 22 |  |
| **Demonstration on integrated crop management in Onion** | | |
| Thrips (number of larva/plant) | 27.42 | 20.70 |
| (number of larva/plant) | 20.70 | 9.33 |
| Bulb Weight (g) | 44.79 | 80.76 |
| **Demonstration on high yielding variety Sunflower** |  |  |
| Plant height (m) | 1.30 | 1.48 |
| Head diameter (mm) | 138 | 162 |
| **Demonstration on nutrient management in Paddy** | | |
| Plant height (m) | 72.5 | 87.2 |
| **Demonstration on management of fall army worm (Spodoptura frugiperda) in maize** | | |
| Number of caterpillars /10 per plant | 6.84 | 0.46 |
| Plant Height (cm) | 45.6 | 50.8 |
| Average number of tillers/plant | 1.0 | 1.4 |

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 |
|  |  |  |

5.B.3. Livestock and related enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Type of livestock** | **Name of the technology demonstrated** | **Breed** | **No. of Demo** | **No.**  **of Units** | **Name of the parameter with unit** | **Yield (kg/animal)** | | | | **% Increase** | **\*Economics of demonstration Rs./unit)** | | | **\*Economics of check**  **(Rs./unit)** | | |
| **Demo** | | | **Check if any** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
|  |  |  |  |  |  | H | L | A |  |  |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  | | | | | | | | | | |
|  |  |  |  |  |  |  | | | | | | | | | | |

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

\*\* BCR= Gross Return/Gross Cost

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

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

5. B4. Feedback on livestock technologies demonstrated

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | High Stocking Density 6 no./m3  Tilapia sp. (*Oreochromis niloticus*) | Tilapia | 05 | 500m2 | Survival percentage, Yield and B:C Ratio | Under Progress | | | | | | | | | | |
|  | Fish culture in acidic water bodies  Common corp & Grass corp **(3:1)** | Common corp & Grass corp | 05 | 500m2 | Water quality : pH, temperature, hardness etc., Survival percentage, Yield and B:C Ratio | Under Progress | | | | | | | | | | |

\* 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

|  |  |  |
| --- | --- | --- |
| 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) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= Gross Return/Gross Cost

H-High L-Low, A-Average

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

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

5. 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 |
|  |  |  |

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 organized** | **Number of participants** | **Remarks** |
| 1 | Field days | 14 | 429 |  |
| 2 | Farmers Training | 51 | 1993 |  |
| 3 | Media coverage | 112 | - |  |
| 4 | Training for extension functionaries | - | - |  |
| 5 | Others (Please specify) | - | - |  |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS**

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Type of Breed | Name of the technology demonstrated | Name of the hybrid | No. of Demo | Area (ha) | Yield (q/ha) | | | | % Increase | \*Economics of demonstration (Rs./ha) | | | \*Economics of check  (Rs./ha) | | |
| Demo | | | Check | Gross  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 |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 2 | 35 | 8 | 43 | 3 |  | 3 | 38 | 8 | 46 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Integrated farming system | 5 | 36 | 36 | 72 | 13 | 14 | 27 | 49 | 50 | 99 |
| Farmers producers Organization | 1 | 11 | 9 | 20 | 5 |  | 5 | 16 | 9 | 25 |
| Release of success stories of Doubling of farmers income | 2 | 49 | 9 | 58 | 11 | 12 | 23 | 60 | 21 | 81 |
| Climate smart agriculture | 3 | 34 | 33 | 67 | 13 | 13 | 26 | 47 | 46 | 93 |
| Production techniques | 2 | 28 | 13 | 41 | 8 | 4 | 12 | 40 | 17 | 57 |
| Kisan Samman Sammelan | 1 | 57 | 15 | 72 | 54 | 6 | 30 | 81 | 21 | 102 |
| Agriculture & sub-agriculture occupation | 1 | 9 | 17 | 26 | 3 | 7 | 10 | 12 | 24 | 36 |
| Conservatioon of Energy in agriculture | 2 | 40 | 21 | 61 | 14 | 9 | 23 | 54 | 30 | 84 |
| Organic farming | 1 | 9 | 17 | 26 | 3 | 7 | 10 | 12 | 24 | 36 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation | 01 | 13 | 6 | 19 |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| IIHR technologies | 01 | 22 | 3 | 25 | 10 |  | 10 | 32 | 3 | 35 |
| Nutri garde | 01 | 6 | 15 | 21 | 2 | 7 | 9 | 21 | 9 | 30 |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit | 01 | 17 | 7 | 24 | 7 | 3 | 10 | 24 | 10 | 34 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Scientific production technology of butter fruit | 1 | 33 | 15 | 48 |  |  |  | 33 | 15 | 48 |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Organic fertilizers in horticulture crops | 01 |  | 27 | 27 |  | 11 | 11 | 38 |  | 38 |
| ICM in coffee & pepper | 01 | 10 | 2 | 12 |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 01 | 11 | 3 | 14 |  |  |  | 11 | 3 | 14 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Intercropping of marigold in arecanut |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |
| Integrated water management |  |  |  |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers |  |  |  |  |  |  |  |  |  |  |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Vermi composting and its importance | 01 |  |  | 21 |  | 9 | 9 |  | 30 | 30 |
| Composting from areca husk | 01 |  | 17 | 17 |  | 8 | 8 |  | 27 |  |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products | 02 | 42 | 4 | 46 | 13 |  | 13 | 55 | 4 | 59 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Clean milk production and disease transmitted from cattle to man | 01 | 9 | 8 | 17 | 4 |  | 4 | 13 | 8 | 21 |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 01 |  | 18 | 18 |  | 8 | 8 |  | 26 | 26 |
| Women empowerment | 2 | 10 | 50 | 60 |  | 22 | 22 | 10 | 72 | 82 |
| Location specific drudgery production |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation | 03 | 24 | 49 | 73 | 7 | 15 | 22 | 31 | 64 | 95 |
| Importance of agriculture for school children | 01 | 17 | 15 | 32 |  |  |  | 17 | 15 | 32 |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Use of fibre poles in harvesting Arecanut | 01 | 7 | 28 | 35 | 3 | 12 | 15 | 10 | 40 | 50 |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 03 | 31 | 49 | 80 | 12 | 20 | 32 | 43 | 69 | 112 |
| Integrated Disease Management | 01 | 16 | 10 | 26 | 7 | 4 | 11 | 23 | 14 | 37 |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Scientific bee keeping | 02 | 41 | 23 | 64 | 16 | 8 | 24 | 57 | 31 | 88 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **CapacityBuilding and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies | 01 | 13 | 20 | 33 | 6 | 8 | 14 | 19 | 28 | 47 |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **46** | **595** | **539** | **1155** | **211** | **207** | **388** | **808** | **710** | **1491** |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |
| Micro Irrigation/Irrigation |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 03 | 74 | 18 | 92 | 24 | 7 | 31 | 98 | 25 | 23 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 01 | 15 | 1 | 16 | 7 |  | 7 | 22 | 1 | 23 |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Farmers producers organization | 1 | 15 | 4 | 19 | 6 |  | 6 | 25 |  | 25 |
| Importace of cluster villages and its uses | 1 | 17 | 10 | 27 |  |  |  | 17 | 10 | 27 |
| Conservation of energy in agriculture | 2 | 49 | 3 | 52 | 21 |  | 21 | 70 | 3 | 73 |
| Micro nutrient management in paddy | 1 | 18 | 4 | 22 |  |  |  | 18 | 4 | 22 |
| Production techniques of horse gram | 1 | 9 |  | 9 | 4 |  | 4 | 13 |  | 13 |
| Importance and role of minormillets | 1 | 12 | 6 | 18 | 5 | 3 | 8 | 17 | 9 | 26 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |  |  |
| Production of low value and high volume crop |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Importance of micro nutrients in ginger | 01 | 12 | 01 | 13 |  |  |  | 12 | 01 | 13 |
| Production techniques in vegetable crops | 01 | 12 |  | 12 | 5 | 4 | 9 | 17 | 4 | 21 |
| ICM in onion | 01 | 10 |  | 10 |  |  |  | 10 |  | 10 |
| **b) Fruits** |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Production techniques of Cocoa crop | 01 | 11 | 2 | 13 | 5 |  | 5 | 16 | 2 | 18 |
| Production techniques of exotic fruits (Avacado , litchi and dragon) | 02 | 46 | 8 | 54 | 21 |  | 21 | 67 | 8 | 75 |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 04 | 71 | 31 | 102 | 28 | 11 | 39 | 99 | 42 | 141 |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| National coconut day | 01 | 42 | 10 | 52 | 18 | 5 | 23 | 60 | 15 | 75 |
| **e) Tuber crops** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Soil Health and Fertility Management** |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management | 01 | 14 | 3 | 17 |  |  |  | 14 | 3 | 17 |
| Integrated water management | 01 |  |  |  | 7 | 13 | 20 | 7 | 13 | 20 |
| Integrated nutrient management | 07 | 112 | 9 | 121 | 34 |  | 34 | 146 | 9 | 154 |
| Production and use of organic inputs | 01 | 7 | 4 | 11 | 3 | 2 | 5 | 10 | 6 | 16 |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |
| Nutrient use efficiency |  |  |  |  |  |  |  |  |  |  |
| Balanced use of fertilizers | 01 | 36 | 6 | 42 |  |  |  | 36 | 6 | 42 |
| Soil and water testing |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Preparation of compost from Areca husk | 06 | 93 | 3 | 96 | 23 | 6 | 29 | 116 | 9 | 125 |
| Management of Acid soil | 01 | 18 | 6 | 24 | 8 | 2 | 10 | 26 | 8 | 34 |
| **Livestock Production and Management** |  |  |  |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  |  |  |  |  |
| Poultry Management | 2 | 23 | 16 | 39 | 10 | 4 | 14 | 33 | 20 | 53 |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  |  |  |  |  |
| Animal Nutrition Management |  |  |  |  |  |  |  |  |  |  |
| Animal Disease Management |  |  |  |  |  |  |  |  |  |  |
| Feed and Fodder technology |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Home Science/Women empowerment** |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |
| Processing and cooking |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |
| Value addition | 02 | 82 | 12 | 94 | 34 | 6 | 40 | 116 | 18 | 134 |
| Women empowerment |  |  |  |  |  |  |  |  |  |  |
| Location specific drudgery production |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation | 01 | 21 | 13 | 34 |  |  |  | 21 | 13 | 34 |
| Self employment activities for unemployed women in self help group | 01 | 4 | 2 | 7 |  | 8 | 8 | 4 | 11 | 15 |
| **Agril. Engineering** |  |  |  |  |  |  |  |  |  |  |
| Farm machinery and its maintenance |  |  |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Plant Protection** |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 13 | 345 | 43 | 388 | 146 | 10 | 156 | 491 | 53 | 544 |
| Integrated Disease Management | 12 | 318 | 32 | 350 | 152 | 9 | 161 | 470 | 41 | 511 |
| Bio-control of pests and diseases | 01 | 12 | 1 | 13 | 5 |  | 5 | 17 | 1 | 18 |
| Production of bio control agents and bio pesticides |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| Bee keeping | 02 | 48 | 3 | 51 | 20 |  | 20 | 68 | 3 | 71 |
| **Fisheries** |  |  |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |
| Mushroom production |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **CapacityBuilding and Group Dynamics** |  |  |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 01 | 24 | 2 | 26 |  |  |  | 24 | 2 | 26 |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **Agro-forestry** |  |  |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **75** | **1570** | **253** | **1824** | **586** | **90** | **676** | **2160** | **340** | **2399** |

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

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

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

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | | | |
| **General** | | | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | | **Total** | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Productivity enhancement in field crops |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  | |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  | |  | |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  | |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  | |  | |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  | |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  | |  | |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  | |  | |  |  |  |  |  |  |  |
| Women and Child care |  |  | |  | |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  | |  | |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  | |  | |  |  |  |  |  |  |  |
| Information networking among farmers |  |  | |  | |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  | |  | |  |  |  |  |  |  |  |
| Management in farm animals |  |  | |  | |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  | |  | |  |  |  |  |  |  |  |
| Household food security |  |  | |  | |  |  |  |  |  |  |  |
| Any other (pl.specify) |  |  | |  | |  |  |  |  |  |  |  |
| DAESI inaugural programme | 02 | 73 | | 23 | | 96 | 32 | 2 | 34 | 105 | 25 | 130 |
| Release of success stories of Doubling of farmers income | 01 | 27 | | 9 | | 36 | 11 | 3 | 14 | 38 | 12 | 50 |
| **Total** | **03** | **100** | | **32** | | **132** | **43** | **5** | **48** | **143** | **37** | **180** |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | | | |
| **General** | | | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | | **Total** | | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Productivity enhancement in field crops |  |  | |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 02 | 62 | | 7 | | 69 | 29 | 3 | 32 | 91 | 10 | 101 |
| 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** | **02** | **62** | | **7** | | **69** | **29** | **3** | **32** | **91** | **10** | **101** |

7.G. Sponsored training programmes conducted

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Increasing production and productivity of crops |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial production of vegetables |  |  |  |  |  |  |  |  |  |  |
| **2** | **Production and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Fruit Plants |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Ornamental plants |  |  |  |  |  |  |  |  |  |  |
| 2.c. | Spices crops |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Soil health and fertility management** |  |  |  |  |  |  |  |  |  |  |
| **4** | **Production of Inputs at site** |  |  |  |  |  |  |  |  |  |  |
| **5** | **Methods of protective cultivation** |  |  |  |  |  |  |  |  |  |  |
| **6** | **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) |  |  |  |  |  |  |  |  |  |  |
|  | Agricultural Livelihood Community to Resource Persons (Krishi Sakhi) on “Agricultural Methods”. | 03 | - | - | - | 63 | 27 | 90 | - | 90 | 90 |
|  | **Total** | **03** | **-** | **-** | **-** | **63** | **27** | **90** | **-** | **90** | **90** |

**Details of sponsoring agencies involved**

**1.** Coconut Development Board, Bengaluru

**2.** National Rural Livelihood Mission, Chikkamagaluru

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

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** |  |  |  |  |  |  |  |  |  |  |
| 1.a. | Commercial floriculture |  |  |  |  |  |  |  |  |  |  |
| 1.b. | Commercial fruit production |  |  |  |  |  |  |  |  |  |  |
| 1.c. | Commercial vegetable production |  |  |  |  |  |  |  |  |  |  |
| 1.d. | Integrated crop management |  |  |  |  |  |  |  |  |  |  |
| 1.e. | Organic farming |  |  |  |  |  |  |  |  |  |  |
| 1.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **2** | **Post harvest technology and value addition** |  |  |  |  |  |  |  |  |  |  |
| 2.a. | Value addition |  |  |  |  |  |  |  |  |  |  |
| 2.b. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **3.** | **Livestock and fisheries** |  |  |  |  |  |  |  |  |  |  |
| 3.a. | Dairy farming |  |  |  |  |  |  |  |  |  |  |
| 3.b. | Composite fish culture |  |  |  |  |  |  |  |  |  |  |
| 3.c. | Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |
| 3.d. | Piggery |  |  |  |  |  |  |  |  |  |  |
| 3.e. | Poultry farming |  |  |  |  |  |  |  |  |  |  |
| 3.f. | Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
| **4.** | **Income generation activities** |  |  |  |  |  |  |  |  |  |  |
| 4.a. | Vermi-composting |  |  |  |  |  |  |  |  |  |  |
| 4.b. | Production of bio-agents, bio-pesticides,  bio-fertilizers etc. |  |  |  |  |  |  |  |  |  |  |
| 4.c. | Repair and maintenance of farm machinery  and implements |  |  |  |  |  |  |  |  |  |  |
| 4.d. | Rural Crafts |  |  |  |  |  |  |  |  |  |  |
| 4.e. | Seed production |  |  |  |  |  |  |  |  |  |  |
| 4.f. | Sericulture |  |  |  |  |  |  |  |  |  |  |
| 4.g. | Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| 4.h. | Nursery, grafting etc. |  |  |  |  |  |  |  |  |  |  |
| 4.i. | Tailoring, stitching, embroidery, dying etc. |  |  |  |  |  |  |  |  |  |  |
| 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) |  |  |  |  |  |  |  |  |  |  |
|  | Agriculture solid waste management | 05 |  | 101 | 101 |  | 47 | 47 |  | 148 | 148 |
|  | **Grand Total** | **05** |  | **101** | **101** |  | **47** | **47** |  | **148** | **148** |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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 | 8580 | - | - | - | - | - | - | - | - | - |
| Farmers visit to KVKs | 1710 | - | - | - | - | - | - | - | - | - |
| Lectures delivered as resource persons | 25 | - | - | - | - | - | - | - | - | - |
| Diagnostic Visits | 05 | - | - | - | - | - | - | - | - | - |
| Field Days | 17 | 352 | 102 | 454 | 96 | 15 | 111 | 5 | 2 | 7 |
| Group discussions/ meetings | 1012 | - | - | - | - | - | - | - | - | - |
| Kisan Gosthies | 08 | - | - | - | - | - | - | - | - | - |
| Film Shows | 06 | - | - | - | - | - | - | - | - | - |
| Self help group meetings | 2 | - | - | - | - | - | - | - | - | - |
| Mahila mandals meetings | - | - | - | - | - | - | - | - | - | - |
| Kisan Melas | 8 | - | - | - | - | - | - | - | - | - |
| Exhibitions | 05 | - | - | - | - | - | - | - | - | - |
| Scientist visit to farmers fields | 97 | - | - | - | - | - | - | - | - | - |
| Soil health camps | - | - | - | - | - | - | - | - | - | - |
| Animal health camps | 03 | - | - | - | - | - | - | - | - | - |
| Plant health camps | - | - | - | - | - | - | - | - | - | - |
| Farm Science Club meetings | - | - | - | - | - | - | - | - | - | - |
| Ex-trainees Sammelans | - | - | - | - | - | - | - | - | - | - |
| Farmers seminars | 07 | - | - | - | - | - | - | - | - | - |
| Workshops | 07 | 695 | 72 | 767 | 21 | 25 | 46 | 15 | 8 | 23 |
| Method Demonstrations | 22 | - | - | - | - | - | - | - | - | - |
| **Celebration of important days** |  |  |  |  |  |  |  |  |  |  |
| World Environment Day | 01 | 22 | 9 | 31 | 14 | 2 | 16 | 4 | 3 | 7 |
| Parthenium eradication Week | 01 | 35 | 12 | 47 | 17 | 11 | 28 | 3 | 2 | 5 |
| Nutrition campaign and sapling distribution programme | 01 | 49 | 27 | 76 | 17 | 8 | 25 | 4 | - | 4 |
| Corruption Eradication Day | 01 | 9 | 5 | 14 | 2 | - | 2 | 3 | 2 | 5 |
| Conscious Awareness Week | 01 | 418 | 152 | 540 | 89 | 31 | 120 | 4 | 2 | 6 |
| World Food Day | 01 | 38 | 19 | 57 | 9 | 5 | 14 | 3 | 2 | 5 |
| World Soil Day | 01 | 39 | 11 | 50 | - | - | - | 12 | 6 | 18 |
| Farmer's Day | 01 | 36 | 5 | 41 | 4 | - | 4 | 5 | 2 | 7 |
| Agricultural Women's Day | 01 | 22 | 15 | 37 | 1 | - | 1 | 3 | 2 | 5 |
| A village sports meeting in a muddy field | 01 | 99 | 26 | 125 | 74 | 16 | 90 | 3 | 2 | 5 |
| International Pulses Day | 01 | 17 | 9 | 26 | 9 | 3 | 12 | 3 | 2 | 5 |
| Exposure visits | 10 | 198 | 65 | 233 | 98 | 32 | 130 | 12 | 2 | 14 |
| Others, Please specify |  |  |  |  |  |  |  |  |  |  |
| **Total** | **11535** | **2029** | **529** | **2498** | **451** | **148** | **599** | **79** | **37** | **116** |

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

|  |  |  |
| --- | --- | --- |
| Sl. No. | **Type of media/activity** | **Number of activities/Number** |
| 1 | Popular articles | 09 |
| 2 | Newspaper coverage | 190 |
| 3 | Extension Literature | 61 |
| 4 | Radio Talks | 28 |
| 5 | TV Talks | 09 |
| 6 | CD/DVD/Video clips | 06 |
| 7 | Animal health camps (no. of animal treated) | 03 |
| 8 | Others, please specify |  |
|  | **Total** | **303** |

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 |  |  |  |  |  |
| Vegetable seedlings |  |  |  |  |  |
| Fruits |  |  |  |  |  |
|  | Lichee seedlings |  | 5 | 75 | 3 |
|  | Mango grafted seedlings |  | 1 | 75 | 1 |
|  | Jamoon seedlings |  | 5 | 400 | 4 |
|  | Avacado seedlings |  | 2 | 80 | 2 |
| Ornamental plants |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |
| Plantation |  |  |  |  |  |
|  | Arecanut saplings |  | 5745 | 143625 | 25 |
|  | Coffee saplings |  | 951 | 5706 | 14 |
|  |  |  |  |  |  |
| Spices |  |  |  |  |  |
|  | Pepper saplings |  | 6137 | 80070 | 39 |
|  | Cardamom saplings |  | 2548 | 38080 | 22 |
|  | Cinnamon seedlings |  | 25 | 375 | 15 |
|  | Cardamom suckers |  | 450 | 6750 | 12 |
| Tuber |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |
| Forest Species |  |  |  |  |  |
|  | Grazing guinea root slips |  | 1000 | 1000 | 10 |
| Others(specify) |  |  |  |  |  |
| **Total** |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 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 | PSB | 2 | 200 | 2 |
|  | Waste Decomposer | 83 | 8460 | 14 |
|  | Ginger special | 16 | 4000 | 4 |
|  | Cardamom Special | 20 | 5000 | 5 |
| Bio-pesticide | Pseudomonas | 211 | 21100 | 10 |
| Bio-fungicide | Trichoderma | 320 | 32000 | 22 |
|  |  |  |  |  |
| Bio Agents | A.M.C | 140 | 51900 | 31 |
|  | VAM | 7 | 840 | 3 |
| Others (specify) |  |  |  |  |
| **Total** |  | **799** | **52740** | **81** |

# 9.D. Production of livestock

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Particulars of Livestock | **Name of the breed** | **Number** | **Value (Rs.)** | **Number of farmers to whom provided** |
| **Dairy animals** |  |  |  |  |
| Cows |  |  |  |  |
| Buffaloes |  |  |  |  |
| Calves |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Poultry** |  |  |  |  |
| Broilers |  |  |  |  |
| Layers | Poultry chicks | 842 | 86260 | 34 |
| Duals (broiler and layer) |  |  |  |  |
| Japanese Quail |  |  |  |  |
| Turkey |  |  |  |  |
| Emu |  |  |  |  |
| Ducks |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |
| **Piggery** |  |  |  |  |
| Piglet | Piglet | 37 | 133500 | 5 |
|  | Pigs (kg) | 336 | 57120 | 4 |
| Others (Pl.specify) |  |  |  |  |
| **Fisheries** |  |  |  |  |
| Fingerlings | Fingerlings |  | 150 | 2 |
| Others (Pl. specify) |  |  |  |  |
|  | Egg | 1277 | 10419 | 85 |
|  | Hen (kg) | 12.35 | 3913 | 6 |
|  | BV380 | 96 | 46000 | 27 |
|  | Goat (kg) | 87 | 30450 | 3 |
|  | Goat | 3 | 7000 | 2 |
| **Total** |  | **2255 no. & 435.35** | **374812** | **163** |

**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: 2009 Periodicity:\_ quarterly Copies printed in each issue: 400

**(ii) Summary of Literature developed/published**

|  |  |
| --- | --- |
| **Item** | **Number** |
| Research papers- International |  |
| Research papers- National |  |
| Technical reports |  |
| Technical bulletins |  |
| Popular articles - English | 02 |
| Popular articles – Local language | 07 |
| Extension literature | 61 |
| Others if any |  |

**(iii) Details of Literature developed/published**

1. **Folder**
2. Girish, R., A. T. Krishnamurthy., Satish, N and Shruthi H R., 2022. Natural farming & its principles
3. Girish R, Krishnamurthy A T., Satish, N and Shruthi H R., 2022, **Jeevamrutha**

**b) Technical bulletin**

1. Girish R, Krishnamurthy A T., and Shruthi H R., 2023. Natural farming

**c) Training Manuals developed**

1. Girish, R, Krishnamurthy, A. T, and Shruthi H R., 2023. Natural farming,
2. Krishnamurthy, A. T, Girish, R, and Kerthishankar. 2022. Skill development training programmes in agriculture.Krishi Vigyan Kendra, Chikkamagaluru District

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

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | **Type of media** | **Title** | **Details** |
| 1 | CD / DVD | **Multi storied cropping system** | **Coffee, Pepper, guava** |
| 2 | Mobile Apps |  |  |
| 3 | Social media groups with KVK as Admin | **Mushroom production marketing**  **Poultry production and marketing**  **DAMU Agro advisory** | **Whats app group – 92 groups (62180 group members)** |
| 4 | Facebook account name | [**kvkmudigere@gmail.com**](mailto:kvkmudigere@gmail.com) | **Face book account** |
| 5 | Instagram account name |  |  |
| 6 | Others if any |  |  |
|  | **KVK website** | [**http://kvkck.uahs.edu.in**](http://kvkck.uahs.edu.in) | **25258 hits** |
|  | **KVK You tube channel** | [**https://www.youtube.com/results?search\_query=kvk+mudigere**](https://www.youtube.com/results?search_query=kvk+mudigere) | **805 subscribers** |
|  | **KVK twitter** |  |  |

**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).**

**Name of the Farmer: Mr. V. R. Chandrashekhar**

**Address:** Vallikudige(v),

Kalsa, Mudigere,

 Chikkamagaluru(Mobile No.:6361215961)

**Age:** 42 years

**Education:** PUC

**Landholding:** 5 acres

**Farming experience:** 20 years

**Crops grown:** Coffee, Arecanut, Black pepper, Paddy

**Subsidiary occupation:** Honey bee keeping

**Livestock:** 3 Cows

**Background and Intervention:** Mr. V. R. Chandrashekhar, a farmer with traditional cultivation of Coffee, Arecanut, Black pepper, Paddy. Later started beekeeping in 2015 with 6 bee colonies spending Rs. 30,000/- after attending short term certificate training course at KVK.

**Social recognition**: Bee Keeper

* Started beekeeping in 2015 with 6 bee colonies spending Rs. 30,000/- after attending short term training course at KVK.
* Gradually increased the number and now having a total of 100 bee boxes.
* Selling of honey bee colony to the neighbouring districts of Udupi, Hassan and Shivamogga.
* Also started stingless bees maintaining about 80 colonies and harvesting honey used for ayurvedic purposes.
* Annual income from beekeeping is about Rs. 5.0 lakh
* Other farm related activities are cultivation of Coffee, Pepper and Arecanut

**Photos**





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

* 1. Fixation of boards to farm, to convert farm as a instructional farm which made transfer of technology very easy
  2. **Demonstration** **of** **Blast resistant paddy variety:** Chikkamagalur district covers paddy area in high rainfall zone which is hot spot for blast disease infesting upto 40%. KVK Mudigere intervened in demonstration of innovative technology blast resistance paddy variety KHP-13 in collaboration with state department of agriculture and NGO’s organized training programmes, demonstrations and FFS in different villages of the zone and recommended for seed treatment with carbendazim and spraying of crop with tricyclazole at 0.6 g/liter of water for blast management.
  3. **Foliar application of micronutrients**: Spraying of banana special & pepper special was demonstrated in hill zone of Chikmagalur district which resulted in large scale adoption by farmers which showed an increase in yield by 65 per cent (recorded an yield of 360 t/ha and 3.4 q/ha in banana and pepper respectively).
  4. **Demonstration of arka microbial consortium as a bioagents in pepper crop for disease management:** Wilt disease is a major pepper disease in mudigere area resulting in severe death of vines. Panniyur 1 is commonly grown in district which is susceptible to wilt and it needs intense research. Use of arka microbial consortium has a bioagents along with FYM resulted in suppression of quick wilt in black pepper, as a result which made farmers keener in application of bio control agent which leads to more number of plant stand. (Yield 344kg/ha and % disease incidence in 12% before application and 5% after application of bioagents)
  5. **Demonstration of pheromone traps in pest management**: Recently infested crop pests in crops like tomato (*Tuta Absoluta*) and maize (fall army worm) were easily managed by use of traps which are eco-friendly.
  6. Seed treatment of maize with Cyantri + Thiamethoxam : Manages the pest incidence up to 30 days of sowing.

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 | Pomegranate | Use of ripened banana | As a attractant for management of fruit sucking moth |  |
| 2 | Paddy | Application of ash | For management of cut worm in paddy |  |
| 3 | Paddy | Calotropies (yekka) branches are placed at the water inlet | Acts as a insect repellent |  |
| 4 | Paddy/Ragi | Seedlings were transplanted equi distance at spacing of 22.5 x 22.5cm | It facilitates intercultivation in both directions, conserves moisture, controls weeds and enhance tillering |  |
| 5 | Ragi | Sowing seeds mixed with FYM | It ensures better moisture and nutrient supply and reduces seed rate and finally lesser cost of production |  |
| 6 | Bengal gram | Coriander sowing before planting of main crop | Act as a trap crop to avoid pest & disease |  |
| 7 | Sunflower | Seeds soaked in sour butter milk before sowing | It acts as a growth promoter |  |
| 8 | Coconut | Application of common salt | Cost effective substitute for potash and also acts as on insect repellent |  |
| 9 | Coconut | Root feeding with neem oil | Reduce stem bleeding |  |
| 10 | Coconut | Burrying kalli plants at the base of coconut palm | Reduce stem bleeding |  |
| 11 | Arecanut | Application of Tank silt @ 50ton/ha | Supply nutrient to crop |  |
| 12 | Vegetable garden | Maize is grown around vegetable garden | Physical barrier to cattle and acts as a trap crop for insects |  |
| 13 | Redgram | Redgram is mixed with castor oil and stored in earthen vessel | Physical barrier to pests |  |
| 14 | Perennial crops | Ragi husk, coconut front and husk are used as mulch | Check evaporation and weed growth |  |
| 15 | Cattle | Mosquito repellent coil | An admixture of cow dung, paddy husk, turmeric powder, neem leaves, drum stick leaves and dried local tree leaves were moulded into a shape of mosquito coil which when lit upon acts as a mosquito repellent in house/cow shed. |  |
| 16 | Cattle | Pressure washing in cows using vehicle washing jet | To eliminate ectoparasites on cattle and to avoid skin fungus, dirt etc. |  |

10 F. Technology Week celebration:

Period of observing Technology Week: From 26-12-2022 to 30-12-2022

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 | 05 | 186 | Mushroom, Soil & water testing, vermi composting, fisheries, value addition, apiculture |
| Exhibition | 06 | 155 | Pepper, soil, field crops |
| Film show | 03 | 110 | Soil analysis, mushroom cultivation |
| Fair | 01 | 38 | Animal health camp |
| Farm Visit | - | - |  |
| Diagnostic Practicals | - | - |  |
| Supply of Literature (No.) | 228 | 230 |  |
| 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 | - | 180 |  |

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

**PART XI – SOIL AND WATER TEST**

**11.1 Soil and Water Testing Laboratory**

A. Status of establishment of Lab : Working in good condition

1. Year of establishment : 2005-06

2. List of equipments purchased with amount :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost | Status |
| 1 | PH meter & EC bridge | 1 | 16,269-00 | Good |
| 2 | Physical balance  Hot air oven  Magnetic stirrer  Top loading balance  Rotary shaker  Double glass distillation unit | 1 | 1,66,107-00 | Good |
| 3 | Flame photometer | 1 | 38,720-00 | Good |
| 4 | Spectrophotometer | 1 | 46,200-00 | Good |
| 5 | Refrigerator  Stabilizer  Deluxe stand  Mixer | 1 | 18,580-00 | Good |
| 6 | Electronic automatic KEL PLUS Microprocessor based six place macro black digestion system  Electronic KEL PLUS microprocessor automatic distillation system  Electronic acid neutralizer scrubber | 1 | 1,67,709-00 | Good |
| 7 | Soil sampling post hole auger 50mm dia | 1 | 915-00 | Good |
| 8 | Soil auger screw type 50mm dia | 1 | 915-00 | Good |
| 9 | Tube auger 50mm | 1 | 871-00 | Good |
| 10 | 200mm dia PVC FRP ducting from fume cupboard to blower with 1 no 2 HP PVC FRP blower with NGEF motor and L&T starter | 1 | 20,250-00 | Good |
| 11 | 6mm thickness FRP fume cupboard with FRP framed suffex glass shutters with up and down movement mechanism | 1 | 41,625-00 | Good |
| 10 | Hot plate rectangular type with size-18“x12” thermostatic control, stainless steel top. | 1 | 10,800-00 | Good |
| 11 | Steel Almera & Rack | 1 | 16,600-00 | Good |
| 12 | Steel Almera & Rack | 1 | 5,800-00 | Good |
| 13 | Atomic absorption spectrophotometer | 1 | 14,18,500-00 | Good |
| 14 | Water distillation unit | 1 | 1,62,241-00 | Good |
| 15 | EC meter | 1 | 68,146-00 | Good |
| 16 | pH meter | 1 | 31,624-00 | Good |
| 17 | Nitrogen distillation | 1 | 2,98,994-00 | Good |
| 18 | Spectrophotometer | 1 | 4,70,230-00 | Good |
| Total | |  | 28,01,098-00 |  |

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 | 6083 | 1354 | 1354 | 574945 |
| Water Samples | 445 | 346 | 346 | 38250 |
| Plant samples | 14 | 1 | 1 | 2800 |
| Manure samples | 48 | 27 | 22 | 2500 |
| Others (specify) |  |  |  |  |
| Pulping compost | 9 | 1 | 1 | 9000 |
| Lime | 864 | 713 | 713 | 98830 |
| Dolamite | 19 | 11 | 11 | 2850 |
| Vermi compost | 2 | 1 | 1 | 100 |
| Total | 7484 | 2454 | 2449 | 729275 |

C. Details of samples analyzed:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 1,125 | 144 | 144 | 168750 |
| Water Samples | 102 | 37 | 37 | 5550 |
| Plant samples |  |  |  |  |
| Manure samples |  |  |  |  |
| Others (specify) |  |  |  |  |
| Lime | 117 | 91 | 91 | 17550 |
| Total | 1,344 | 272 | 272 | 191850 |

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 |  |  |  |  |  |
|  | 01/01/2022 | 1 | 1 | 6 | 6 |
|  | 01/01/2022 | 1 | 1 | 10 | 10 |
|  | 03/01/2022 | 1 | 1 | 1 | 1 |
|  | 10/01/2022 | 1 | 1 | 1 | 1 |
|  | 10/01/2022 | 1 | 1 | 5 | 5 |
|  | 10/01/2022 | 1 | 1 | 1 | 1 |
|  | 10/01/2022 | 1 | 1 | 1 | 1 |
|  | 10/01/2022 | 1 | 1 | 4 | 4 |
|  | 12/01/2022 | 1 | 1 | 5 | 5 |
|  | 13/01/2022 | 1 | 1 | 54 | 54 |
|  | 12/01/2022 | 1 | 1 | 1 | 1 |
|  | 12/01/2022 | 1 | 1 | 39 | 39 |
|  | 12/01/2022 | 1 | 1 | 17 | 17 |
|  | 12/01/2022 | 1 | 1 | 3 | 3 |
|  | 14/01/2022 | 1 | 1 | 10 | 10 |
|  | 14/01/2022 | 1 | 1 | 3 | 3 |
|  | 14/01/2022 | 1 | 1 | 4 | 4 |
|  | 14/01/2022 | 1 | 1 | 1 | 1 |
|  | 17/01/2022 | 1 | 1 | 9 | 9 |
|  | 18/01/2022 | 1 | 1 | 20 | 20 |
|  | 18/01/2022 | 1 | 1 | 1 | 1 |
|  | 19/01/2022 | 1 | 1 | 1 | 1 |
|  | 19/01/2022 | 1 | 1 | 2 | 2 |
|  | 19/01/2022 | 1 | 1 | 1 | 1 |
|  | 20/01/2022 | 1 | 1 | 9 | 9 |
|  | 20/01/2022 | 1 | 1 | 1 | 1 |
|  | 20/01/2022 | 1 | 1 | 5 | 5 |
|  | 21/01/2022 | 1 | 1 | 5 | 5 |
|  | 20/01/2022 | 1 | 1 | 1 | 1 |
|  | 25/01/2022 | 1 | 1 | 3 | 3 |
|  | 25/01/2022 | 1 | 1 | 1 | 1 |
|  | 25/01/2022 | 1 | 1 | 1 | 1 |
|  | 25/01/2022 | 1 | 1 | 1 | 1 |
|  | 27/01/2022 | 1 | 1 | 1 | 1 |
|  | 01/02/2022 | 1 | 1 | 3 | 3 |
|  | 01/02/2022 | 1 | 1 | 3 | 3 |
|  | 04/02/2022 | 1 | 1 | 2 | 2 |
|  | 04/02/2022 | 1 | 1 | 9 | 9 |
|  | 07/02/2022 | 1 | 1 | 1 | 1 |
|  | 08/02/2022 | 1 | 1 | 1 | 1 |
|  | 08/02/2022 | 1 | 1 | 1 | 1 |
|  | 10/02/2022 | 1 | 1 | 1 | 1 |
|  | 11/02/2022 | 1 | 1 | 1 | 1 |
|  | 11/02/2022 | 1 | 1 | 2 | 2 |
|  | 12/02/2022 | 1 | 1 | 1 | 1 |
|  | 12/02/2022 | 1 | 1 | 1 | 1 |
|  | 14/02/2022 | 1 | 1 | 1 | 1 |
|  | 14/02/2022 | 1 | 1 | 1 | 1 |
|  | 14/02/2022 | 1 | 1 | 1 | 1 |
|  | 14/02/2022 | 1 | 1 | 1 | 1 |
|  | 15/02/2022 | 1 | 1 | 1 | 1 |
|  | 15/02/2022 | 1 | 1 | 3 | 3 |
|  | 15/02/2022 | 1 | 1 | 1 | 1 |
|  | 16/02/2022 | 1 | 1 | 16 | 16 |
|  | 16/02/2022 | 1 | 1 | 40 | 40 |
|  | 16/02/2022 | 1 | 1 | 16 | 16 |
|  | 16/02/2022 | 1 | 1 | 25 | 25 |
|  | 16/02/2022 | 1 | 1 | 11 | 11 |
|  | 16/02/2022 | 1 | 1 | 40 | 40 |
|  | 16/02/2022 | 1 | 1 | 8 | 8 |
|  | 17/02/2022 | 1 | 1 | 3 | 3 |
|  | 18/02/2022 | 1 | 1 | 3 | 3 |
|  | 21/02/2022 | 1 | 1 | 3 | 3 |
|  | 21/02/2022 | 1 | 1 | 1 | 1 |
|  | 21/02/2022 | 1 | 1 | 10 | 10 |
|  | 21/02/2022 | 1 | 1 | 1 | 1 |
|  | 22/02/2022 | 1 | 1 | 3 | 3 |
|  | 23/02/2022 | 1 | 1 | 7 | 7 |
|  | 23/02/2022 | 1 | 1 | 3 | 3 |
|  | 24/02/2022 | 1 | 1 | 1 | 1 |
|  | 24/02/2022 | 1 | 1 | 2 | 2 |
|  | 25/02/2022 | 1 | 1 | 7 | 7 |
|  | 25/02/2022 | 1 | 1 | 3 | 3 |
|  | 26/02/2022 | 1 | 1 | 1 | 1 |
|  | 28/02/2022 | 1 | 1 | 5 | 5 |
|  | 03/03/2022 | 1 | 1 | 1 | 1 |
|  | 05/03/2022 | 1 | 1 | 1 | 1 |
|  | 07/03/2022 | 1 | 1 | 157 | 157 |
|  | 08/03/2022 | 1 | 1 | 10 | 10 |
|  | 09/03/2022 | 1 | 1 | 2 | 2 |
|  | 10/03/2022 | 1 | 1 | 12 | 12 |
|  | 11/03/2022 | 1 | 1 | 1 | 1 |
|  | 14/03/2022 | 1 | 1 | 1 | 1 |
|  | 15/03/2022 | 1 | 1 | 1 | 1 |
|  | 15/03/2022 | 1 | 1 | 5 | 5 |
|  | 17/03/2022 | 1 | 1 | 4 | 4 |
|  | 18/03/2022 | 1 | 1 | 6 | 6 |
|  | 18/03/2022 | 1 | 1 | 1 | 1 |
|  | 18/03/2022 | 1 | 1 | 2 | 2 |
|  | 19/03/2022 | 1 | 1 | 2 | 2 |
|  | 19/03/2022 | 1 | 1 | 1 | 1 |
|  | 22/03/2022 | 1 | 1 | 1 | 1 |
|  | 30/03/2022 | 1 | 1 | 1 | 1 |
|  | 30/03/2022 | 1 | 1 |  |  |
|  | 07/04/2022 | 1 | 1 | 1 | 1 |
|  | 07/04/2022 | 1 | 1 | 2 | 2 |
|  | 07/04/2022 | 1 | 1 | 2 | 2 |
|  | 08/04/2022 | 1 | 1 | 2 | 2 |
|  | 11/04/2022 | 1 | 1 | 10 | 10 |
|  | 11/04/2022 | 1 | 1 | 1 | 1 |
|  | 12/04/2022 | 1 | 1 | 1 | 1 |
|  | 12/04/2022 | 1 | 1 | 1 | 1 |
|  | 16/04/2022 | 1 | 1 | 1 | 1 |
|  | 18/04/2022 | 1 | 1 | 2 | 2 |
|  | 19/04/2022 | 1 | 1 | 1 | 1 |
|  | 21/04/2022 | 1 | 1 | 4 | 4 |
|  | 23/04/2022 | 1 | 1 | 2 | 2 |
|  | 25/04/2022 | 1 | 1 | 1 | 1 |
|  | 25/04/2022 | 1 | 1 | 1 | 1 |
|  | 27/04/2022 | 1 | 1 | 1 | 1 |
|  | 04/05/2022 | 1 | 1 | 1 | 1 |
|  | 04/05/2022 | 1 | 1 | 1 | 1 |
|  | 06/05/2022 | 1 | 1 | 1 | 1 |
|  | 10/05/2022 | 1 | 1 | 3 | 3 |
|  | 30/05/2022 | 1 | 1 | 2 | 2 |
|  | 01/06/2022 | 1 | 1 | 1 | 1 |
|  | 07/06/2022 | 1 | 1 | 1 | 1 |
|  | 10/06/2022 | 1 | 1 | 1 | 1 |
|  | 10/06/2022 | 1 | 1 | 1 | 1 |
|  | 20/06/2022 | 1 | 1 | 2 | 2 |
|  | 01/07/2022 | 1 | 1 | 1 | 1 |
|  | 06/07/2022 | 1 | 1 | 2 | 2 |
|  | 08/07/2022 | 1 | 1 | 1 | 1 |
|  | 08/07/2022 | 1 | 1 | 1 | 1 |
|  | 12/07/2022 | 1 | 1 | 4 | 4 |
|  | 19/07/2022 | 1 | 1 | 1 | 1 |
|  | 20/07/2022 | 1 | 1 | 1 | 1 |
|  | 23/07/2022 | 1 | 1 | 135 | 135 |
|  | 26/08/2022 | 1 | 1 | 210 | 210 |
|  | 07/09/2022 | 1 | 1 | 1 | 1 |
|  | 27/09/2022 | 1 | 1 | 1 | 1 |
|  | 03/10/2022 | 1 | 1 | 1 | 1 |
|  | 21/10/2022 | 1 | 1 | 1 | 1 |
|  | 12/11/2022 | 1 | 1 | 1 | 1 |
|  | 12/11/2022 | 1 | 1 | 1 | 1 |
|  | 23/11/2022 | 1 | 1 | 4 | 4 |
|  | 23/11/2022 | 1 | 1 | 1 | 1 |
|  | 26/11/2022 | 1 | 1 | 1 | 1 |
|  | 26/11/2022 | 1 | 1 | 1 | 1 |
|  | 12/12/2022 | 1 | 1 | 2 | 2 |
|  | 16/12/2022 | 1 | 1 | 12 | 12 |
|  | 17/12/2022 | 1 | 1 | 5 | 5 |
|  | 23/12/2022 | 1 | 1 | 5 | 5 |
|  | 23/12/2022 | 1 | 1 | 3 | 3 |
| Total |  | 144 | 144 | 1124 | 1124 |
| 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 | 50 | 50 | - | 5 | 12 | 2 |

**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)** |
| Integrated pest management in tomato with special reference *Tuta Absaluta by using pheromone traps* | 75 | 70 | 86460 | 120501 |
| Introuction of paddy variety KHP-13 | 25 | 15 | 11375 | 26817 |
| Introduction of paddy variety KPR-1 | 25 | 90 | 43250 | 67766 |
| Popularization of micro nutrients (pepper special/banana) | 75 | 26 |  |  |
| High density fish farming gift tilapia in controlled system | 15 | 30 | 2950 | 15650 |
| Wilt management in black pepper by drenching arka microbial consortium | 150 | 45 | 88500 | 187500 |

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)**

1. **Wilt management in black pepper by drenching arka microbial consortium**

**Rationale:** Recently farmers are dumping litres of insecticide & fungicides for management of the pest population & diseases in black pepper, but not getting controlled due to method of application is not coinciding. The incidence of diseases is more during monsoon, with high rainfall not able to control disease by spraying fungicides.

**Technology adopted:**

1. Application of 1 basket (20 kg) FYM or compost around the base of the vine and neem cake 0.5 kg per vine
2. Drenching of Arka Microbial Consortium (azatobacter, bacillus and pseudomonas) 25g/ L ( 3 litres per vine)
3. Spraying of fungicide Potassium Phosphonate ( 3 ml/lit) at pre and post monsoon

**Outcome of technology:**

* 785 farmers were trained in 2021-22 during FLDs, OFTs, group discussion meeting, trainings, seminars and consultancy .
* Less disease incidence orchards were observed
* Yield loss were protected to the tune of 1.7 kg per vine (Rs. 85000/ha additional income per ha)

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

* In Chikkamagaluru, beekeeping offers benefits which could make it attractive to smallholder farmers as a possible strategy for making their livelihoods more sustainable.
* However, its potential remains largely unexploited and the lack of new entrants is thought to be one key reason for a decline in beekeeping.
* Krishi vigyankendra trained 40 new beekeepers under ASCI &short term certificate course from university
* By introducing new technologies and by supporting rural youth to begin sustainable business ventures, KVK is working to strengthen forest-based livelihoods and conserve natural resources

The revenue generated from sale of Honey, Wax and Bee colony were considered as main source of cash inflow of bee farms in Chikkamagaluru.

**B C Ratio** – 1.29

**Payback period** – 0.77 years

**Total cash inflow including income generated from sale proceeds of bee colonies of individual bee farms**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No** | **No. of bee colonies possessed individual beekeepers** | **Honey** | **Wax** | **Bee colony** | **Total Cash Inflow** |
| 1 | 24 | 57600 | 2544 | 57892 | 118036 |
| 2 | 8 | 28800 | 384 | 8738 | 37922 |
| 3 | 20 | 48000 | 960 | 21846 | 70806 |
| 4 | 30 | 72000 | 1680 | 38231 | 111911 |
| 5 | 10 | 36000 | 720 | 10923 | 47643 |

**Total Cost Outflow of individual bee farm**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **No. of bee colonies possessed individual beekeepers** | **Fixed Cost** | **Variable Cost** | **Total cost** |
| 1 | 24 | 48000 | 28800 | 76800 |
| 2 | 8 | 16000 | 12000 | 28000 |
| 3 | 20 | 40000 | 24000 | 64000 |
| 4 | 30 | 60000 | 36000 | 96000 |
| 5 | 10 | 20000 | 13000 | 33000 |

**PART XIII - LINKAGES**

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

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| Department of Agriculture, Chikkamagaluru dist. | Joint diagnostic survey, Conducting training programmes and demonstration, seminars, krishi abhiyana and field visits |
| Department of Horticulture, Chikmagalur dist. | Joint diagnostic survey, Conducting training programmes and demonstration, seminars, nursery accreditation and field visits |
| SKDRDP, Mudigere | Conducting training programmes and demonstration |
| CDPO, Mudigere | Conducting training programmes and demonstration |
| NGO | Conducting training programmes |
| Coffee Board, Spice Board | Conducting training programmes |
| ASCI, MANAGE, Hyderabad, ATMA, Chikkamagaluru, DASD, GOI | Conducting training programmes |

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** |  | 08 |  | Organized by Agriculture Department/Hort. Dept. |
| **02** | **Research projects** |  |  |  |  |
| **03** | **Training programmes** |  |  |  |  |
| **04** | **Demonstrations** |  | 06 |  | Organized by Agriculture Department |
| **05** | **Extension Programmes** |  |  |  |  |
|  | Kisan Mela |  | 03 |  | Organized by Agriculture Department COORDINATED BY kvk |
|  | Technology Week |  |  |  |  |
|  | Exposure visit |  |  |  | Organized by Agriculture Department |
|  | Exhibition |  | 01 |  |  |
|  | Soil health camps |  |  |  |  |
|  | Animal Health Campaigns |  | 06 |  |  |
|  | Others (Pl. specify) |  | 02 |  |  |
| **06** | **Publications** |  | 01 |  |  |
|  | Video Films |  | 01 |  |  |
|  | Books |  |  |  |  |
|  | Extension Literature |  |  |  |  |
|  | Pamphlets |  |  |  |  |
|  | 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** |
| **1** | DAESI, Programme | SAMETI/ MANAGE | 7,60,000.00 | 7,60,000.00 |  |
| **2** | Formation and promotion of FPOs at Mudigere (T) | National Co-operative Development Corporation | 1,76,540.00 | 1,76,540.00 |  |
| **3** | Formation and promotion of FPOs at Mudigere (T) | National Co-operative Development Corporation | 1,75,540.00 | 1,75,540.00 |  |
| **4** | Petroleum conservation research association activities | ATARI, Bengaluru | 60,00.00 | 60,00.00 |  |
| **5** | Petroleum conservation research association activities | ATARI, Bengaluru | 12,000.00 | 12,000.00 |  |
| **6** | Swachhta Actionn Plan | ATARI, Bengaluru | 24,470.00 | 24,470.00 |  |
| **7** | Farmers outreach programme on natural farming | ATARI, Bengaluru | 14,100.00 | 14,100.00 |  |
| **8** | Natural farming activities, awareness programme, training programme and demonstration | ATARI, Begaluru | 2,63,500.00 | 2,63,500.00 |  |
| **9** | Field day programme | Coconut Development Board, Bengaluru | 15,000.00 | 15,000.00 |  |
| **10** | Training and awareness programme for farmers & equipment technicians to promote the use of BEE star labeled energy efficient pumpsets | KREDI, Bengaluru | 1,00,000.00 | 1,00,000.00 |  |
| **11** | Kissan Bhagidari Prathmikta Hamari | ATARI, Bengaluru | 99,500.00 | 99,500.00 |  |
| **12** | Annadata Devo Bhava campaign | Coconut Development Board, Bengaluru | 50,000.00 | 50,000.00 |  |
| **13** | Block level seminar | Coconut Development Board, Bengaluru | 40,000.00 | 40,000.00 |  |
| **14** | FOCT palm climbing training programme | Coconut Development Board, Bengaluru | 56,500.00 | 56,500.00 |  |
| **15** | Bee keeping | ATARI, Bengaluru | 2,04,275.00 | 2,04,275.00 |  |
| **16** | **SCSP activities** | ATARI, Bengaluru | 2,65,000.00 | 2,65,000.00 |  |

**13D. Kisan Mobile Advisory Services**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| Apiculture | 2014 | Apis cerena | Honey bee box+ colony (No.) |  |  | 6 no. | 2500 | 10600 |  |

**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 |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Fibers |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Spices & Plantation crops | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |
| Floriculture |  |  |  |  |  |  |  |  |  |
| Sapota | 1996 | 2022 | 8 | Kalipatti Cricket ball | Fruits |  |  | **263620** |  |
| Fruits |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Vegetables |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
| Others (specify) | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

**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** |
| 1 | Trichoderma | 320 | 100 | 32000 |  |
| 2 | Pseudomanus | 211 | 100 | 21100 |  |
| 3 | VAM | 7 | 120 | 840 |  |
| 4 | PSB | 2 | 100 | 200 |  |
| 5 | A.M.C | 140 | 350 | 51900 |  |
| 6 | Waste Decomposer | 83 | 80 | 8460 |  |
| 7 | Ginger special | 16 | 250 | 4000 |  |
| 8 | Cardamom Special | 20 | 250 | 5000 |  |

**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 chicks | Chicks | Chicks | 842 | 150 per chick | 86260 |  |
| 2 | Egg |  |  | 1277 | 7 per egg | 10419 |  |
| 3 | Hen (kg) |  |  | 12.35 | 250 per kg | 3913 |  |
| 4 | BV380 |  |  | 96 |  | 46000 |  |
| 5 | Pigs (kg) | Yorkshire & Duroc | Yorkshire & Duroc | 336 | 3700 per piglet | 57120 |  |
| 6 | Piglet | Yorkshire & Duroc | Yorkshire & Duroc | 37 | 225 per kg | 133500 |  |
| 7 | Goat (kg) |  |  | 87 | 350 | 30450 |  |
| 8 | Goat |  |  | 3 | 2500 | 7000 |  |
| 9 | Fish fingerlings (number) |  |  |  |  | 150 |  |

**14E. Utilization of hostel facilities**

Accommodation available (30 beds)

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| January | 10 | 9 |  |
| February | 2 | 5 |  |
| March | 43 | 4 |  |
| April | 94 | 2 |  |
| May | 48 | 3 |  |
| June | 11 | 4 |  |
| July | - | - |  |
| August | 18 | 6 |  |
| September | 132 | 25 |  |
| October | 96 | 13 |  |
| November | 10 | 5 |  |
| December | 40 | 3 |  |

**14F. Database management**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Database target** | **Database created** |
|  |  | Collected & stored 13667 farmers mobile numbers of Chikkamagaluru dist. for giving information  4,06,785farmers registered for agro advisories |

**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)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 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 | 104 | 17000 | 62180 | 25 | 699 |

**15.3 Fertilizer awareness programme organised**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State** | **Name of KVK** | **Details of Activities/programme Organised** | **Number of Chief Guests** | **No. of Farmers attended program** | **Total participants** |
|  |  |  |  |  |  |

**15.4 Seed Hub**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Crops*** | ***Variety*** | ***Year of release*** | ***Production*** | | | | ***No of farmers benefited/Sold to no. of farmers*** | ***Quantity seed sold (q)*** |
| ***Target (q)*** | ***Area (ha.)*** | ***Actual Production***  ***(q)*** | ***Category***  ***(FS/CS)*** |
|  |  |  |  |  |  |  |  |  |

**15.5 CFLD on Oilseeds:**

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

**15.6 CFLDs on Pulses:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Crop** | **Varieties demonstrated and check** | **Allocated** | | **Implemented** | |
| **Area (ha)** | **Demos (No.)** | **Area (ha)** | **Demos (No.)** |
| 1 | Bengal gram | JG-11 | 10.0 | 25 | 10.0 | 25 |
|  | Total |  |  |  |  |  |

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

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

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

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

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

|  |  |  |
| --- | --- | --- |
| **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** |
| 106 | 2 | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y | Y |

**15.13 KSHAMTA**

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

**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 – KHP 13 | Farmers were happy for higher grain yield and straw |
| 2 | Bengal gram- JG-11 | Wilt resistant and higher yield |
| 3 | Ragi-ML 365 | Higher yield and straw |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Agronomic practices** | **Farmer’s feedback** |
|  | Plastic mulching in black pepper | Reduces wilt incidence |

**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 | Seed treatment of maize with insecticide *Fortenza duo* | Good to see pest incidence managed upto 30 days |
| 2 | Pheramone traps in tomato for tomato leaf miner | Farmers were happy in reduction of damaged fruit and moth catches in traps |
| 3 | Pheramone traps in Bengal gram for pod borer | Farmers were happy in reduction of damaged fruit and moth catches in traps |
| 4 | Use of bio agents – AMC in black pepper | Wilt incidence reduced to 8% from 22% |
| 5 | Root feeding in coconut | Farmers happy to see recovery of trees from stem bleeding |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Farm machinery technologies** | **Farmer’s feedback** |
| 1 | Machinal harvesting of Bengal gram | Reduced labour cost and time |
| 2 | Seed drill for sowing onion | Easy sowing and labour management |

**16.5 Farmers feedback on performance of livestock and fisheries technologies**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Livestock/fisheries technologies** | **Farmer’s feedback** |
| 1 | Back yard poultry farming | Additional income of 15000 per 3 months |
| 2 | Egg laying poultry varieties | Egg production |

**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 |  |  |  |  |  |  |  |
| With KVK | Canara Bank | Jogannanakere, Mudigere | 5536 | Senior Scientist & Head | 1162101014181 | 577015765 | CNRB0005536 |

**17B. Utilization of KVK funds during the year 2021-22 (Rs. in lakh)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 1,16,33,000 | 1,16,33,000 | 1,11,78,271 |
| 2 | **Traveling allowances** | 1,67,000 | 1,67,000 | 1,16,033 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 3,80,000 | 3,80,000 | 3,46,797 |
| *B* | POL, repair of vehicles, tractor and equipments | 3,68,000 | 3,68,000 | 2,94,140 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 1,50,000 | 1,50,000 | 1,41,466 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 1,50,000 | 1,50,000 | 99,840 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 4,12,000 | 4,12,000 | 4,09,123 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 1,02,000 | 1,02,000 | 98,755 |
| *G* | Integrated farming system | 50,000 | 50,000 | 49,952 |
| *H* | Training of extension functionaries | 50,000 | 50,000 | 49,980 |
| *I* | Extension activities | 75,000 | 75,000 | 74,951 |
| *J* | Farmers Field school | 20,000 | 20,000 | 19,814 |
| *K* | EDP/Innovative Activities | 10,000 | 10,000 | 10,000 |
| *L* | Establishment of Soil, Plant & Water Testing Laboratory | 1,00,000 | 1,00,000 | 99,990 |
| *M* | Maintenance of Building | 1,50,000 | 1,50,000 | 1,49,969 |
| *N* | Nutrigardens – 25 demonstrations | 25,000 | 25,000 | 24,372 |
| *O* | Video production | 50,000 | 50,000 | 49,150 |
| *P* | Library | 25,000 | 25,000 | 22,660 |
| **TOTAL (A)** | |  |  |  |
| **B. Non-Recurring Contingencies** | |  |  |  |
| 1 | Information Technology | 3,00,000 | 2,93,646 | 6,354 |
| 2 | SCSP programmes | 2,65,000 | 2,65,000 | - |
| **TOTAL (B)** | |  |  |  |
| **C. REVOLVING FUND** | |  |  |  |
| **GRAND TOTAL (A+B+C)** | | **1,44,82,000** | **1,44,82,000** | **1,32,41,617** |

**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** |
| January to December 2020 | 30,66,204 | 10,38,425 | 1,96,695 | 43,01,324 |
| January to December 2021 | 43,01,324 | 21,46,752 | 13,52,527 | 50,95,549 |
| January to December 2022 | 50,95,549 | 10,82,274 | 4,80,786 | 56,97,037 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
|  |  |  |  |  |

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