**UNIVERSITY OF AGRICULTURAL SCIENCES, RAICHUR**

**ICAR - KRISHI VIGYAN KENDRA, KALABURAGI-1**

**ANNUAL REPORT- 2021**

**(FOR THE PERIOD FROM 01 JANUARY, 2021 TO 31 DECEMBER, 2021)**

****

ICAR - Krishi Vigyan Kendra, Kalaburagi-1

**Aland Road, Near Aland Checkpost,**

**Kalaburagi – 585 101, Karnataka**

**Contact Details : 9480696315, 08472-274596**

**E-mail :** [**kvkglb.in@gmail.com**](mailto:kvkglb.in@gmail.com) **,** [**kvk.Kalaburgi1@icar.gov.in**](mailto:kvk.Kalaburgi1@icar.gov.in)

**Website :** [**www.kvkkalaburagi1.icar.gov.in**](http://www.kvkkalaburagi1.icar.gov.in)

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 |
| ICAR-Krishi Vigyan Kendra,  Aland Road, Kalaburagi – 585 101 | 08472-  274596 | 08472-  241766 | [kvkglb.in@gmail.com](mailto:kvkglb.in@gmail.com) | **www.kvkgulbarga.com** |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | **Web Address** |
| Office | Fax |
| University of Agricultural Sciences, Raichur | 08532-  220240 (253) | 08532-  220444 | [vcuasraichur10@rediffmail.com](mailto:vcuasraichur10@rediffmail.com) | **www.uasr.kar.nic.in** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Residence | Mobile | Email |
| Dr. Raju G Teggelli | - | 9480696315 | raju.teggelli@gmail.com |

1.4. Year of sanction: 1999

**1.5. Staff position as on 31 December 2021**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** | **P/ T** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Head/Senior Scientist | Dr. Raju G Teggelli | Senior Scientist & Head | M | Agril. Entomology | Ph.D (Agril. Ent.) | 15600-39100 | 25040  + 7000 | 22-02-09 | P | Other |
| 2 | Scientist/SMS | Mr. Vasudev Naik | Scientist | M | Horticulture | Ph.D (Hort) | 15600-39100 | 23190  + 7000 | 18-05-15 | P | SC |
| 3 | Scientist/SMS | Mr. Zaheer Ahemad.B | Scientist | M | Plant Pathalogy | M.Sc (Plant Path) | 15600-39100 | 21450  + 7000 | 27-07-11 | P | OBC |
| 4 | Scientist/SMS | Mr. Yusuf Ali N | Scientist | M | Agronomy | M.Sc (Agronomy) | 15600-39100 | 20590+  6000 | 27-02-19 | P | OBC |
| 5 | Scientist/SMS | Dr. Manjunath Patil | Scientist | M | Animal Science | Ph.D (Animal Sci) | 15600-39100 | 23190  + 7000 | 01-02-10 | P | Other |
| 6 | Scientist/SMS | Mr. Shreenivas B V | Scientist | M | Soil Science | M.Sc (Soil Sci) | 15600-39100 | 20590+  6000 | 11-10-19 | P | OBC |
| 7 | Scientist/SMS | VACANT | - | - | Home Science | - | - | - | - | - | - |
| 8 | Programme Assistant  ( Lab Tech.) | VACANT | - | - | - | - | - | - | - | - | - |
| 9 | Programme Assistant (Computer) | Mrs. Jyothi S Kamthane | Programme Assistant | F | Computer Science | M.Sc M.Phil (Computer Sci) | 9300-34800 | 15890 +4600 | 13-11-08 | P | Other |
| 10 | Programme Assistant/ Farm Manager | VACANT | Farm Manager | - | - | - | - | - | - | - | - |
| 11 | Assistant | Smt. Shashikala Mulge | Assistant | F | BA | B.A. | 16000 - 29600 | 35150 | 24-03-17 | P | OBC |
| 12 | Jr. Stenographer | Mr. Nagendra Badadalli | Jr. Stenographer | M | BA | B.A. | 16000 - 29600 | 35150 | 02-07-19 | P | OBC |
| 13 | Driver - 1 | Mr. Ganesh B | Driver (L.V) | M | - | PUC | 16000- 29600 | 16000 | 30.10.10 | P | SC |
| 14 | Driver - 2 | Vacant | Driver (H.V) | - | - | - | - | - | - | - | - |
| 15 | SS-1 | Vacant | Cook cum-care taker | - | - | - | - | - | - | - | - |
| 16 | SS-2 | Vacant | Messenger | - | - | - | - | - | - | - | - |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 305.85 Sqm |
| 2. | Under Demonstration Units | - |
| 3. | Under Crops | 6.0 ha. |
| 4. | Orchard/Agro-forestry | 2.0 ha. |
| 5. | Others | - |

**1.7. Infrastructural Development:**

1. **Buildings**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of building** | **Source of**  **funding** | **Stage** | | | | | |
| **Complete** | | | **Incomplete** | | |
| **Completion**  **Date** | **Plinth area (Sq.m)** | **Expenditure (Rs. In Lakhs)** | **Starting Date** | **Plinth area**  **(Sq.m)** | **Status of construction** |
| 1 | Administrative  Building | ICAR | 2010 | 459.00 | 60 | - | - | - |
| 2 | Farmers Hostel | ICAR | 2003 | 305.85 | 30 | - | - | - |
| 3. | Staff Quarters (6) | - | - | - | - | - | - | - |
| 4. | Demonstration Units | - | - | - | - | - | - | - |
| 1.Nursery | ATMA & RF | 2013 | 199 | 1.30 | - | - | - |
| 2. Vermicompost Unit | RF | 2014 | 168 | 1.40 | - | - | - |
| 3.Compost Unit | RF | 2015 | 18.48 | 0.10 | - | - | - |
| 4. Hydroponics | RF | 2016 | 30.57 | 0.35 | - | - | - |
| 5. Rose Garden | RF | 2016 | 1376.00 | 0.15 | - | - | - |
| 6. Apiculture | RF | 2017 |  |  |  |  |  |
| 7. Millet Processing Unit | RF | 2018 |  |  |  |  |  |
| 8. Azolla | RF | 2016 |  |  |  |  |  |
| 5 | Solar Fencing |  |  |  |  |  |  |  |
|  | 1. Medicinal garden 2. Rose Garden | ICAR | 2015  2016 | 558.00  1376 | 0.18  0.29 | -  - | -  - | -  - |
| 6 | Rain Water harvesting system | ICAR | 2008-09 | 6300 | 9.93 lakhs | - | - | - |
| 7 | Threshing floor | - | - | - | - | - | - | - |
| 8 | Farm godown | - | - | - | - | - | - | - |

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Tractor | 09-05-2001 | 3,07,551 | 4503 | Good Condition |
| Jeep | 15-06-2017 | 70650 | 71598 | Good Condition |
| Motor cycle | 29-05-2006 | 30,400 | 43740 | Good Condition |

**C) Equipment & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| Sony video camera | 2001-02 | 0.59900 | Good condition |
| Ahuja make amplifier | 2001-02 | 0.21629 | Good condition |
| Fax Machine | 2001-02 | 0.11000 | Good condition |
| Chaff Cutter | 2001-02 | 0.14560 | Good condition |
| **Furniture** |  |  |  |
| Godrej Desk Chairs | 2001-02 | 0.45080 | Good condition |
| Kenstar air cooler | 2002-03 | 0.07300 | Good condition |
| Meeting chairs | 2002-03 | 0.11800 | Good condition |
| Chairs (Nilkamal Plastic moulded) | 2005-06 | 0.10400 | Good condition |
| Plain Table 6x2x2½ft | 2005-06 | 0.06632 | Good condition |
| Exe. Office table 5x3x2½ft | 2005-06 | 0.16588 | Good condition |
| Steel cot 3x6½ with curtains | 2005-06 | 0.09955 | Good condition |
| Sleepwell omega mattress 3x6½x3ft | 2005-06 | 0.08085 | Good condition |
| Podium 2½x2x4 ft in PLPB | 2005-06 | 0.02322 | Good condition |
| Dias 5ft x6ftx1ft with jungle wood top | 2005-06 | 0.06635 | Good condition |
| Computer table 4x2x2½ft | 2005-06 | 0.01493 | Good condition |
| Computer cushion revolving chair | 2005-06 | 0.01244 | Good condition |
| Steel almirah 6½ ft | 2005-06 | 0.11199 | Good condition |
| Journal Rack | 2005-06 | 0.02322 | Good condition |
| Dining table 72x18 S.S.top | 2005-06 | 0.05972 | Good condition |

**1.8. Details of SAC meeting organized**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Number of Participants** | **Salient Recommendations** | **Action taken** | **Remarks, if any** |
| 05-01-2022 | 38 | More activities should be planned on organic agriculture and Natural farming. (DE, UAS, Raichur; Action: All Scientists) |  |  |
|  |  | Trainings and demonstrations should be conducted on value addition in banana, cereals and millets. (DE, UAS, Raichur; Action: All Scientists) |  |  |
|  |  | Emphasize more on One District One Product (ODOP) in collaboration with line departments and Pulse board, Kalaburagi, compile all the technologies from CFTRI, Mysore, CIPHET, Ludhiana and other institutes and train the farmer on those technologies. (Nodal officer, ICAR-ATARI, Bengaluru; Action: All Scientists) |  |  |
|  |  | To impress the other farmers, popularize low cost and high income technologies of DFI farmer success stories in ICAR-KVK, Kalaburagi-I website (Nodal officer, ICAR-ATARI, Bengaluru ; Action: All Scientists) |  |  |
|  |  | Importance should be given to value addition of GI tagged Kalaburagi Tur dal and Banana fiber extraction.{(Dean, Agriculture College, Klbg; Action: Scientist (Agronomy) & Scientist Horticulture)} |  |  |
|  |  | Recycling and reuse of agriculture residues (Sugarcane thrash & Tur stubles) for animal feed. {(DD, AH &VS, Klbg; Action: Scientist (Animal science)} |  |  |
|  |  | Trainings should be conducted on value addition of milk and further the impact of training programme should be documented. {(DD, AH &VS, Klbg; Action: Scientist (Animal science)} |  |  |
|  |  | Trainings and demonstrations should be conducted on nursery techniques, vegetables, hydroponics, plant propagation and pre & post harvest technologies in horticulture crops to youth and its impact assessment should be documented. {(DD Horticulture; Action: Scientist (Horticulture)} |  |  |
|  |  | Trainings and demonstrations should be conducted on value addition products in soybean and its impact assessment should be documented. {(JDA, Agriculture; Action: Scientist (Agronomy)} |  |  |
|  |  | University and KVK should conduct innovative research/extension activities/projects on redgram and other crops in collaboration with NABARD for the benefit of farming community. {(DDM, NABARD, Kalaburagi; Action: All Scientists) |  |  |
|  |  | Demonstrate on best suitable intercrops in Redgram for more yields and should help in fertility maintenance {Progressive farmer, Klbg; Action: Scientist .(Agronomy) & Scientist (Soil Science)} |  |  |
|  |  | Conduct demonstrations on wilt and cracking management in watermelon for more yield. {Progressive farmer, Klbg; Action: Scientist (Plant Pathology) & Scientist (Horticulture)} |  |  |
|  |  | Conduct seed production programme for supplying of quality seeds, make awareness about the importance and cultivation of dry land horticulture crops like tamarind, custard apple and amla on bunds. (District Krishika Samaja President, Klbg; Action: All Scientists) |  |  |
|  |  | Encourage to the farmers for fishery in farm pond, millets as a intercrop in redgram & promote natural farming. (District Krishika Samaja President, Klbg; Action: All Scientists) |  |  |
|  |  | Trainings and demonstrations should be conducted to youth on Integrated Farming System and marketing of agriculture produce at farmer’s field (Gram Panchayat level) in collaboration with line departments. (District Krishika Samaja President, Klbg; Action: All Scientists) |  |  |

**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 | Agriculture |
| 2 | Agriculture + Horticulture |
| 3 | Agriculture + Horticulture + Animal Husbandry |
| 4 | Agriculture + Animal Husbandry |
| 5 | Animal Husbandry |

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

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1 | North Eastern Transition Zone | Average rainfall – 870 mm, maximum rainfall during September therefore two crops can be taken. Soil type - Black soil |
| 2 | North Eastern Dry Zone | Average rainfall -710mm Temperature during the April and May – 43- 44oC  Soil type – Medium to deep black soil Cropping season - Kharif and Rabi |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1 | AES I. Chincholi | Medium black soil - Rainfed |
| 2 | AES II. Aland | Medium black soil - Rainfed |
| 3 | AES III. Shahapur, Surpur, Yadgir | Red soil - Rainfed |
| 4 | AES IV. Jewargi, Chittapur, Gulbarga, Afzalpur, Sedam | Medium to Deep Black - Rainfed |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Black soil | * Generally shallow to deep soil, pH and Electrical conductivity of soil is normal. Available Nitrogen content of soil is low. Available & Phosphorous content of soil is medium to high. While, available Potassium content of soil is high. DTPA extractable Zn & Fe content of soil is below the critical level. * Clay content of soil is in between 20.5 – 73.0 % * Being Calcareous, the soils have pH values ranging from 7.8 to 8.5 * The soils have high exchange capacity (35 to 68 /kg) | 1821789 |
| 2 | Red soil | 1. Generally shallow to very deep soil well drain, texture is sandy loam to clay loam, pH 6.0 – 7.5 2. The soils are generally deficient in Nitrogen and Phosphorous. While, Potassium content of soil is low to medium 3. Cation Exchange Capacity (CEC) is around 20 C.mol (p+) kg-1. | 100361 |
| 3 | Laterite soil | 1. pH range is 6.0 to 6.8 2. They are characterized by low (less than 2) Silica : Sesquioxideand Sio2 / Al2o3 ratios 3. Cation Exchange Capacity (CEC) of soil is less (< 16 C.mol (p+) kg-1. | 61269 |
| 4 | Sandy loam | 1. pH range of 6.0 to 6.8  2. They are characterized by low (less than 2) silica : sesquioxideand Sio2 / Al2o3ratios  3. Cation exchange capacity (CEC) of soil is less (< 16 C.mol (p+) kg-1. | 111429 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Crop | Area (ha) | Production (Metric tons) | Productivity (kg /ha) |
| 1 | Pigeonpea | 451999 | 250736 | 776 |
| 2 | Black gram | 26272 | 16646 | 562 |
| 3 | Green gram | 46569 | 10148 | 468 |
| 4 | Jowar | 81950 | 217213 | 1157 |
| 5 | Sunflower | 15310 | 16961 | 1147 |
| 6 | Bengalgram | 89726 | 14787 | 1381 |
| 7 | Fruits | 7255 | 2310 | 865 |
| 8 | Vegetable | 5586 | 10082 | 576 |
| 9 | Flowers | 844 | 129137 | 855 |
| 10 | Cotton | 71350 | 186518.40 | 22.59 |
| 11 | Sugarcane | 30000 | 125989.80 | 15.83 |

Source : KSDA, Kalaburagi

**2.5. Weather data**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
| Maximum | Minimum | I | II |
| January 2021 | 0.00 | 30.40 | 10.10 | 72.85 | 64.95 |
| February | 0.00 | 33.86 | 17.43 | 72.05 | 50.18 |
| March | 5.60 | 37.85 | 21.89 | 71.07 | 68.43 |
| April | 10.20 | 41.00 | 26.15 | 71.97 | 78.87 |
| May | 23.00 | 42.16 | 27.31 | 62.55 | 72.17 |
| June | 117.40 | 37.32 | 25.73 | 83.51 | 82.46 |
| July | 73.80 | 34.61 | 23.77 | 87.86 | 87.58 |
| August | 122.60 | 31.71 | 23.02 | 89.05 | 91.29 |
| September | 291.00 | 31.15 | 22.82 | 91.12 | 71.53 |
| October | 105.80 | 30.65 | 21.95 | 90.84 | 82.16 |
| November | 105.80 | 31.35 | 19.60 | 87.66 | 82.97 |
| December | 9.20 | 30.00 | 17.97 | 90.36 | 84.39 |

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| Crossbred | 11346 | Milk-15000t/year | Milk-5.781kg/day/animal |
| Indigenous | 505407 | Milk-122000t/year | Milk-2.303kg/day/animal |
| Crossbred | -- | Beef-59t/year | Beef- 116.28kg/year/animal |
| Indigenous |
| **Buffalo** | 118740 | Milk-82000t/year  Cara beef-11t/year | Milk-2.559kg/day/animal  Cara beef-104kg/year/animal |
| Sheep | | | |
| Crossbred | -- | -- | -- |
| *Indigenous* | 101973 | Mutton-7t/year | Mutton-18.75kg/year/animal |
| **Goats** | 411412 | Milk-6000t/year  Chevon-33t/year | Milk-0.091kg/day/animal  Chevon-18kg/year/animal |
| **Pigs** | | | |
| *Crossbred* | -- | -- | -- |
| *Indigenous* | 25253 | Pork-4t/year | Pork-40.42kg/year/animal |
| **Rabbits** | 36 | -- | -- |
| **Poultry** | 483433 | Eggs-323lakh/year  (128laksh desi & 195lakh improved)  Chicken-23t/year | 252 eggs/improved layer/year  Chicken-1.47kg/year/animal |

\* Source: DD Office, Department of Animal Husbandry &2014-15 Statistics of Gulbarga District

* 1. District profile maintained in the KVK has been **Updated** for 2021: Yes

**2.8 Details of Operational area / Villages**

| **Sl. No.** | **Taluk** | **Name of the block** | **Name of the Village** | **How long the village is covered under operational area of the KVK (specify the years)** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Chincholli | Kodli | Sunthan | 3 years | Pigeonpea | * Lack of Knowledge about improved varieties/ Hybrid * Use of local varieties * Moisture stress * No seed treatment * Non-use of Biofertilizers/Bioagents * Sub-Optimum Nutrient application, deficiency of secondary nutrient (Sulphur) & non use of micronutrients (Zinc, Iron & Boron) * Heavy weed infestation * No optimum maintenance of plant spacing * Pest & Diseases * Poor seed set * Indiscriminate use of Pesticides * Poor Management of Crop Residues * Loss in storage grains | **OFT:** Assessment of Planting methods in Pigeonpea under Rainfed condition  **FLD:**   1. Income maximization in Pigeonpea through pumpkin intercrop 2. Demonstration of Stemfly and Anthracnose management in Greengram 3. Demonstration of new Rust resistant Soybean Variety DSB-21   **Trainings :**   * Methods of seed treatment * ICM in pulses * Redgram based intercropping system for higher productivity * PHT and Value Addition * Vermicomposting * Mechanization in agriculture   **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV & Radio programme |
| Greengram |
| Blackgram |
| Soybean |
| Sugarcane |
| Cotton |
| Chickpea |
| Green pea |
| Vegetable ,Fruit & Flower crops (Onion, Amaranthus, Water Melon, Papaya, Chrysanthemum) | * Unscientific method of nursery raising * Use of low yielding varieties * Pest & Diseases * Lack of Protected Cultivation. * No Scientific cultivation of water melon * Deficiency of Secondary (Magnesium) & Micronutrients (Zinc, Iron & Boron) * No processing and value addition | **OFT:** Assessment of different methods of cultivation of Onion  **Trainings** :  1. ICM in Flower crops  2. Value addition of custard apple  **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV and Radio programme |
| Livestock (Dairy Animal, sheep, poultry) | * Anoestrus * Low milk yield, fat % & SNF * Scarcity of green fodder * Tick infestation in cattle * Worm infestation in calves/lamb/kids * Reduced body weight gain and FCR in poultry birds | **OFT:** Assessment of New forage, Super Napier for its productivity and forage quality  **FLD**  Popularization of Kadakanath Birds under Backyard rearing system.  **Trainings :**   * Scientific dairy farming * Oestrus symptoms and AI in dairy cattle * Management of Fodder Bank   **Extension Activities :**  Group Discussion, Animal health camp, Method Demonstration, TV and Radio programmes |
|  |  |  |  |  |  |  |  |
| 2 | Aland | Nimbarga | Suntanoor | 3 years | Pigeonpea | * Lack of Knowledge about improved varieties * Use of local varieties * Moisture stress * No seed treatment * Non-use of Biofertilizers/Bioagents * Sub-Optimum Nutrient application, deficiency of secondary nutrient (Sulphur) & non use of micronutrients (Zinc, Iron & Boron) * Heavy weed infestation * No optimum maintenance of plant spacing * Pest & Diseases * Poor seed set * Indiscriminate use of Pesticides * Poor Management of Crop Residues * Loss in storage grains | **OFT**:  1. Assessment of varieties for wilt, dry root rot and rust disease resistance in Chickpea.  2. Assessment of technology for correction of Sulphur deficiency in chickpea  **FLD:**   1. Income maximization in Pigeonpea through pumpkin intercrop 2. Demonstration of Stemfly and Anthracnose management in Greengram 3. Demonstration of new Rust resistant Soybean Variety DSB-21   **Trainings :**   * Methods of seed treatment * ICM in pulses * Redgram based intercropping system for higher productivity * PHT and Value Addition * Vermicomposting * Mechanization in agriculture   **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV & Radio programme |
| Greengram |
| Blackgram |
| Soybean |
| Sugarcane |
| Cotton |
| Ground Nut |
| Chickpea |
| Vegetable ,Fruit & Flower crops (Onion, Amaranthus, Water Melon, Papaya, Chrysanthemum) | * Unscientific method of nursery raising * Use of low yielding varieties * Pest & Diseases * Lack of Protected Cultivation. * No Scientific cultivation of water melon * Deficiency of Secondary (Magnesium) & Micronutrients (Zinc, Iron & Boron) * No processing and value addition | **OFT:** Assessment of different methods of cultivation of Onion  **Trainings :**  1. ICM in Flower crops  2. Value addition of custard apple  **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV and Radio programme |
| Livestock (Dairy Animal, sheep, poultry) | * Anoestrus * Low milk yield, fat % & SNF * Scarcity of green fodder * Tick infestation in cattle * Worm infestation in calves/lamb/kids * Reduced body weight gain and FCR in poultry birds | **OFT:** 1. Assessment of New forage, Super Napier for its productivity and forage quality  2. Assessment of Tick infestation in cross breed HF Cows  **FLD**  1. Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31  2. Integrated Dairy Management  3. Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes  **Trainings :**   * Scientific dairy farming * Oestrus symptoms and AI in dairy cattle * Management of Fodder Bank   **Extension Activities :**  Group Discussion, Animal health camp, Method Demonstration, TV & Radio programmes |
|  |  |  |  |  |  |  |  |
| 3 | Kalaburagi | Pattan | Melkunda (B) & Taj Sulthanpur | 3 years | Pigeonpea | * Lack of Knowledge about improved varieties/ Hybrid * Use of local varieties * Moisture stress * No seed treatment * Non-use of Biofertilizers/Bioagents * Sub-Optimum Nutrient application, deficiency of secondary nutrient (Sulphur) & non use of micronutrients (Zinc, Iron & Boron) * Heavy weed infestation * No optimum maintenance of plant spacing * Pest & Diseases * Poor seed set * Indiscriminate use of Pesticides * Poor Management of Crop Residues * Loss in storage grains | **OFT:** Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean  **FLD:**   1. Income maximization in Pigeonpea through pumpkin intercrop 2. Stemfly management in Blackgram 3. Demonstration of Stemfly and Anthracnose management in Greengram 4. Demonstration of new Rust resistant Soybean Variety DSB-21   **Trainings :**   * Methods of seed treatment * ICM in pulses * Redgram based intercropping system for higher productivity * PHT and Value Addition * Vermicomposting * Mechanization in agriculture   **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV & Radio programme |
| Greengram |
| Blackgram |
| Soybean |
| Sugarcane |
| Cotton |
| Chickpea |
| Vegetable ,Fruit & Flower crops (Onion, Amaranthus, Water Melon, Papaya, Chrysanthemum) | * Unscientific method of nursery raising * Use of low yielding varieties * Pest & Diseases * Lack of Protected Cultivation. * No Scientific cultivation of water melon * Deficiency of Secondary (Magnesium) & Micronutrients (Zinc, Iron & Boron) * No processing and value addition | **FLD:** Demonstration and popularization of flower crop Bachelor’s Button  **Trainings :**  1. ICM in Flower crops  2. Value addition of custard apple  **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV and Radio programme |
| Livestock (Dairy Animal, sheep, poultry) | * Anoestrus * Low milk yield, fat % & SNF * Scarcity of green fodder * Tick infestation in cattle * Worm infestation in calves/lamb/kids * Reduced body weight gain and FCR in poultry birds | **OFT:** 1. Assessment of New forage, Super Napier for its productivity and forage quality  2. Assessment of Tick infestation in cross breed HF Cows  **FLD**  1. Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31  2. Integrated Dairy Management  3. Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes  **Trainings :**   * Scientific dairy farming * Oestrus symptoms and AI in dairy cattle * Management of Fodder Bank   **Extension Activities :**  Group Discussion, Animal health camp, Method Demonstration, TV & Radio programmes |
|  |  |  |  |  |  |  |  |
| 4 | Afzalpur | Atanoor | Goudgaon | 3 years | Pigeonpea | * Lack of Knowledge about improved varieties/ Hybrid * Use of local varieties * Moisture stress * No seed treatment * Non-use of Biofertilizers / Bioagents * Sub-Optimum Nutrient application, deficiency of secondary nutrient (Sulphur) & non use of micronutrients (Zinc, Iron & Boron) * Heavy weed infestation * No optimum maintenance of plant spacing * Pest & Diseases * Poor seed set * Indiscriminate use of Pesticides * Poor Management of Crop Residues * Loss in storage grains | **OFT:** Management of Sulphur in Chickpea  **FLD:**  1. ICM in Ginger  2. Ecofriendly pest management in Sugarcane  3. Integrated Nutrient Management in Sugarcane  4. Demonstration of Leaf spot and Phyllody management in Sesamum  **Trainings :**  1. Methods of seed treatment  2. ICM in pulses  3. Redgram based intercropping system for higher productivity  4. PHT and Value Addition  5. Vermicomposting  6. Mechanization in agriculture  **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV and Radio programme |
| Greengram |
| Blackgram |
| Soybean |
| Sugarcane |
| Cotton |
| Chickpea |
| Vegetable ,Fruit & Flower crops (Onion, Amaranthus, Water Melon, Papaya, Chrysanthemum) | * Unscientific method of nursery raising * Use of low yielding varieties * Pest & Diseases * Lack of Protected Cultivation. * No Scientific cultivation of water melon * Deficiency of Secondary (Magnesium) & Micronutrients (Zinc, Iron & Boron) * No processing and value addition | **FLD:**  1. Demonstration of New Variety of Sweet Potato  2. ICM in Drumstick  3. Eco-Friendly pest management in Chilli  **Trainings :**  1. ICM in Flower crops  2. Value addition of clustered apple  **Extension Activities :**  Group Discussion, Method Demonstration, Field day, TV and Radio programme |
| Livestock (Dairy Animal, sheep, poultry) | * Anoestrus * Low milk yield, fat % & SNF * Scarcity of green fodder * Tick infestation in cattle * Worm infestation in calves/lamb/kids * Reduced body weight gain and FCR in poultry birds | **OFT:** 1. Assessment of New forage, Super Napier for its productivity and forage quality  2. Assessment of Tick infestation in cross breed HF Cows  **FLD**  1. Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31  2. Integrated Dairy Management  3. Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes  **Trainings :**   * Scientific dairy farming * Oestrus symptoms and AI in dairy cattle * Management of Fodder Bank   **Extension Activities :**  Group Discussion, Animal health camp, Method Demonstration, TV & Radio programmes |
|  |  |  |  |  |  |  |  |

2.9 Priority thrust areas

|  |  |
| --- | --- |
| **S. No** | **Thrust area** |
| 01 | Promotion of Rain Water Harvesting & Soil Conservation measures |
| 02 | Recycling of crop residues through Mulching, Composting, Vermicomposting etc |
| 03 | Promotion of Integrated Crop Management (ICM) practices with varietal demonstrations |
| 04 | Drought mitigation techniques |
| 05 | Promotion of protected cultivation of Vegetables and Flower crops |
| 06 | Promotion of Dry land Horticulture |
| 07 | Encouragement of Farmers innovation technologies |
| 08 | Promotion of Value Addition for Agriculture and Horticulture produces |
| 09 | Improper Nutrition Management in Livestock |
| 10 | Improper Disease Management in Livestock |

**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** |
| 9 | 9 | 38 | 38 | 21 | 21 | 213 | 213 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Farmers/farm women)** | | | | **Training (Rural youth)** | | | |
| **3** | | | | **4** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 70 | 62 | 3500 | 2900 | 40 | 28 | 1500 | 1250 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Extension personnel)** | | | | **Training (sponsored)** | | | |
| **5** | | | | **6** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 30 | 19 | 1000 | 680 | 20 | 12 | 1000 | 560 |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (Vocational)** | | | | **Extension Programmes** | | | |
| **7** | | | | **8** | | | |
| **Courses (No.)** | | **Participants (No.)** | | **Programmes (No.)** | | **Participants (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 15 | 08 | 500 | 275 | 500 | 443 | 5000 | 5117 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Q)** | | **Planting material (Nos.)** | |
| **9** | | **10** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| 50 qtls | 47 qtls | 3000 | 3500 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Livestock, poultry strains and fingerlings (No.)** | | **Bio-products (Kg)** | |
| **11** | | **12** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| - | - | 2000 kg | 1600 kg |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Soil, water, plant and manure analysis**  **(including mobile kits)** | | | | **Mobile agro advisories provided** | | | |
| **13** | | | | **14** | | | |
| **Samples (No.)** | | **Farmers (No.)** | | **Messages including text, voice (No.)** | | **Farmers (No.)** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 500 | 374 | 500 | 283 | 200 | 97 | 25000 | 22397 |

**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 | Varietal Evaluation | Chickpea | Dry Root Rot (70%) and Wilt (5 %) | Assessment of Chickpea varieties for Dry root rot and Wilt | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 2 | Varietal Evaluation | Sesamum | Non availability of high yielding variety during summer under irrigated condition | Assessment of Sesame genotypes during Summer | - | 2 | 2 | 1 | 5 | - | - | - | - | - |
| 3 | Varietal Evaluation | Fodder crops | Non availability of high yielding perennial fodder varieties | Assessment of New forage, Super Napier for its productivity and forage quality | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 4 | ICM | Pigeonpea | Weed management and Moisture Stress | Assessment of planting methods in pigeonpea under rainfed condition | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 5 | INM | Soybean | Deficiency of Sulphur, & Boron in soils | Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean | - | 1 | 1 | 1 | 4 | - | - | - | - | - |
| 6 | INM | Chickpea | Deficiency of Sulphur in Soils | Assessment of technology for correction of Sulphur deficiency in chickpea | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 7 | ICM | Onion | Weed, water scarcity and Low yield | Assessment of different methods of cultivation of Onion | - | 2 | 2 | 1 | 5 | - | - | - | - | - |
| 8 | IPM | Chilli | Thrips incidence and non-judicious use of chemicals | Assessment of Chilli Thrips management technologies | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 9 | IDM | HF Cows | Ectoparasite (ticks) infestation and reinfestation leading to low milk yield | Assessment of Tick infestation in cross breed HF Cows | - | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 10 | IPM | Blackgram | Low yield due to stemfly (25-30% incidence) | - | Stemfly management in Blackgram | 1 | 1 | 1 | 4 | - | - | - | - | - |
| 11 | ICM | Pigeonpea | Low profit with traditional intercrops (Greengram and Blackgram) | - | Income maximization in Pigeonpea through pumpkin intercrop | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 12 | IPM | Greengram | Pest and diseases (Stem fly & Anthracose) (45-50% incidence) | - | Demonstration of Stemfly and Anthracnose management in Greengram | 2 | 2 | 1 | 5 | - | - | - | - | - |
| 13 | Varietal Evaluation | Blackgram | Non availability of improved variety during summer | - | Demonstration of improved Blackgram variety TRCRU-22 during summer | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 14 | Varietal Evaluation | Soybean | * Rust disease (up to 85-90% in farmers varieties) * Increased cost of cultivation | - | Demonstration of new Rust resistant Soybean Variety DSB-21 | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 15 | IDM | Sesamum | Leaf Spot and Phyllody (40-50% yield loss) | - | Demonstration of Leaf spot and Phyllody management in Sesamum | 2 | 1 | 1 | 3 | - | - | - | - | - |
| 16 | IDM | Sunflower | * Chaffiness * Poor spray practices * Diseases (leaf spot and powdery mildew) | - | Demonstration of Leaf spot and Powdery mildew management in Sunflower | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 17 | INM | Maize | Deficiency of Micronutrients (Zn and Fe) and low yield and Poor fertility | - | Nutritional disorder (Zn and Fe) management in maize | 1 | 1 | 1 | 1 | - | - | - | - | - |
| 18 | IPM | Sugarcane | Indiscriminate use of chemicals for management of insects | - | Ecofriendly pest management in Sugarcane | 1 | 1 | 1 | 1 | - | - | - | - | - |
| 19 | INM | Sugarcane | Deficiency of Zn & Fe | - | Integrated Nutrient Management in Sugarcane | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 20 | Varietal Evaluation | Sweet Potato | * Non-availability of High yielding variety and quality tubers * Low productivity due to local varieties | - | Demonstration of New Variety of Sweet Potato | 2 | 2 | 1 | 5 | - | - | - | - | - |
| 21 | ICM | Drumstick | Lack of INM Practices, Pest & Disease | - | ICM in Drumstick | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 22 | Varietal Evaluation | Bachelors Button | * Replacing traditional flower crop like Gaillardia * Market glut due to traditional flowers (Gaillaridia) | - | Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 23 | INM | Mango | Micro nutrient deficiency and fruit drop | - | Demonstration on INM in Mango | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 24 | ICM | Ginger | Pest & Disease, Imbalanced nutrient application and low yield | - | ICM in Ginger | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 25 | IPM | Chilli | Pest & Disease incidence | - | Eco-Friendly pest management in Chilli | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 26 | Varietal Evaluation | Fodder | Deficiency of Green fodder, Lack of knowledge on Drought resistant fodder Varieties, Less body weight gain in Goats | - | Establishing Fodder Cafeteria for stall fed goat farms | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 27 | Varietal Evaluation | Fodder | Non availability of fodder seeds | - | Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31 | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 28 | IDM | Dairy | Low milk yield & fat%, Worm infestation in calves, Mastitis and thelitis, Anoestrus | - | Integrated Dairy Management | 2 | 2 | 1 | 5 | - | - | - | - | - |
| 29 | IDM | Animal | * Repeat breeder * Low conception rate | - | Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes | 2 | 1 | 1 | 4 | - | - | - | - | - |
| 30 | Nutri Garden | Nutri Garden | Lack of Knowledge | - | Nutrigarden Demonstration of Nutrigarden in urban areas | 2 | 1 | 1 | 4 | - | - | - | - | - |

**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 of Chickpea varieties for Dry root rot and Wilt | ANGRAU | Chickpea | 2 | - | 3 | 6 |
| 2 | Assessment of Sesame genotypes during Summer | PJTSAU | Sesamum | 5 | - | 6 | 4 |
| 3 | Assessment of New forage, Super Napier for its productivity and forage quality | PJTSAU, Hyderabad | Fodder crops | 5 | - | 5 | 5 |
| 4 | Assessment of planting methods in pigeonpea under rainfed condition | PJTSAU, Hyderabad | Pigeonpea | 2 | - | 8 | 4 |
| 5 | Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean | CAU, Imphal | Soybean | 5 | - | 3 | 7 |
| 6 | Assessment of technology for correction of Sulphur deficiency in chickpea | IIPR, Kanpur | Chickpea | 2 | - | 6 | 4 |
| 7 | Assessment of different methods of cultivation of Onion | DOGRI, Rajagurunagar | Onion | 2 | - | 6 | 4 |
| 8 | Assessment of Chilli Thrips management technologies | IIVR, Varnasi | Chilli | 5 | - | 1 | 1 |
| 9 | Assessment of Tick infestation in cross breed HF Cows | IVRI, Izatnagar | HF Cows | 10 | - | 5 | 6 |
| 10 | Stemfly management in Blackgram | UAS, Raichur | Blackgram | - | 12 | 8 | 6 |
| 11 | Income maximization in Pigeonpea through pumpkin intercrop | UAS, Raichur | Pigeonpea | - | 12 | 4 | 4 |
| 12 | Demonstration of Stemfly and Anthracnose management in Greengram | UAS, Raichur | Greengram | - | 12 | 4 | 3 |
| 13 | Demonstration of improved Blackgram variety TRCRU-22 during summer | UAS, Raichur | Blackgram | - | 12 | 5 | 5 |
| 14 | Demonstration of new Rust resistant Soybean Variety DSB-21 | UAS, Raichur | Soybean | - | 12 | 7 | 6 |
| 15 | Demonstration of Leaf spot and Phyllody management in Sesamum | UAS, Raichur | Sesamum | - | 12 | 4 | 4 |
| 16 | Demonstration of Leaf spot and Powdery mildew management in Sunflower | UAS, Raichur | Sunflower | - | 12 | 4 | 4 |
| 17 | Nutritional disorder (Zn and Fe) management in maize | UAS, Raichur | Maize | - | 5 | 4 | 4 |
| 18 | Ecofriendly pest management in Sugarcane | UAS, Raichur | Sugarcane | - | 12 | 7 | 6 |
| 19 | Integrated Nutrient Management in Sugarcane | UAS, Raichur | Sugarcane | - | 5 | 6 | 4 |
| 20 | Demonstration of New Variety of Sweet Potato | CPRI, Solan | Sweet Potato | - | 10 | 5 | 5 |
| 21 | ICM in Drumstick | UHS Bagalkot | Drumstick | - | 5 | 8 | 4 |
| 22 | Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region | UHS Bagalkot | Bachelors Button | - | 10 | 3 | 7 |
| 23 | Demonstration on INM in Mango | IIHR, Bengaluru | Mango | - | 10 | 6 | 4 |
| 24 | ICM in Ginger | IISR, Calicut | Ginger | - | 10 | 6 | 4 |
| 25 | Eco-Friendly pest management in Chilli | UAS, Raichur | Chilli | - | 12 | 5 | 6 |
| 26 | Establishing Fodder Cafeteria for stall fed goat farms | TANUVAS, Chennai | Fodder | - | 5 | 8 | 6 |
| 27 | Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31 | TNAU, Coimbatore | Fodder | - | 10 | 3 | 6 |
| 28 | Integrated Dairy Management | KVAFSU, Bidar | Dairy | - | 10 | 6 | 4 |
| 29 | Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes | TANUVAS, Chennai | Animal | - | 20 | 5 | 5 |
| 30 | Nutrigarden Demonstration of Nutrigarden in urban areas | UAS, Raichur | Nutri Garden | - | 05 | 8 | 4 |

**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** |
| 2 | 0 | 0 | 0 | 6 | 1 | 4 | 1 | 187 | 59 | 47 | 19 | 199 | 87 | 93 | 32 |
| 3 | 0 | 2 | 0 | 7 | 2 | 3 | 0 | 139 | 41 | 37 | 11 | 127 | 29 | 23 | 13 |
| 0 | 0 | 2 | 0 | 6 | 3 | 3 | 0 | 244 | 87 | 73 | 51 | 122 | 27 | 12 | 11 |
| 3 | 0 | 2 | 0 | 7 | 1 | 4 | 0 | 192 | 87 | 23 | 21 | 117 | 27 | 33 | 32 |
| 2 | 1 | 2 | 0 | 8 | 0 | 4 | 0 | 135 | 24 | 68 | 09 | 124 | 65 | 37 | 80 |
| 2 | 0 | 0 | 0 | 5 | 0 | 7 | 0 | 217 | 49 | 86 | 35 | 271 | 69 | 83 | 45 |
| 2 | 0 | 0 | 0 | 7 | 0 | 5 | 0 | 192 | 87 | 23 | 21 | 117 | 27 | 33 | 32 |
| 2 | 1 | 1 | 1 | 3 | 0 | 2 | 0 | 139 | 41 | 37 | 11 | 127 | 29 | 23 | 13 |
| 5 | 1 | 2 | 2 | 7 | 1 | 4 | 0 | 244 | 87 | 73 | 51 | 122 | 27 | 12 | 11 |
| - | - | - | - | 1 | 1 | 3 | 0 | 217 | 49 | 86 | 35 | 271 | 69 | 83 | 45 |
| - | - | - | - | 6 | 0 | 3 | 1 | 139 | 41 | 37 | 11 | 127 | 29 | 23 | 13 |
| - | - | - | - | 3 | 0 | 2 | 0 | 244 | 87 | 73 | 51 | 122 | 27 | 12 | 11 |
| - | - | - | - | 4 | 2 | 4 | 0 | 187 | 59 | 47 | 19 | 199 | 87 | 93 | 32 |
| - | - | - | - | 6 | 0 | 4 | 0 | 217 | 49 | 86 | 35 | 271 | 69 | 83 | 45 |
| - | - | - | - | 5 | 0 | 4 | 1 | 192 | 87 | 23 | 21 | 117 | 27 | 33 | 32 |
| - | - | - | - | 7 | 2 | 0 | 3 | 139 | 41 | 37 | 11 | 127 | 29 | 23 | 13 |
| - | - | - | - | 2 | 1 | 2 | 0 | 192 | 87 | 23 | 21 | 117 | 27 | 33 | 32 |
| - | - | - | - | 5 | 3 | 0 | 2 | 187 | 59 | 47 | 19 | 199 | 87 | 93 | 32 |
| - | - | - | - | 4 | 2 | 3 | 1 | 139 | 41 | 37 | 11 | 127 | 29 | 23 | 13 |
| - | - | - | - | 4 | 2 | 6 | 0 | 244 | 87 | 73 | 51 | 122 | 27 | 12 | 11 |
| - | - | - | - | 3 | 0 | 2 | 0 | 192 | 87 | 23 | 21 | 117 | 27 | 33 | 32 |

**PART IV - On Farm Trial**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Integrated Nutrient Management | - | 1 | 1 | - | - | - | - | - | - | 2 |
| Varietal Evaluation | - | 1 | 1 | - | - | - | - | - | - | 2 |
| Integrated Pest Management | - | - | - | - | 1 | - | - | - | - | 1 |
| 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 | - | - | 1 | - | 1 | - | - | - | - | 2 |
| Farm Mechanization | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| Others | - | - | - | - | - | - | - | - | - | - |
| **Total** | - | **2** | **3** |  | **2** | - | - | - | - | **7** |

**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 | 1 | - | - | - | - | - |
| Value Addition | - | - | - | - | - | - |
| Production and Management | - | - | - | - | - | - |
| Feed and Fodder | 1 | - | - | - | - | - |
| Small Scale income generating enterprises | - | - | - | - | - | - |
| Dairy | - | - | - | - | - | - |
| Others (Pl. specify) | - | - | - | - | - | - |
| **TOTAL** | **2** | - | - | - | - | - |

**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 | Soybean | Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean | 5 | 5 | 2.0 |
| Chickpea | Assessment of technology for correction of Sulphur deficiency in chickpea | 5 | 5 | 2.0 |
| Varietal Evaluation | Sesamum | Assessment of Sesame genotypes during Summer | 2 | 2 | 0.8 |
| Chickpea | Assessment of varieties for wilt, dry root rot and rust disease resistance in Chickpea | 5 | 5 | 2.0 |
| Integrated Pest Management | Chilli | Assessment of Chilli Thrips management technologies | 2 | 2 | 0.8 |
| 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 | - | - | - | - | - |
| - | - | - | - | - |
| Cropping Systems | Pigeonpea | Assessment of Planting methods in Pigeonpea under Rainfed condition | 2 | 2 | 0.8 |
| Onion | Assessment of different methods of cultivation of Onion | 2 | 2 | 0.8 |
| Farm Mechanization | - | - | - | - | - |
| Others, Pl specify | - | - | - | - | - |
| **Total** | - | - | **23** | **23** | **9.2** |

**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 | HF Cows | Assessment of Tick infestation in cross breed HF Cows | 10 | 10 |
| Processing and Value addition | - | - | - | - |
| Production and management | - | - | - | - |
| Feed and fodder management | Fodder | Assessment of New forage, Super Napier for its productivity and forage quality | 5 | 5 |
| Small scale income generating enterprises | - | - | - | - |
| Others, pl. specify | - | - | - | - |
| **Total** | | | **15** | **15** |

**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. Technologies assessed under various enterprises by KVKs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No** | **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. Technologies assessed under various enterprises for women empowerment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No** | **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 |
| Pigeonpea | Rainfed | Weed management and Moisture Stress | Assessment of Planting methods in Pigeonpea under Rainfed condition | 2 | TO1 : Farmers Practice | - | 13.0 | q/ha | 1.Without using herbicides weed management can be done (Ecofriendly)  2. Labour saving technology (women labour can reduce 15 to 5 per ac) | 79300 | 44300 | 1.2 |
| TO2 : Sowing (90 X 30 cm) and one hand weeding (20-30 DAS and inter cultivation @ 40 and 60 DAS) | UAS Raichur | 16.25 | q/ha | 99125 | 64125 | 1.8 |
| TO3 : Square planting , dibbling 2 seeds per hill and both direction intercultivation@25 and 50 DAS  (100 X 100 cm) | PJTSAU, Hyderabad | 17.50 | q/ha | 106750 | 73250 | 2.1 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Soybean | Rainfed | Deficiency of Sulphur, & Boron in soils | Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean | 5 | TO1 : 20:40:10 NPK kg/ha. | - | 12.5 | q/ha | 100 Seed Weight  TO1 : 6.90 gm  TO2 : 8.15 gm  TO3 : 11.23 gm | 81250 | 58750 | 3.61 |
| TO2 : RDF(40:80:25 NPK kg/ha) + 12 kg Zinc sulphate | UAS, Raichur | 16.25 | q/ha | 105625 | 82525 | 4.57 |
| TO3 : RDF + 30 kg Sulphur +12 kg Zinc Sulphate +1.5 kg Boron | CAU, Imphal | 18.5 | q/ha | 120250 | 95950 | 4.94 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chickpea | Rainfed | Dry Root Rot (70%) and Wilt (5 %) | Assessment of varieties for wilt, dry root rot and rust disease resistance in Chickpea | 2 | TO1 : JG-11 | - | 12.8 | q/ha | % Disease Incidence  TO1 : 13  TO2 : 10  TO3 : 8 | 51200 | 23900 | 1.88 |
| TO2 : BGD-103 | UASD | 14.3 | q/ha | 57200 | 29900 | 2.09 |
| TO3 : NBeG-47 | ANGRAU | 15.5 | q/ha | 62000 | 33500 | 2.18 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chickpea | Rainfed | Deficiency of Sulphur in Soils | Assessment of technology for correction of Sulphur deficiency in chickpea | 5 | TO1 : Farmers Practice | - | 10.00 | q/ha | No. of Pods/Plant  TO1 : 12  TO2 : 16  TO3 : 19 | 48000 | 21200 | 1.79 |
| TO2 : RDF (25 Kg N + 50 Kg P2O5 ha-1) | UASR | 11.25 | q/ha | 54000 | 26500 | 1.96 |
| TO3 : RDF + 10 Kg S ha-1 | IIPR, Kanpur | 12.00 | q/ha | 57600 | 28600 | 1.98 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sesamum | Rainfed | Non availability of high yielding variety during summer under irrigated condition | Assessment of Sesame genotypes during Summer | 5 | TO1 : Farmers Variety | - | Vegetative Stage | | | | | |
| TO2 : DS-5 | UAS Dharwad |
| TO3 : SVPR 1 | TNAU |
| TO4 : Swetha | PJTSAU |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Onion | Irrigated | Weed, water scarcity and Low yield | Assessment of different methods of cultivation of Onion | 2 | TO1 : Farmers practices (Flatbed with furrow irrigation) | - | 25 | t/ha | Bulb Diameter  TO1 : 2.34  TO2 : 4.12  TO3 : 4.81 | 2,60,000 | 2,00,000 | 4.33 |
| TO2 : Raised bed with drip | UHS, Bagalkot | 36 | t/ha | 3,61,500 | 2,92,000 | 5.10 |
| TO3 : Raised bed with mulching and drip | DOGRI, Rajagurunagar | 40 | t/ha | 3,70,000 | 2,98,000 | 4.63 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Chilli | Irrigated | Thrips incidence and non-judicious use of chemicals | Assessment of Chilli Thrips management technologies | 2 | TO1 : Farmers Practice | - | Yet to be Implemented during Summer | | | | | |
| TO2 : IPM | UASR |
| TO3 : Use of Protection cover & Biocontrol agents as spray | IIVR, Varnasi |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder | Irrigated | Non availability of high yielding perennial fodder varieties | Assessment of New forage, Super Napier for its productivity and forage quality | 5 | TO1 : NB-21 | UAS, Dharwad | 142 | Ton/ Ha/ Year | 1. No. of Tillers/Plant (1 year)  TO1 : 11  TO2 : 15  TO3 : 31 | 172000 | 117000 | 3.13 |
| TO2 : Co-3 | TNAU, Coimbatore | 192 | Ton/ Ha/ Year | 232000 | 164000 | 3.41 |
| TO3 : Super Napier | PJTSAU, Hyderabad | 386 | Ton/ Ha/ Year | 464000 | 386000 | 5.95 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
| HF Cows | - | Ectoparasite (ticks) infestation and reinfestation leading to low milk yield | Assessment of Tick infestation in cross breed HF Cows | 10 | TO1 : Deltamethrin (1.25 %) solution @ 3ml/lit of water, spray to the cow and repeat after 21 days | KVAFSU, Bidar | 9.80 | Milk yield/ day/ cow | |  |  |  |  | | --- | --- | --- | --- | | **Day after treatment** | **No. of ticks /sq. inch area** | | | | **TO1** | **TO2** | **TO3** | | 0 | +++ | +++ | +++ | | 3 | ++ | + | - | | 15 | - | - | - | | 30 | - | - | - | | 45 | ++ | + | - | | 60 | +++ | ++ | + | | BCS (0 to 5)  (60th day) | 3.50 | 4.00 | 4.50 | | 392 | 292 | 3.92 |
| TO2 : Flumethrin (1 %) solution @ 1ml/10 kg bwt topically along the midline of that from mid shoulder to tail setting and repeat after 21 days | TANUVAS Chennai | 10.56 | Milk yield/ day/ cow | 422.40 | 322.40 | 4.22 |
| TO3 : Amitraz (1%) + cypermethrin(1%) + piperonyl butoxide (5%) solution @ 1ml/10 kg bwt topically along the midline of that from mid shoulder to tail setting and repeat after 21 days | IVRI, Izatnagar | 11.38 | Milk yield/ day/ cow | 455.20 | 355.20 | 4.55 |

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. Assessment of Planting methods in Pigeonpea under Rainfed condition**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of Planting methods in Pigeonpea under Rainfed condition |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Farmers Practice  TO2 : Sowing (90 X 30 cm) and one hand weeding (20-30 DAS and inter cultivation @ 40 and 60 DAS)  TO3 : Square planting , dibbling 2 seeds per hill and both direction intercultivation@25 and 50 DAS  (100 X 100 cm)   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Yield (q/ha) | 13.0 | 16.25 | 17.5 | |
| 3 | Specific Feedback from farmers | **:** | Without using Herbicide weed management is easy |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Effective use of Planting Method help to control both side |
| 5 | Feedback to Research System based on results and feedback received | **:** |  |
| 6 | Feedback on usefulness and constraints of technology | **:** | High Rainfall / Continuous Rainfall |

**2. Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of Technology for correction of Sulphur, Zinc & Boron deficiency in Soybean |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : 20:40:10 NPK kg/ha.  TO2 : RDF(40:80:25 NPK kg/ha) + 12 kg Zinc sulphate  TO3 : RDF + 30 kg Sulphur +12 kg Zinc Sulphate +1.5 kg Boron   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Yield (q/ha) | 12.5 | 16.25 | 18.5 | | 100 Seed Weight (gm) | 6.90 | 8.15 | 11.23 | |
| 3 | Specific Feedback from farmers | **:** | High number of pods/plant, high yield |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Bold Seeds & Deficiencies not observed |
| 5 | Feedback to Research System based on results and feedback received | **:** | - |
| 6 | Feedback on usefulness and constraints of technology | **:** | - |

**3. Assessment of varieties for wilt, dry root rot and rust disease resistance in Chickpea**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of varieties for wilt, dry root rot and rust disease resistance in Chickpea |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : JG-11  TO2 : BGD-103  TO3 : NBeG-47   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Dry Root Rot Disease | 13% | 10% | 8% | |
| 3 | Specific Feedback from farmers | **:** | Time of Sowing & Soil Moisture is important |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Quality Seed Production |
| 5 | Feedback to Research System based on results and feedback received | **:** | Genotype Resistance & Dry Root Rot |
| 6 | Feedback on usefulness and constraints of technology | **:** | Soil & Seed Borne diseases, IDM Must |

**4. Assessment of technology for correction of Sulphur deficiency in chickpea**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of technology for correction of Sulphur deficiency in chickpea |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Farmers Practice  TO2 : RDF (25 Kg N + 50 Kg P2O5 ha-1)  TO3 : RDF + 10 Kg S ha-1   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Yield (q/ha) | 10.0 | 11.25 | 12.0 | | No. of Pods/Plant (No) | 12 | 16 | 19 | |
| 3 | Specific Feedback from farmers | **:** | More number of Pods/Plant |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Deficiencies not observed |
| 5 | Feedback to Research System based on results and feedback received | **:** | - |
| 6 | Feedback on usefulness and constraints of technology | **:** | - |

**5. Assessment of Sesame genotypes during Summer**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of Sesame genotypes during Summer |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Farmers Variety  TO2 : DS-5  TO3 : SVPR 1  TO4 : Swetha   |  |  |  |  |  | | --- | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | | **TO1** | **TO2** | **TO3** | **TO4** | |  | Vegetative Stage | | | | |
| 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 | **:** | - |

**6. Assessment of different methods of cultivation of Onion**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of different methods of cultivation of Onion |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Farmers practices (Flatbed with furrow irrigation)  TO2 : Raised bed with drip  TO3 : Raised bed with mulching and drip   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Plant height (cm) | 23.16 | 32.81 | 39.66 | |
| 3 | Specific Feedback from farmers | **:** | This Technology not suitable for rainy season |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Well suits in Sandy loam & Medium black soil |
| 5 | Feedback to Research System based on results and feedback received | **:** | Designing the mulch suitable for Transplanting of seedlings |
| 6 | Feedback on usefulness and constraints of technology | **:** | Precise use of Fertilizers, Labourer & Water Transplanting & replanting is labourious. |

**7. Assessment of Chilli Thrips management technologies**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of Chilli Thrips management technologies |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Farmers Practice  TO2 : IPM  TO3 : Use of Protection cover & Biocontrol agents as spray   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | |  | Yet to be Implemented during Summer | | | |
| 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 | **:** | - |

**8. Assessment of New forage, Super Napier for its productivity and forage quality**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of New forage, Super Napier for its productivity and forage quality |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : NB-21  TO2 : Co-3  TO3 : Super Napier   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Green Fodder Yield (t/ha/year) | 142 | 192 | 386 | |
| 3 | Specific Feedback from farmers | **:** | More biomass and height of the Green fodder plant is 12 to 14 ft |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Right time of harvesting – More Juiciness & Moisture.  So, More palatability and it improves digestion. |
| 5 | Feedback to Research System based on results and feedback received | **:** | Soften leaf margins and no waxy coating on leaf surface |
| 6 | Feedback on usefulness and constraints of technology | **:** | Late Harvesting – More crude fibre in plant leads to less palatability |

**9. Assessment of Tick infestation in cross breed HF Cows**

|  |  |  |  |
| --- | --- | --- | --- |
| 1 | Title of Technology Assessed | **:** | Assessment of Tick infestation in cross breed HF Cows |
| 2 | Performance of the Technology on specific indicators | **:** | TO1 : Deltamethrin (1.25 %) solution @ 3ml/lit of water, spray to the cow and repeat after 21 days  TO2 : Flumethrin (1 %) solution @ 1ml/10 kg bwt topically along the midline of that from mid shoulder to tail setting and repeat after 21 days  TO3 : Amitraz (1%) + cypermethrin(1%) + piperonyl butoxide (5%) solution @ 1ml/10 kg bwt topically along the midline of that from mid shoulder to tail setting and repeat after 21 days   |  |  |  |  | | --- | --- | --- | --- | | **Data on Parameters** | **Data on the performance indicators of the technology assessed / refined** | | | | **TO1** | **TO2** | **TO3** | | Milk Yield (/day/cow) | 9.80 | 10.56 | 11.38 | |
| 3 | Specific Feedback from farmers | **:** | Farmer friendly technology |
| 4 | Specific Feedback from Extension personnel and other stakeholders | **:** | Tick infestation and reinfestation is not seen upto 6oth day in TO3 Group |
| 5 | Feedback to Research System based on results and feedback received | **:** | To prevent the tick reinfestation new drug molecule is required |
| 6 | Feedback on usefulness and constraints of technology | **:** | Tick Reinfestation |

**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 |  |  |  |  |  |  |  |
|  |  |  |  |  | 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 | Soybean | DSB-21 | - | Varietal Evaluation | Demonstration of new Rust resistant Soybean Variety DSB-21 | 5.0 | 5.0 | 4 | 8 | 9 | 3 |
| 2 | Rainfed | Rabi | Sesamum | DS-5 | - | IDM | Demonstration of Leaf spot and Phyllody management in Sesamum | 5.0 | 5.0 | 5 | 7 | 8 | 4 |
| 3 | Rainfed | Rabi | Sunflower | RSFH – 1887 | - | ICM | Demonstration of Leaf spot and Powdery mildew management in Sunflower | 5.0 | 5.0 | 3 | 9 | 10 | 2 |
| 4 | **Pulses** | Rainfed | Kharif | Blackgram | DU-1 | - | IPM | Stemfly management in Blackgram | 5.0 | 5.0 | 4 | 8 | 8 | 4 |
| 5 | Rainfed | Kharif | Pigeonpea | GRG-152 | - | ICM | Income maximization in Pigeonpea through pumpkin intercrop | 5.0 | 5.0 | 5 | 7 | 4 | 8 |
| 6 | Rainfed | Kharif | Greengram | BGS-9 | - | IDM | Demonstration of Stemfly and Anthracnose management in Greengram | 5.0 | 5.0 | 4 | 8 | 3 | 9 |
| 7 | Rainfed | Summer | Blackgram | TRCRU-22 | - | Varietal Evaluation | Demonstration of improved Blackgram variety TRCRU-22 during summer | 5.0 | 5.0 | 3 | 9 | 8 | 4 |
| 8 | **Cereals** | Irrigated | Kharif | Maize | NK -6240 | - | INM | Nutritional disorder (Zn and Fe) management in maize | 2.0 | 2.0 | 2 | 3 | 4 | 1 |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | **Vegetables** | Irrigated | Kharif | Sweet Potato | V-12 | - | Varietal Evaluation | Demonstration of New Variety of Sweet Potato | 4.0 | 4.0 | 4 | 6 | 7 | 3 |
| 10 | Irrigated | Kharif | Drumstick | Bhagya | - | ICM | ICM in Drumstick | 2.0 | 2.0 | 1 | 4 | 3 | 2 |
| 11 | Irrigated | Summer | Chilli | Sitara | - | IPM | Eco-Friendly pest management in Chilli | 5.0 | 5.0 | 3 | 9 | 8 | 4 |
| 12 | **Flowers** | Irrigated | Kharif | Bachelors Button | AGS-12 | - | Varietal Evaluation | Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region | 2.0 | 2.0 | 3 | 7 | 8 | 2 |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | **Fruit** | Irrigated | Summer | Mango | Dasheri | - | INM | Demonstration on INM in Mango | 4.0 | 4.0 | 4 | 6 | 7 | 3 |
| 14 | **Spices and condiments** | Irrigated | Kharif | Ginger | Humnabad Local | - | ICM | ICM in Ginger | 4.0 | 4.0 | 3 | 7 | 8 | 2 |
| 15 | **Commercial** | Irrigated | Rabi | Sugarcane | CO-86032 | - | IPM | Ecofriendly pest management in Sugarcane | 5.0 | 5.0 | 5 | 7 | 8 | 4 |
| 16 | Irrigated | Rabi | Sugarcane | CO-86032 | - | INM | Integrated Nutrient Management in Sugarcane | 2.0 | 2.0 | 2 | 3 | 4 | 1 |
|  | Medicinal & Aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | **Fodder** | Irrigated | Kharif | Fodder | CoFS-29 & CoFS-31 | - | Varietal Evaluation | Establishing Fodder Cafeteria for stall fed goat farms | 4.0 | 4.0 | 4 | 6 | 3 | 7 |
| 18 | Irrigated | Kharif | Fodder | CoFS-31 | - | Varietal Evaluation | Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31 | 2.0 | 2.0 | 1 | 4 | 3 | 2 |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | **Dairy** | Irrigated | Kharif | Dairy |  |  | Dairy Management | Integrated Dairy Management | 4.0 | 4.0 | 3 | 7 | 8 | 2 |
| 20 | Irrigated | Kharif | Animals |  |  | Disease management | Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes | - | - | 6 | 14 | 8 | 12 |
|  | Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Common carps |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Mussels |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Ornamental fishes |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Implements |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Others (specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Category** | **Farming**  **Situation** | **Season**  **& Year** | **Crop** | **Variety/ breed** | **Hybrid** | **Thematic area** | **Technology Demonstrated** | **Season and year** | **Status of soil** | | | **Previous crop grown** |
| **N** | **P** | **K** |
| 1 | **Oilseeds** | Rainfed | Kharif 2021 | Soybean | DSB-21 | - | Varietal Evaluation | Demonstration of new Rust resistant Soybean Variety DSB-21 | Kharif 2021 | L | L | H | Bengalgram |
| 2 | Rainfed | Rabi 2021 | Sesamum | DS-5 | - | IDM | Demonstration of Leaf spot and Phyllody management in Sesamum | Rabi 2021 | H | L | L | Rabi Jowar |
| 3 | Rainfed | Rabi 2021 | Sunflower | RSFH – 1887 | - | ICM | Demonstration of Leaf spot and Powdery mildew management in Sunflower | Rabi 2021 | M | M | H | Greengram |
| 4 | **Pulses** | Rainfed | Kharif 2021 | Blackgram | DU-1 | - | IPM | Stemfly management in Blackgram | Kharif 2021 | H | M | M | Sorghum |
| 5 | Rainfed | Kharif 2021 | Pigeonpea | GRG-152 | - | ICM | Income maximization in Pigeonpea through pumpkin intercrop | Kharif 2021 | L | M | M | Bengalgram |
| 6 | Rainfed | Kharif 2021 | Greengram | BGS-9 | - | IDM | Demonstration of Stemfly and Anthracnose management in Greengram | Kharif 2021 | M | M | H | Sorghum |
| 7 | Rainfed | Summer 2022 | Blackgram | TRCRU-22 | - | Varietal Evaluation | Demonstration of improved Blackgram variety TRCRU-22 during summer | Summer 2022 | L | M | M | Bengalgram |
| 8 | **Cereals** | Irrigated | Kharif 2021 | Maize | NK -6240 | - | INM | Nutritional disorder (Zn and Fe) management in maize | Kharif 2021 | M | M | M | Redgram |
|  | Millets |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | **Vegetables** | Irrigated | Kharif 2021 | Sweet Potato | V-12 | - | Varietal Evaluation | Demonstration of New Variety of Sweet Potato | Kharif 2021 | L | M | M | Cucumber |
| 10 | Irrigated | Kharif 2021 | Drumstick | Bhagya | - | ICM | ICM in Drumstick | Kharif 2021 | L | M | L | Ginger |
| 11 | Irrigated | Summer 2022 | Chilli | Sitara | - | IPM | Eco-Friendly pest management in Chilli | Summer 2022 | M | M | L | Redgram |
| 12 | **Flowers** | Irrigated | Kharif 2021 | Bachelors Button | AGS-12 | - | Varietal Evaluation | Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region | Kharif 2021 | M | M | M | Papaya |
| 13 | **Fruit** | Irrigated | Summer 2022 | Mango | Dasheri | - | INM | Demonstration on INM in Mango | Summer 2022 | M | H | M | Redgram |
|  | Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | **Spices and condiments** | Irrigated | Kharif 2021 | Ginger | Humnabad Local | - | ICM | ICM in Ginger | Kharif 2021 | L | M | L | Ginger |
| 15 | **Commercial** | Irrigated | Rabi 2021 | Sugarcane | CO-86032 | - | IPM | Ecofriendly pest management in Sugarcane | Rabi 2021 | L | H | M | Redgram |
| 16 | Irrigated | Rabi 2021 | Sugarcane | CO-86032 | - | INM | Integrated Nutrient Management in Sugarcane | Rabi 2021 | M | M | M | Papaya |
|  | Medicinal & aromatic |  |  |  |  |  |  |  |  |  |  |  |  |
| 17 | **Fodder** | Irrigated | Kharif 2021 | Fodder | CoFS-29 & CoFS-31 | - | Varietal Evaluation | Establishing Fodder Cafeteria for stall fed goat farms | Kharif 2021 | L | L | H | Fodder |
| 18 | Irrigated | Kharif 2021 | Fodder | CoFS-31 | - | Varietal Evaluation | Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31 | Kharif 2021 | H | L | L | Fodder |
|  | Plantation |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Fibre |  |  |  |  |  |  |  |  |  |  |  |  |
| 19 | **Dairy** | Irrigated | Kharif 2021 | Dairy | - | - | Dairy Management | Integrated Dairy Management | Kharif 2021 | M | M | L | - |
| 20 | Irrigated | Kharif 2021 | Animals | - | - | Disease management | Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes | Kharif 2021 | M | M | H | - |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**5.B. Results of FLDs**

**5.B.1. Crops**

| **Crop** | **Name of the technology demonstrated** | **Variety** | **Hybrid** | **Farming situation** | **No. of Demo.** | **Area**  **(ha)** | **Yield (q/ha)** | | | | **% Increase** | **Economics of demonstration (Rs./ha)** | | | **Economics of Check (Rs./ha)** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Demo** | | | **Check** | **Gross**  **Return** | **Net Return** | **BCR** | **Gross**  **Return** | **Net Return** | **BCR** |
| **H** | **L** | **A** |
| **OILSEEDS** | | | | | | | | | | | | | | | | | |
| Soybean | Demonstration of new Rust resistant Soybean Variety DSB-21 | DSB-21 | - | Rainfed | 12 | 5.0 | 26 | 23 | 24.5 | 20 | 22.5 | 164250 | 112950 | 51300 | 146150 | 95150 | 51000 |
| Sesamum | Demonstration of Leaf spot and Phyllody management in Sesamum | DS-5 | - | Rainfed | 12 | 5.0 | 8.5 | 7.0 | 8.15 | 7.0 | 16.0 | 49500 | 37500 | 12000 | 42000 | 31000 | 11000 |
| Sunflower | Demonstration of Leaf spot and Powdery mildew management in Sunflower | RSFH –1887 | - | Rainfed | 12 | 5.0 | 16.0 | 14.5 | 15.25 | 13.5 | 12.9 | 91500 | 74500 | 17000 | 81000 | 64800 | 16200 |
| **PULSES** | | | | | | | | | | | | | | | | | |
| Blackgram | Stemfly management in Blackgram | DU-1 | - | Rainfed | 12 | 5.0 | 16.25 | 12.50 | 14.81 | 10.93 | 35.49 | 81484 | 65984 | 5.25 | 60141 | 44891 | 3.94 |
| Pigeonpea | Income maximization in Pigeonpea through pumpkin intercrop | GRG-152 | - | Rainfed | 12 | 5.0 | 17.5 | 16.5 | 17.0 | 13.5 | 25.92 | 103700 | 68700 | 1.9 | 82350 | 48850 | 1.4 |
| Greengram | Demonstration of Stemfly and Anthracnose management in Greengram | BGS-9 | - | Rainfed | 12 | 5.0 | 9.0 | 8.4 | 8.7 | 7.5 | 16 | 52200 | 38000 | 14500 | 45000 | 31500 | 13500 |
| Blackgram | Demonstration of improved Blackgram variety TRCRU-22 during summer | TRCRU-22 | - | Rainfed | 12 | 5.0 | 10 days planting / Vegetative Stage | | | | | | | | | | |
| **CEREALS** | | | | | | | | | | | | | | | | | |
| Maize | Nutritional disorder (Zn and Fe) management in maize | NK -6240 | - | Irrigated | 5 | 2.0 | 53 | 51 | 52 | 46 | 13.04 | 83200 | 54200 | 2.86 | 73600 | 45800 | 2.64 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **VEGETABLES** | | | | | | | | | | | | | | | | | |
| Sweet Potato | Demonstration of New Variety of Sweet Potato | Sree Bhadra | - | Irrigated | 10 | 4.0 | 15 | 12 | 13 | 12 | 25 | 2,60,000 | 2,00,000 | 4.30 | 2,00,000 | 1,90,000 | 4.0 |
| Drumstick | ICM in Drumstick | Bhagya | - | Irrigated | 5 | 2.0 | 7 | 5 | 6.5 | 5 | 40 | 1,95,000 | 1,25,000 | 2.78 | 1,00,000 | 60,000 | 2.5 |
| Chilli | Eco-Friendly pest management in Chilli | Sitara | - | Irrigated | 12 | 5.0 | Yet to be Implemented during Summer | | | | | | | | | | |
| **FLOWERS** | | | | | | | | | | | | | | | | | |
| Bachelors Button | Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region | AGS-12 | - | Irrigated | 10 | 2.0 | 3 | 2 | 2 | 2 | 50 | 1,60,000 | 1,10,000 | 3.2 | 1,10,000 | 80,000 | 2.75 |
| Ornamental |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FRUIT** | | | | | | | | | | | | | | | | | |
| Mango | Demonstration on INM in Mango | Dasheri | - | Irrigated | 10 | 4.0 | Crop is in Fruiting Stage | | | | | | | | | | |
| **SPICES AND CONDIMENTS** | | | | | | | | | | | | | | | | | |
| Ginger | ICM in Ginger | Humnabad Local | - | Irrigated | 10 | 4.0 | 18 | 14 | 16 | 14 | 28 | 325000 | 270000 | 4.06 | 280000 | 200000 | 3.50 |
| **COMMERCIAL** | | | | | | | | | | | | | | | | | |
| Sugarcane | Ecofriendly pest management in Sugarcane | CO-86032 | - | Irrigated | 12 | 5.0 | Crop is in Harvesting Stage | | | | | | | | | | |
| Sugarcane | Integrated Nutrient Management in Sugarcane | CO-86032 | - | Irrigated | 5 | 2.0 | 108 t/ha | 102 t/ha | 105 t/ha | 88.75 t/ha | 18.30 | 231000 | 132000 | 2.33 | 195250 | 102450 | 2.10 |
| Fibre crops like cotton |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **FODDER** | | | | | | | | | | | | | | | | | |
| Fodder | Establishing Fodder Cafeteria for stall fed goat farms | CoFS-29 & CoFS-31 | - | Irrigated | 5 | 2.0 | 46 kg body wt | 34 kg body wt | 40 kg body wt | 29 kg body wt | 37.93 | 16000 | 12800 | 5.00 | 11600 | 8400 | 3.63 |
| Fodder | Demonstration and seed production potential of multicut fodder sorghum varieties CoFS-31 | CoFS-31 | - | Irrigated | 10 | 4.0 | 8.5 | 6.5 | 7.5 | 5.26 | 42.58 | 300000 | 240000 | 5.0 | 210400 | 150400 | 3.50 |
| Plantation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

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

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

|  |  |  |
| --- | --- | --- |
| **Data on other parameters in relation to technology demonstrated** | | |
| **Parameter with unit** | **Demo** | **Check** |
| **1. Soybean : Demonstration of new Rust resistant Soybean Variety DSB-21** | | |
| No. of nodules/ plant | 7 | 3 |
| % Rust Incidence | 9 | 15 |
| **2. Sesamum : Demonstration of Leaf spot and Phyllody management in Sesamum** | | |
| Leaf Hopper | 8 % | 24 % |
| Phyllody | 6 % | 11 % |
| **3. Sunflower : Demonstration of Leaf spot and Powdery mildew management in Sunflower** | | |
| Leafspot | 6 % | 20 % |
| Powdery Mildew | 8 % | 14 % |
| **4. Blackgram : Stemfly management in Blackgram** | | |
| No of Pods / plant | 24.72 | 33.44 |
| Stemfly (%) | 4 | 13 |
| **5. Pigeonpea : Income maximization in Pigeonpea through pumpkin intercrop** | | |
| % Soil moisture | 29 | 11 |
| % Seedling survival | 95 | 80 |
| **6. Greengram : Demonstration of Stemfly and Anthracnose management in Greengram** | | |
| Stemfly | 5 % | 11 % |
| **7. Blackgram : Demonstration of improved Blackgram variety TRCRU-22 during summer** | | |
|  | 10 days planting / Vegetative Stage | |
| **8. Maize : Nutritional disorder (Zn and Fe) management in Maize** | | |
| Deficiency | Not Observed | Observed |
| **9. Sweet Potato : Demonstration of New Variety of Sweet Potato** | | |
| Vine Length | 120 cm | 80 cm |
| Tuber girth of Tuber | 16.18 square cm | 11.26square cm |
| **10. Drumstick : ICM in Drumstick** | | |
| Length of the Pod | 80 cm | 53.50 cm |
| No. of Pods per plant | 120 | 82 |
| **11. Chilli : Eco-Friendly pest management in Chilli** | | |
|  | Yet to be Implemented during Summer | |
| **12. Bachelors Button : Demonstration and popularization of flower crop Bachelor’s Button (*Gophrena globosa*) for dry region** | | |
| 100 Flower Weight | 15.6 gm | 8.16 gm |
| **13. Mango : Demonstration on INM in Mango** | | |
|  | Crop is in Fruiting Stage | |
| **14. Ginger : ICM in Ginger** | | |
| Plant Height (cm) | 116 | 92.5 |
| Rhizome Length (cm) | 10 | 6 |
| No. of Finger Rhizome | 10 | 7 |
| **15. Sugarcane : Ecofriendly pest management in Sugarcane** | | |
|  | Crop is in Harvesting Stage | |
| **16. Sugarcane : Integrated Nutrient Management in Sugarcane** | | |
| Deficiency | Not Observed | Observed |
| **17. Fodder : Establishing Fodder Cafeteria for stall fed goat farms** | | |
| Hair Texture | Smooth | Rough |
| Fodder Yield (t/ha/year) | | |
| Co-FS-31 | 145 | 110 (Co-Fs – 29) |
| Hedge Lucerne | 35 |
| S*.haemata* | 18 |
| Sesbania | 20 |
| Subabul | 25 |
| **18. Fodder : Demonstration and seed production potential of multicut fodder Sorghum varieties CoFS-31** | | |
| Milk yield (lit/cow/day) | 11.60 | 10.20 |

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** | | | | | | | | | | | | | | | | |
| Dairy | Integrated Dairy Management | CB Cows | 10 | 10 | Milk yield (lit/cow/day) | 16.80 | 8.80 | 12.80 | 9.85 | 29.94 | 512 | 412 | 5.12 | 394 | 294 | 3.94 |
| Animals | Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes | CB Cows & Graded Buffaloes | 20 | 20 | Exhibition of Oestrus Symptoms (No. of Animals) | - | - | 16 | 4 | 300 | - | - | - | - | - | - |
| 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** |
| **19. Dairy : Integrated Dairy Management** | | |
| Fat (%) | 4.10 | 3.60 |
| SNF | 8.90 | 8.30 |
| Sub clinical Mastitis | No incidence | One Case has Shown |
| BCS | 4.00 | 3.50 |
| **20. Animals : Pro Sync - Nano cream progesterone for induction of estrous in repeat breeding Cows & Buffaloes** | | |
| Conception (No. of Animals) | 11 | 1 |

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

\* 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 organised** | **Number of participants** | **Remarks** |
| 1 | Field days | 6 | 518 | - |
| 2 | Farmers Training | 39 | 1579 | - |
| 3 | Media coverage | 23 | 1023 | - |
| 4 | Training for extension functionaries | 7 | 579 | - |
| 5 | Others (Please specify) | 15 | 2000 | - |

**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** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Weed Management | 2 | 39 | 0 | 39 | 12 | 0 | 12 | 51 | 0 | 51 |
| Resource Conservation Technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cropping Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Crop Diversification | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming | 3 | 36 | 16 | 52 | 51 | 45 | 96 | 87 | 61 | 148 |
| Micro Irrigation/Irrigation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Crop Management | 9 | 228 | 25 | 253 | 63 | 06 | 69 | 291 | 31 | 322 |
| Soil and Water Conservation | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Nutrient Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Horticulture** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **a) Vegetable Crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of low value and high volume crop | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Off-season vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery raising | 2 | 19 | 7 | 26 | 3 | 2 | 5 | 22 | 9 | 31 |
| Exotic vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential vegetables | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Grading and standardization | 2 | 13 | 6 | 19 | 5 | 2 | 7 | 18 | 8 | 26 |
| Protective cultivation | 4 | 39 | 12 | 51 | 19 | 8 | 27 | 58 | 20 | 78 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **b) Fruits** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Training and Pruning | 2 | 21 | 6 | 27 | 3 | 2 | 5 | 24 | 8 | 32 |
| Layout and Management of Orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Cultivation of Fruit | 3 | 49 | 19 | 68 | 5 | 9 | 14 | 54 | 28 | 82 |
| Management of young plants/orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rejuvenation of old orchards | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential fruits | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro irrigation systems of orchards | 3 | 57 | 26 | 83 | 15 | 12 | 27 | 72 | 38 | 110 |
| Plant propagation techniques | 1 | 16 | 2 | 18 | 2 | 1 | 3 | 18 | 3 | 21 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **c) Ornamental Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of potted plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Export potential of ornamental plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Propagation techniques of Ornamental Plants | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **d) Plantation crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 3 | 33 | 12 | 45 | 11 | 3 | 14 | 44 | 15 | 59 |
| Processing and value addition | 2 | 21 | 2 | 23 | 1 | 1 | 2 | 22 | 3 | 25 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **e) Tuber crops** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **f) Spices** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and Management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **g) Medicinal and Aromatic Plants** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and management technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post harvest technology and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Soil Health and Fertility Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil fertility management | 2 | 14 | 5 | 19 | 3 | 2 | 5 | 17 | 7 | 24 |
| Integrated water management | 2 | 16 | 3 | 19 | 2 | 1 | 3 | 18 | 4 | 22 |
| Integrated nutrient management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production and use of organic inputs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Management of Problematic soils | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Micro nutrient deficiency in crops | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nutrient use efficiency | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Balanced use of fertilizers | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Soil and water testing | 3 | 33 | 19 | 52 | 5 | 3 | 8 | 38 | 22 | 60 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Livestock Production and Management** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Dairy Management | 4 | 39 | 22 | 61 | 10 | 3 | 13 | 49 | 25 | 74 |
| Poultry Management | 3 | 23 | 9 | 32 | 4 | 1 | 5 | 27 | 10 | 37 |
| Piggery Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rabbit Management | 5 | 59 | 29 | 88 | 15 | 13 | 28 | 74 | 42 | 116 |
| Animal Nutrition Management | 2 | 14 | 12 | 26 | 6 | 1 | 7 | 20 | 13 | 33 |
| Animal Disease Management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Feed and Fodder technology | 5 | 26 | 13 | 39 | 12 | 2 | 14 | 38 | 15 | 53 |
| Production of quality animal products | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Home Science/Women empowerment** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Household food security by kitchen gardening and nutrition gardening | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Design and development of low/minimum cost diet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Designing and development for high nutrient efficiency diet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Minimization of nutrient loss in processing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Processing and cooking | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Gender mainstreaming through SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Storage loss minimization techniques | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women empowerment | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Location specific drudgery production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Rural Crafts | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Women and child care | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Agril. Engineering** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Farm machinery and its maintenance | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Installation and maintenance of micro irrigation systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Use of Plastics in farming practices | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Repair and maintenance of farm machinery and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small scale processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Post Harvest Technology | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Plant Protection** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Pest Management | 9 | 115 | 28 | 143 | 27 | 14 | 41 | 142 | 42 | 184 |
| Integrated Disease Management | 8 | 307 | 34 | 341 | 6 | 3 | 9 | 313 | 37 | 350 |
| Bio-control of pests and diseases | 7 | 92 | 33 | 125 | 17 | 8 | 25 | 109 | 41 | 150 |
| Production of bio control agents and bio pesticides | 5 | 59 | 29 | 88 | 15 | 13 | 28 | 74 | 42 | 116 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Fisheries** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated fish farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carp breeding and hatchery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Carp fry and fingerling rearing | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Composite fish culture | 2 | 16 | 3 | 19 | 2 | 1 | 3 | 18 | 4 | 22 |
| Hatchery management and culture of freshwater prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Breeding and culture of ornamental fishes | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Portable plastic carp hatchery | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pen culture of fish and prawn | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Shrimp farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Edible oyster farming | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Pearl culture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Fish processing and value addition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Production of Inputs at site** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Seed Production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Planting material production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-agents production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-pesticides production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Bio-fertilizer production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Vermi-compost production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Organic manures production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of fry and fingerlings | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Bee-colonies and wax sheets | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Small tools and implements | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of livestock feed and fodder | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production of Fish feed | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mushroom production | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Apiculture | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Capacity Building and Group Dynamics** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Leadership development | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Group dynamics | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Formation and Management of SHGs | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Mobilization of social capital | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Entrepreneurial development of farmers/youths | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (pl.specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **Agro-forestry** | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Production technologies | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Nursery management | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Integrated Farming Systems | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Others (Pl. specify) | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| **TOTAL** | **42** | **909** | **211** | **1120** | **321** | **125** | **446** | **1233** | **339** | **1572** |

**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 | 01 | 16 | - | 16 | 03 | - | 03 | 19 | - | 19 |
| Resource Conservation Technologies | - | - | - | - | - | - | - | - | - | - |
| Cropping Systems | 01 | 23 | 02 | 25 | 06 | 03 | 09 | 29 | 05 | 34 |
| Crop Diversification | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming | 01 | 15 | 02 | 17 | 08 | 05 | 13 | 23 | 07 | 30 |
| Micro Irrigation/Irrigation | - | - | - | - | - | - | - | - | - | - |
| Seed production | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | 05 | 133 | 45 | 178 | 65 | 22 | 87 | 198 | 67 | 265 |
| Soil and Water Conservation | - | - | - | - | - | - | - | - | - | - |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - | - | - |
| Production of organic inputs | 01 | 112 | - | 112 | 24 | - | 24 | 136 | - | 136 |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Horticulture** | - | - | - | - | - | - | - | - | - | - |
| **a) Vegetable Crops** | - | - | - | - | - | - | - | - | - | - |
| Production of low value and high volume crop | - | - | - | - | - | - | - | - | - | - |
| Off-season vegetables | - | - | - | - | - | - | - | - | - | - |
| Nursery raising | 01 | 16 | - | 16 | 04 | - | 04 | 20 | - | 20 |
| Exotic vegetables | - | - | - | - | - | - | - | - | - | - |
| Export potential vegetables | - | - | - | - | - | - | - | - | - | - |
| Grading and standardization | - | - | - | - | - | - | - | - | - | - |
| Protective cultivation | 01 | 30 | - | 30 | 08 | - | 08 | 38 | - | 38 |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **b) Fruits** | - | - | - | - | - | - | - | - | - | - |
| Training and Pruning | - | - | - | - | - | - | - | - | - | - |
| Layout and Management of Orchards | - | - | - | - | - | - | - | - | - | - |
| Cultivation of Fruit | 01 | 18 | - | 18 | 02 | - | 02 | 20 | - | 20 |
| Management of young plants/orchards | - | - | - | - | - | - | - | - | - | - |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Export potential fruits | - | - | - | - | - | - | - | - | - | - |
| Micro irrigation systems of orchards | - | - | - | - | - | - | - | - | - | - |
| Plant propagation techniques | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **c) Ornamental Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery Management | - | - | - | - | - | - | - | - | - | - |
| Management of potted plants | - | - | - | - | - | - | - | - | - | - |
| Export potential of ornamental plants | - | - | - | - | - | - | - | - | - | - |
| Propagation techniques of Ornamental Plants | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **d) Plantation crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **e) Tuber crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **f) Spices** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **g) Medicinal and Aromatic Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Production and management technology | - | - | - | - | - | - | - | - | - | - |
| Post harvest technology and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Soil Health and Fertility Management** | - | - | - | - | - | - | - | - | - | - |
| Soil fertility management | 01 | 20 | 07 | 27 | 05 | 03 | 08 | 25 | 10 | 35 |
| Integrated water management | - | - | - | - | - | - | - | - | - | - |
| Integrated nutrient management | - | - | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Management of Problematic soils | - | - | - | - | - | - | - | - | - | - |
| Micro nutrient deficiency in crops | 01 | 18 | 03 | 21 | 12 | 07 | 19 | 30 | 10 | 40 |
| Nutrient use efficiency | - | - | - | - | - | - | - | - | - | - |
| Balanced use of fertilizers | - | - | - | - | - | - | - | - | - | - |
| Soil and water testing | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Livestock Production and Management** | - | - | - | - | - | - | - | - | - | - |
| Dairy Management | 02 | 32 | 18 | 50 | 05 | 08 | 13 | 37 | 26 | 63 |
| Poultry Management | 02 | 26 | - | 26 | 06 | - | 06 | 32 | - | 32 |
| Piggery Management | - | - | - | - | - | - | - | - | - | - |
| Rabbit Management | - | - | - | - | - | - | - | - | - | - |
| Animal Nutrition Management | 01 | 11 | 14 | 25 | - | 06 | 06 | 11 | 20 | 31 |
| Animal Disease Management | - | - | - | - | - | - | - | - | - | - |
| Feed and Fodder technology | - | - | - | - | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Home Science/Women empowerment** | - | - | - | - | - | - | - | - | - | - |
| Household food security by kitchen gardening and nutrition gardening | - | - | - | - | - | - | - | - | - | - |
| Design and development of low/minimum cost diet | - | - | - | - | - | - | - | - | - | - |
| Designing and development for high nutrient efficiency diet | - | - | - | - | - | - | - | - | - | - |
| Minimization of nutrient loss in processing | - | - | - | - | - | - | - | - | - | - |
| Processing and cooking | - | - | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - | - | - |
| Storage loss minimization techniques | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |
| Women empowerment | - | - | - | - | - | - | - | - | - | - |
| Location specific drudgery production | - | - | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| Women and child care | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Agril. Engineering** | - | - | - | - | - | - | - | - | - | - |
| Farm machinery and its maintenance | - | - | - | - | - | - | - | - | - | - |
| Installation and maintenance of micro irrigation systems | - | - | - | - | - | - | - | - | - | - |
| Use of Plastics in farming practices | - | - | - | - | - | - | - | - | - | - |
| Production of small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - | - | - |
| Small scale processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Plant Protection** | - | - | - | - | - | - | - | - | - | - |
| Integrated Pest Management | 02 | 48 | - | 48 | 11 | - | 11 | 59 | - | 59 |
| Integrated Disease Management | 02 | 55 | - | 55 | 12 | - | 12 | 67 | - | 67 |
| Bio-control of pests and diseases |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides | 01 | 25 | 05 | 30 | 10 | 05 | 15 | 35 | 10 | 45 |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Fisheries** | - | - | - | - | - | - | - | - | - | - |
| Integrated fish farming | - | - | - | - | - | - | - | - | - | - |
| Carp breeding and hatchery management | - | - | - | - | - | - | - | - | - | - |
| Carp fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Hatchery management and culture of freshwater prawn | - | - | - | - | - | - | - | - | - | - |
| Breeding and culture of ornamental fishes | - | - | - | - | - | - | - | - | - | - |
| Portable plastic carp hatchery | - | - | - | - | - | - | - | - | - | - |
| Pen culture of fish and prawn | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Edible oyster farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Fish processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Production of Inputs at site** | - | - | - | - | - | - | - | - | - | - |
| Seed Production | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Bio-agents production | - | - | - | - | - | - | - | - | - | - |
| Bio-pesticides production | - | - | - | - | - | - | - | - | - | - |
| Bio-fertilizer production | - | - | - | - | - | - | - | - | - | - |
| Vermi-compost production | 01 | 21 | 05 | 26 | 08 | 03 | 11 | 29 | 08 | 37 |
| Organic manures production | - | - | - | - | - | - | - | - | - | - |
| Production of fry and fingerlings | - | - | - | - | - | - | - | - | - | - |
| Production of Bee-colonies and wax sheets | - | - | - | - | - | - | - | - | - | - |
| Small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Production of livestock feed and fodder | - | - | - | - | - | - | - | - | - | - |
| Production of Fish feed | - | - | - | - | - | - | - | - | - | - |
| Mushroom production | - | - | - | - | - | - | - | - | - | - |
| Apiculture | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Capacity Building and Group Dynamics** | - | - | - | - | - | - | - | - | - | - |
| Leadership development | - | - | - | - | - | - | - | - | - | - |
| Group dynamics | - | - | - | - | - | - | - | - | - | - |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital | - | - | - | - | - | - | - | - | - | - |
| Entrepreneurial development of farmers/youths | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Agro-forestry** | - | - | - | - | - | - | - | - | - | - |
| Production technologies | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming Systems | 03 | 48 | 24 | 72 | 13 | 08 | 21 | 61 | 32 | 93 |
| Others (Pl. specify) | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **32** | **748** | **163** | **911** | **236** | **92** | **328** | **984** | **255** | **1239** |

**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 | 02 | 22 | - | 22 | 04 | - | 04 | 26 | - | 26 |
| Seed production | - | - | - | - | - | - | - | - | - | - |
| Production of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Vermi-culture | 01 | 19 | - | 19 | 04 | - | 04 | 23 | - | 23 |
| 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 | 01 | - | 04 | 04 | - | 18 | 18 | - | 22 | 22 |
| 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** | **04** | **41** | **04** | **45** | **08** | **18** | **26** | **49** | **22** | **71** |

**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 | 01 | 22 | | 08 | 30 | 09 | 04 | 13 | 31 | 12 | 43 |
| Seed production | - | - | | - | - | - | - | - | - | - | - |
| Production of organic inputs | 01 | 20 | | 12 | 32 | 05 | 08 | 13 | 25 | 20 | 45 |
| Planting material production | - | - | | - | - | - | - | - | - | - | - |
| Vermi-culture | 01 | 20 | | - | 20 | 03 | - | 03 | 23 | - | 23 |
| Mushroom Production | - | - | | - | - | - | - | - | - | - | - |
| Bee-keeping | 01 | 21 | | 05 | 26 | 04 | 02 | 06 | 25 | 07 | 32 |
| 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 | 01 | 29 | | - | 29 | 15 | - | 15 | 44 | - | 44 |
| 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** | **05** | **112** | | **25** | **137** | **36** | **14** | **50** | **148** | **39** | **180** |

**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 | 04 | - | 81 | 81 | - | 50 | 50 | - | 131 | 131 |
| Integrated Nutrient management | 01 | 42 | - | 42 | 18 | - | 18 | 60 | - | 60 |
| 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 | 01 | 51 | 11 | 62 | 25 | 04 | 29 | 76 | 15 | 91 |
| Household food security | - | - | - | - | - | - | - | - | - | - |
| Any other (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Total** | **06** | **93** | **92** | **185** | **43** | **54** | **97** | **136** | **146** | **282** |

**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 | - | | 32 | 32 | - | 11 | 11 | - | 43 | 43 |
| 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 | 02 | 72 | | - | 72 | 37 | - | 37 | 109 | - | 109 |
| Household food security | - | - | | - | - | - | - | - | - | - | - |
| Any other (pl.specify) | - | - | | - | - | - | - | - | - | - | - |
| **Total** | **04** | **72** | | **32** | **104** | **37** | **11** | **48** | **109** | **43** | **152** |

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 | 02 | 53 | 12 | 65 | 22 | 09 | 31 | 75 | 21 | 96 |
| 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** | 01 | 18 | 03 | 21 | 12 | 07 | 19 | 30 | 10 | 40 |
| **4** | **Production of Inputs at site** | 01 | - | 15 | 15 | - | 23 | 23 | - | 38 | 38 |
| **5** | **Methods of protective cultivation** | 02 | 35 | 09 | 44 | 16 | 04 | 20 | 51 | 13 | 64 |
| **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 | 02 | 13 | 14 | 27 | - | 12 | 12 | 27 | 12 | 39 |
| 10.b | Animal Disease Management | - | - | - | - | - | - | - | - | - | - |
| 10.c | Fisheries Nutrition | - | - | - | - | - | - | - | - | - | - |
| 10.d | Fisheries Management | - | - | - | - | - | - | - | - | - | - |
| 10.e. | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **11.** | **Home Science** | - | - | - | - | - | - | - | - | - | - |
| 11.a. | Household nutritional security | - | - | - | - | - | - | - | - | - | - |
| 11.b | Economic empowerment of women | - | - | - | - | - | - | - | - | - | - |
| 11.c. | Drudgery reduction of women | - | - | - | - | - | - | - | - | - | - |
| 11.d | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **12** | **Agricultural Extension** | - | - | - | - | - | - | - | - | - | - |
| 12.a. | CapacityBuilding and Group Dynamics | - | - | - | - | - | - | - | - | - | - |
| 12.b | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
|  | **Total** | **08** | **119** | **53** | **172** | **50** | **55** | **105** | **183** | **94** | **277** |

**Details of sponsoring agencies involved**

1. **KSDA Gulbarga**
2. **KMF Gulbarga**
3. **WCWD Gulbarga**

**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 | 01 | 23 | 02 | 25 | 07 | - | 07 | 30 | 02 | 32 |
| 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 | 01 | - | 36 | 36 | - | 08 | 08 | - | 44 | 44 |
| 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 | 01 | 35 | - | 35 | 09 | - | 09 | 44 | - | 44 |
| 4.b. | Production of bio-agents, bio-pesticides,  bio-fertilizers etc. | - | - | - | - | - | - | - | - | - | - |
| 4.c. | Repair and maintenance of farm machinery  and implements | - | - | - | - | - | - | - | - | - | - |
| 4.d. | Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| 4.e. | Seed production | - | - | - | - | - | - | - | - | - | - |
| 4.f. | Sericulture | - | - | - | - | - | - | - | - | - | - |
| 4.g. | Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| 4.h. | Nursery, grafting etc. | - | - | - | - | - | - | - | - | - | - |
| 4.i. | Tailoring, stitching, embroidery, dying etc. |  |  |  |  |  |  |  |  |  |  |
| 4.j. | Agril. para-workers, para-vet training | - | - | - | - | - | - | - | - | - | - |
| 4.k. | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **5** | **Agricultural Extension** | - | - | - | - | - | - | - | - | - | - |
| 5.a. | Capacity building and group dynamics | - | - | - | - | - | - | - | - | - | - |
| 5.b. | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
|  | **Grand Total** | **03** | **58** | **38** | **96** | **16** | **08** | **24** | **74** | **46** | **120** |

**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 | Dairy Farmer / Entrepreneur | 27-09-2021 | 22-10-2021 | 25 | 20 | 0 | 20 | 5 | 0 | 5 | 25 | 0 | 25 | 23-10-2021 | 24 |

**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 | 4067 | 2456 | 550 | 3006 | 725 | 225 | 950 | 102 | 09 | 111 |
| Farmers visit to KVKs | 4359 | 3478 | 262 | 3740 | 782 | 112 | 894 | 47 | 8 | 55 |
| Lectures delivered as resource persons | 25 | 632 | 137 | 769 | 165 | 53 | 218 | 21 | 02 | 23 |
| Diagnostic Visits | 54 | 42 | 07 | 49 | 17 | 01 | 18 | 05 | 01 | 06 |
| Field Days | 13 | 498 | 48 | 546 | 216 | 28 | 244 | 23 | 5 | 28 |
| Group discussions/ meetings | 08 | 102 | 17 | 119 | 46 | 03 | 49 | 02 | 00 | 02 |
| Kisan Gosthies | 2 | 64 | 23 | 87 | 14 | 12 | 26 | 07 | 01 | 08 |
| Film Shows | 32 | 3560 | 990 | 4550 | 1184 | 426 | 1610 | 24 | 14 | 38 |
| Self help group meetings | 10 | 33 | 79 | 112 | 16 | 43 | 59 | 5 | 9 | 14 |
| Mahila mandals meetings | 06 | 00 | 67 | 67 | 00 | 29 | 29 | 00 | 08 | 08 |
| Kisan Melas | - | - | - | - | - | - | - | - | - | - |
| Exhibitions | 3 | 12000 | 800 | 12800 | 2100 | 650 | 2750 | 800 | 95 | 895 |
| Scientist visit to farmers fields | 274 | 134 | 04 | 138 | 34 | 01 | 35 | 09 | 02 | 11 |
| Soil health camps | - | - | - | - | - | - | - | - | - | - |
| Animal health camps | 4 | 198 | 18 | 216 | 64 | 11 | 75 | 11 | 6 | 17 |
| Plant health camps | - | - | - | - | - | - | - | - | - | - |
| Farm Science Club meetings | - | - | - | - | - | - | - | - | - | - |
| Ex-trainees Sammelans | - | - | - | - | - | - | - | - | - | - |
| Farmers seminars | 2 | 82 | 14 | 96 | 21 | 05 | 26 | 06 | 01 | 07 |
| Workshops | 06 | 856 | 63 | 919 | 212 | 14 | 226 | 35 | 13 | 48 |
| Method Demonstrations | 14 | 224 | 62 | 286 | 168 | 34 | 202 | 13 | 06 | 19 |
| Celebration of important days | 07 | 352 | 68 | 420 | 88 | 43 | 131 | 08 | 03 | 11 |
| Special day celebrations | - | - | - | - | - | - | - | - | - | - |
| Exposure visits | 14 | 154 | 34 | 188 | 42 | 28 | 70 | 63 | 11 | 74 |
| Others, Please specify | - | - | - | - | - | - | - | - | - | - |
| **Total** |  |  |  |  |  |  |  |  |  |  |

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

|  |  |  |
| --- | --- | --- |
| Sl. No. | **Type of media/activity** | **Number of activities/Number** |
| 1 | Popular articles | 22 |
| 2 | Newspaper coverage | 44 |
| 3 | Extension Literature | 19 |
| 4 | Radio Talks | 43 |
| 5 | TV Talks | 24 |
| 6 | CD/DVD/Video clips | 77 |
| 7 | Animal health camps (no. of animal treated) | 3 |
| 8 | Others, please specify | - |
|  | **Total** |  |

**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 | Redgram | GRG-811 | 180.0 | 11,16,000 | 7 |
| Greengram | BGS-9 | 17.0 | 1,20,700 | 4 |
| Commercial crops | - | - | - | - | - |
| Vegetables | - | - | - | - | - |
| Flower crops | - | - | - | - | - |
| Spices | - | - | - | - | - |
| Fodder crop seeds | Multicut Fodder Sorghum | CoFs - 29 | 3.0 | 1,20,000 | 15 |
| 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 | - | - | - | - | - |
| Ornamental plants | - | - | - | - | - |
| Medicinal and Aromatic | - | - | - | - | - |
| Plantation | - | - | - | - | - |
| Spices | - | - | - | - | - |
| Tuber | - | - | - | - | - |
| Fodder crop saplings | - | - | - | - | - |
| Forest Species | - | - | - | - | - |
| 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 | Vermicompost | 500 | 2,50,000 | 109 |
| Worms | 1.0 | 35000 | 84 |
| Bio-pesticide |  |  |  |  |
| Bio-fungicide |  |  |  |  |
| Bio Agents |  |  |  |  |
| Banana Special | Banana Special | 2000 kg | 300000 | 25 |
| **Total** |  |  |  |  |

# 9.D. Production of livestock

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

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

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

(i) KVK Newsletter:

|  |  |  |  |
| --- | --- | --- | --- |
| **Date of Start** | **Periodicity** | **No. of copies** | **Copies distributed** |
| Jan - March, 2021 | Quarterly | 50 | 50 |
| April - June, 2021 | Quarterly | 50 | 50 |
| July - Sept, 2021 | Quarterly | 50 | 50 |
| Oct - Dec, 2021 | Quarterly | 50 | 50 |

(ii) Summary of Literature developed/published

|  |  |
| --- | --- |
| **Item** | **Number** |
| Research papers- International | 2 |
| Research papers- National | 6 |
| Technical reports | 8 |
| Technical bulletins | 19 |
| Popular articles - English | 14 |
| Popular articles – Local language | 34 |
| Extension literature | 8 |
| Others if any | - |

**i. RESEARCH PAPERS:**

| **Sl. No.** | **Authors & Year** | **Title of the research paper** | **Journal** |
| --- | --- | --- | --- |
| 01 | Neelkant, Dilipkumar D, **Manjunath Patil,** Bhagvantappa B, Venkatgiri and Pallavi, 2021 | Clinical and physiological changes in induction agents in drip form using guaifenesin and ketamine with or without dexmedetomidine under isoflurane anaesthesia for various surgeries in cattle | The Pharma Innovation Journal, 10(11): 2485-2489  **NAAS Rating: 5.23** |
| 02 | Ojus S, Dilipkumar D, Bhagavantappa B, Vijay Kumar M, Sandeep Halmandge, **Manjunath Patil** and Venkatgiri, 2022 | Physiological and biochemical analysis of dogs undergoing femoral fracture repair using advanced locking plate system II and locking compression plate | The Pharma Innovation Journal, 11(1): 1137-1141  **NAAS Rating: 5.23** |
| 03 | Rhea Marie Gracias, Dilipkumar D, Bhagavantappa B, Vivek R  Kasaralikar, Prashantkumar Waghe, **Manjunath Patil** and Venkatgiri, 2022 | Evaluation of tibial fracture healing by estimation of biochemical and physiological parameters in dogs | The Pharma Innovation Journal, 11(2): 1654-1657  **NAAS Rating: 5.23** |
| 04 | Rhea Marie Gracias, Dilipkumar D, Bhagavantappa B, Vivek R  Kasaralikar, Prashantkumar Waghe, Venkatgiri and **Manjunath Patil**, 2022 | Evaluation of glycopyrrolate, fentanyl citrate, triflupromazine hydrochloride, midazolam and ketamine hydrochloride induction with isoflurane maintenance for the repair of tibial fractures in dogs | The Pharma Innovation Journal, 11(2): 1740-1743  **NAAS Rating: 5.23** |
| 05 | Pallavi, D. Dilipkumar, **Manjunath Patil,** B Bhagavantappa and Venkatgiri, 2022 | Tibiotarsus Fracture Repair by Using Titanium and Stainless Steel Locking Reconstruction Bone Plates in Backyard Poultry | Journal of Experimental Zoology, India 25(1): 273-277  **NAAS Rating: 5.25** |
| 06 | Neelkant, D. Dilipkumar, **Manjunath Patil,** B. Bhagvantappa, Venkatgiri and Pallavi, 2022 | Hematobiochemical and hemodynamic changes in induction agents in drip form using guaifenesin and ketamine with or without dexmedetomidine under isoflurane anaesthesia for various surgeries in cattle | Journal of Experimental Zoology, India 25(1):1147-1155  **NAAS Rating: 5.25** |

**ii. RESEARCH ABSTRACTS:**

| **Sl. No.** | **Authors & Year** | **Title of the Research Abstract** | **Journal** |
| --- | --- | --- | --- |
| 01 | Raju Tegelli, Rahul Patil, Zaheer Ahamed and **Manjunath Patil**, 2021 | Impact of Natural resource management activities on water harvesting and ground water recharge in NICRA village | Fifth international agronomy congress on “Agri innovations to combat food and nutrition challenges.” 23-27 November, 2021-PJTSAU, Hyderabad, India |
| 02 | Ojus Srinivas, D. Dilipkumar, Bhagavantappa B., Vijaykumar M., Sandeep  Halmandge, **Manjunath Patil** and Venkatgiri, 2022 | Comparative evaluation of advanced Locking Plate system II and Locking Compression Plate for the repair of femur fracture in dogs | 44th Annual Congress of Indian Society for Veterinary Surgery and National Symposium on “Recent Trends in Surgical and Imaging Techniques for Enhancement of Productivity and Health Status of Farm and Pet Animals”. **Organized by** Department of Surgery and Radiology, College of Veterinary and Animal Sciences GB Pant University of Agriculture & Technology Pantnagar - 263 145, Uttarakhand, INDIA. 24-26 February, 2022. |
| 03 | Pallavi., D. Dilipkumar., Bhagvantappa B., Venkatgiri and **Manjunath Patil**, 2022 | Tibiotarsus fracture repair by using titanium and stainless steel locking reconstruction bone plates in backyard poultry |
| 04 | Gurudev Karajagi, Bhagavantappa B., D. Dilipkumar, Jahangir D,  Vijaykumar M. Venkatgiri, Sandeep Halmandge and **Manjunath Patil, 2022** | Comparative evaluation of veterinary cuttable plate and locking reconstruction plate for tibiotarsus fracture repair in Aseel bird ***(Gold Medal for Best oral presentation award in Avian surgery session, ISVS, Pantnagar)*** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media** | **Title** | **Details** |
| 1 | CD / DVD | **-** | **-** |
| 2 | Mobile Apps | **-** | **-** |
| 3 | Social media groups with KVK as Admin | Actively involved in 10 whats app group | 1. BSMR Togari 2. Water Melon 3. Papaya 4. Banana 5. Raita itra 6. Kalyan Foundation 7. Kalaburagi Raitaru 8. Negila Yogi 9. Anndata Sukhibhava 10. Krishi chetan |
| 4 | Facebook account name | Krishi Vigyan Kendra Kalaburagi | 19 short videos and 18 short posters and alert information uploaded on facebook. |
| 5 | Instagram account name | KVK\_Kalaburagi | 19 short videos and 18 short posters uploaded |
| 6 | Twitter account name | KVK Kalaburagi-1 | 43 followers |
| 7 | Youtube Account | KVK Kalaburagi KLB | 6550 Subscribers |

**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).**

**1. DIBBED REDGRAM INTERCROP WITH PUMPKIN**

|  |  |  |
| --- | --- | --- |
| Farmers' Name: | Sri. Mallanna Gudedmani | |
| Age: | 53 | |
| **Farmers' address** including Village, District, State | Melakunda (B) Tq/Dist:Kalaburgi State: Karnataka | |
| Education: | Matriculation | |
| Landholding (ha/acre): | Rainfed: 7 | Irrigated:4 |
| Details about livestock (no.) | 2 | |
| Farming experience (Years) | 40 | |
| Social appreciation/recognitions/ Awards for his innovation | KVK Kalburagi | |

**Description of Innovation:**

Sri Mallanna Gudedmani an innovative farmer with diversified crops like Redgram, cotton, greengram, pumpkin and some of vegetables in black soil. Introduction of intercropping with pumpkin in Redgram facilitated him to achieve an additional income. He grown Redgarm (TS-3R) + Pumpkin in dibbed method of sowing by making ridge and furrow in 12 acre of land purely on rainfed condition. He spent 40,000rs including seed cost. He got net profit of 1.5 lakh/acre.

**Practical utility of innovation:**

Pumpkin was grown as intercrop in redgram purely on rainfed condition. He got an average yield of 4.2 tonnes/acre. The additional income realized from pumpkin helped the farmer to meet the expenditure towards maintenance of redgram. The innovative practice of sowing pumpkin in redgram on ridge and furrows helps in retension of water their by providing moisture to the crop. Intercropping pumpkin in redgram provides sufficient air and water to the crop and also increase the water use efficiency to the crop. Another innovative practice followed in redgram i.e nipping technique resulted in increasing number of branches per plant their by got increased yield of 15-20% in redgram. He got higher yield and additional income by following innovative practice like intercropping pumpkin in redgram, ridge and furrows method of sowing and nipping in redgram.

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

1. Rapid rowing survey method of monitoring for better management of pest :Weekly survey was made for pest status of pod borer in Pigeonpea and chickpea
2. Creation of technical agents and Leadership Development for transfer of technology
3. Formation of Commodity Interested Groups viz Water Melon Growers group, youth clubs on dairy farming etc.
4. Market linkages for different crops

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** |
| 1 | Redgram | Gourd as intercrop in Redgram. | Prevents weed intensity and gives additional income |
| 2 | Bengal gram | Sunflower & Sorghum as mixed crop in Bengalgram | As live bird perches |
| 3 | Sugarcane | Water Melon as intercrop | To get additional yield |
| 4 | Sugarcane | Trash mulching | Increased number of ratoons |
| 5. | Onion | Rolling of barrel over the crop before harvesting | To increase the bulb size and minimize the vegetative growth |
| 6. | Marigold | Acts as a trap crop for gram pod borer | To control Gram Pod borer. |
| 7. | Store grain pest | A hand full of rock salt kept at the base of storage place. | Preventing pests in pulses and grains. |
| 8. | ITK | Coriander & linseed grown as inter crops in Bengal gram. | To control pod borer. |
| 9. | Storage | Gram leaves. | For safe storage of maize seeds for long time. |
| 10. | Waste decomposer | A product of National center of organic farming. Its work as biofertilizer, bio control & Soil health revival | For speeding of decomposition process |

**10 F. Technology Week celebration:**

Period of observing Technology Week: From 14.09.2020 to 19-09-2020

Total number of farmers visited : 1500

Total number of agencies involved : 07

Number of demonstrations visited by the farmers within KVK campus : 10

**Other Details**

| **Types of Activities** | **No. of**  **Activities** | **Number of**  **Farmers** | **Related Crop/Livestock Technology** |
| --- | --- | --- | --- |
| Gosthies | 06 | 3500 | Pulses/Oilseeds/IFS/Dairy farming/Organic Farming / Soil & Water Conservation |
| Lectures organized | 04 | 2560 | Crop insurance, Health hazards & Importance of balanced food for farmers |
| Exhibition | 01 | 15000 | IPM technologies, Agri equipments, Soil & Water Conservation, Organic Manures, Bio Fertilizers & Bio-Pesticides. |
| Film show | 02 | 1200 | Transplanting of tur, Azolla feeding, Water management, IPM etc. |
| Farm Visit | 03 | 725 | Improved Agricultural practices in Sugarcane, Cotton, Water Melon, Musk Melon, Transplanted Tur, Papaya & IFS. |
| Diagnostic Practicals | 05 | 185 | Pod fly damage in Redgram, Rhizome rot in Banana, Leaf spot in ginger, Powdery mildew in Mango & Rose, Foot & Mouth Disease in animals. |
| Supply of Literature (No.) | 12 | 1250 | Improved Cultivation Practices in different crops, Livestock Management etc |
| 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 no. of farmers visited the technology week | 33 | 24420 | **-** |

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

ICAR – KVK Kalaburagi-1 has bagged ICAR National Award **“Pandit Deendayal Upadhayay Rashtriya Krishi Vigyan Protshahan Puraskar 2020” (Second Prize)** on ICAR Foundation Day.

**PART XI – SOIL AND WATER TEST**

**11.1 Soil and Water Testing Laboratory**

A. Status of establishment of Lab : Yes

1. Year of establishment : 07-07-2005

2. List of equipments purchased with amount :

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the Equipment** | **Qty** | **Cost (Rs.)** |
| **Recurring – Contingencies** | | | |
| 1 | Spectrophotometer | 1 | 40050-00 |
| 2 | Flame photometer | 1 | 32040-00 |
| 3 | PH meter | 1 | 8900-00 |
| 4 | Conductivity bridge | 1 | 9790-00 |
| 5 | Physical Balance | 1 | 10890-00 |
| 6 | Chemical Balance | 1 | 57000-00 |
| 7 | Water distillation still (Quartz) | 1 | 62444-00 |
| 8 | Water distillation still (Glass) | 1 |
| 9 | Kjeldahl digestion | 1 | 142844-00 |
| 10 | Kjeldahl distillation | 1 |
| 11 | Shaker | 1 | 47025-00 |
| 12 | Refrigerator | 1 | 12285-00 |
| 13 | Oven | 1 | 16471-00 |
| 14 | Hot plate | 1 | 2912-00 |
| 15 | Grinder | 1 | 14700-00 |
| 16 | Laboratory set up which includes laboratory table, desk,rack, almirah, angle iron rack, wash basin, exhaust fan, gas burner etc. | - | 319921-00 |
| 17 | Accessories to soil, water and plant testing laboratory. | - | 84518-00 |
| **Non- Recurring Contingencies** | | | |
| 1 | Chemical and Glass wares | - | 248210-00 |
| 2 | Petty items such as pestle and mortar, cloth bags, plastic jar, tray, gas connection for flame photometer and other use, test tube holder, soil sampling anger etc. | - | 20000-00 |
| 3 | Soil and plant sample processing and storage facility | - | 50000-00 |
|  | **Total Rs.** |  | **1180000-00** |

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 | 7452 | 6100 | 2906 | 14,90,400 |
| Water Samples | 1584 | 1327 | 1195 | 1,58,400 |
| Plant samples | - | - | - | - |
| Manure samples | - | - | - | - |
| Others (specify) | - | - | - | - |
| Total | 9062 | 7451 | 4117 | 16,48,800 |

C. Details of samples analyzed during 2021:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 295 | 355 | 121 | 1,43,075 |
| Water Samples | 85 | 62 | 35 | 12,325 |
| Plant samples | - | - | - | - |
| Manure samples | - | - | - | - |
| Others (specify) | - | - | - | - |
| Total | 380 | 417 | 156 | 1,55,400 |

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 during 2021 and since establishment with Mobile Soil Testing Kit:

|  |  |  |  |
| --- | --- | --- | --- |
|  | During 2020 | During 2021 | 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 | 05-12-20 | 5 | 116 | 103 | 103 |
| 23-12-20 | 4 | 137 | 121 | 121 |
| 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 | 147 | 103 | 1 | 2 | 2 | 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)** |
| Nipping in Redgram | 20000 | 80% | 16500=00 | 26000=00 |
| Trap Mulching in Sugarcane | 312 | 5% | 50000=00 | 75000=00 |
| Plastic mulching & drip irrigation in Water Melon | 176 | 11% | 70000=00 | 87000=00 |
| Dibbling in Redgram | 1000 | 61% | 18000=00 | 32300=00 |
| Pulse Magic spray in Pigeonpea | 6000 | 90% | 21000=00 | 30000=00 |
| Chickpea Magic | 1500 | 80% | 22000=00 | 33000=00 |

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

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology / skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs. / Unit)** | **After (Rs. / Unit)** |
| Introduction of GRG-811 | 10000 | 655 | 15000=00 | 25000=00 |
| Popularization of Pulse Magic | 7500 | 27% | 15000=00 | 18500=00 |
| Dairy / Goatry | 67 | 45% | 3800=00 | 6400=00 |

**PART XIII - LINKAGES**

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

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| Karnataka State Dept. of Agriculture (KSDA), Karnataka State Dept. of Horticulture (KSDH), Dept. of AH &VS, Dept. of Women and Child Welfare, ARS, NABARD, Krishna Grameena Bank, NGO’s (KITSERD, BSRDS, MYRADA, CEDOK, World Vision, Swashakti, St.Luke Health Centre, Prerana, Hunger project, VGAS) and Tur Board, Gulbarga | Training , Demonstrations, field days, Joint Diagnostic survey, Awareness campaigns and meetings |
| Dept. of Information and Broadcasting (AIR, DD1 & ETV) and Daily Newspapers like Prajavani, Vijaya Karnataka ,Samyukta Karnataka, Deccan Herald, The Hindu and Local Newspapers | News, Radio tips, programmes coverage and publicity |

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the scheme** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
|  |  |  |  |

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

**Coordination activities between KVK and ATMA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Programme** | **Particulars** | **No. of programmes attended by KVK staff** | **No. of programmes Organized by KVK** | **Other remarks (if any)** |
| 01 | **Meetings** | 3 | 3 | - | - |
| 02 | **Research projects** | **-** | **-** | **-** | **-** |
| 03 | **Training programmes** | 3 | 3 | - | - |
| 04 | **Demonstrations** | 2 | 2 | **-** | **-** |
| 05 | **Extension Programmes** |  |  |  |  |
| Kisan Mela | 1 | 1 | 1 |  |
| Technology Week | 1 | - | 1 | - |
| Exhibition | 1 | 1 | 1 |  |
| Others (Pl. specify) |  |  |  |  |
| 06 | **Publications** |  |  |  |  |
| Video Films | **-** | **-** | **-** | **-** |
| Books |  |  |  |  |
| Extension Literature | **-** | **-** | **-** | **-** |
| Pamphlets | **-** | **-** | **-** | **-** |
| Others (Website upgradation) | **-** | **-** | **-** | **-** |
| 07 | **Other Activities** (Pl.specify) |  |  |  |  |
| Watershed approach | **-** | **-** | **-** | **-** |
| Integrated Farm Development | **-** | **-** | **-** | **-** |
| Agri-preneurs development | **-** | **-** | **-** | **-** |
| Established Shade Net | **1** | **1** |  |  |

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

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

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

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

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

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

**13G. Kisan Mobile Advisory Services**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Month** | **No of Advisories** | **Message type (Text/Voice)** | **SMS/voice calls sent (No.)** | | | | | | **Total (No.) SMS/Voice calls sent** | **Farmers benefitted (No.)** |
| **Crop** | **Livestock** | **Weather** | **Marketing** | **Awareness** | **Other enterprises** |
| January | 6 | Text | 3 | 1 | 0 | 1 | 1 | 0 | 6 | 21240 |
| February | 5 | Text | 1 | 1 | 0 | 1 | 1 | 1 | 5 | 21246 |
| March | 8 | Text | 1 | 2 | 0 | 2 | 2 | 1 | 8 | 21249 |
| April | 7 | Text | 1 | 2 | 0 | 1 | 1 | 2 | 7 | 21250 |
| May | 6 | Text | 1 | 1 | 1 | 0 | 1 | 2 | 6 | 21250 |
| June | 9 | Text | 2 | 1 | 2 | 0 | 2 | 2 | 9 | 21250 |
| July | 11 | Text | 3 | 0 | 2 | 1 | 3 | 2 | 11 | 21250 |
| August | 12 | Text | 3 | 1 | 2 | 2 | 2 | 2 | 12 | 21250 |
| September | 9 | Text | 2 | 1 | 1 | 1 | 2 | 2 | 9 | 21480 |
| October | 10 | Text | 2 | 1 | 1 | 2 | 3 | 1 | 10 | 21480 |
| November | 8 | Text | 3 | 1 | 0 | 2 | 2 | 0 | 8 | 21532 |
| December | 9 | Text | 3 | 2 | 0 | 2 | 1 | 1 | 9 | 21534 |
| **Total** | **100** |  | **25** | **14** | **9** | **15** | **21** | **16** | **100** |  |

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

**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** |  |  |  |  |  |  |  |  | |  |
| Jowar | 22.10.21 | - | 0.8 | M-35-1 | TL | 5 | 7,700 | 24500 | | - |
| **Pulses** |  |  |  |  |  |  |  |  | |  |
| Redgram | 20.07.21 | 24.01.2022 | 2.2 | GRG-152 | TL | 17 | 39,000 | 136000 | | - |
| GRG - 811 | TL |
| Bengalgram | 03.10.21 | 21.01.2022 | 1.0 | JG-11 | TL | 6.5 | 18,100 | 44,850 | | - |
| BGD-103 | TL |
| NBeG-4 | TL |
| GBM-2 | TL |
| **Oilseeds** |  |  |  |  |  |  |  |  | |  |
|  |  |  |  |  |  |  |  |  | |  |
| Fibers |  |  |  |  |  |  |  |  | |  |
|  |  |  |  |  |  |  |  |  | |  |
| Spices & Plantation crops | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  | |
| Floriculture |  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  | |
| Fruits |  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  | |
| Vegetables |  |  |  |  |  |  |  |  |  | |
|  |  |  |  |  |  |  |  |  |  | |
| **Others (specify)** | | | | | | | | | | |
| Multicut Fodder Sorghum | 10.07.21 | 22.11.21 | 1.2 | CoFS-29 | TL | 2.5 | 23600 | 75000 | - | |

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

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

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

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

**14E. Utilization of hostel facilities**

Accommodation available (No. of beds : 20)

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
| January | - | - | - |
| February | - | - | - |
| March | - | - | - |
| April | 22 | 02 | - |
| May | - | - | - |
| June | - | - | - |
| July | 01 | 02 | - |
| August | - | - | - |
| September | - | - | - |
| October | 21 | 02 | - |
| November | - | - | - |
| December | 33 | 01 | - |

**14F. Database management**

|  |  |  |
| --- | --- | --- |
| **S.No** | **Database target** | **Database created** |
| 01 | Website | The time to time information is updated in the existing Krishi Vigyan Kendra, Gulbarga website including Farmers innovations |
| 02 | Agriculture information through Short Message Service | Through Famer SMS Portal of Indian Government KVK Gulbarga Sending SMS to 24480 Farmers |
| 03 | Soil & Water Analysis | The database on Innovative farmer and their innovations . |
| 04 | Social Media updating | The events of KVK are uploaded on Face book And Whats app groups |
| 05 | Whats app Videos | The short videos are made and added in different farmers groups |

**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 Demonstrations** | **No. of plant materials produced** | **Visit by farmers**  **(No.)** | **Visit by officials**  **(No.)** |
| 9.93 | 9.93 | 1.Farm pond  2. Roof water harvesting  3. bore well recharge  4. drip irrigation  5.sprinkle irrigation | 01 | 04 | - | 214 | 06 | -- | -- |

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. |  |  |  |  |  |  |  |  |  |  |  |

**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 |  |  |  |  |  |

**15.3 Fertilizer awareness programme organised**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State** | **Name of KVK** | **Details of Activities/programme Organized** | **Number of Chief Guests** | **No. of Farmers attended program** | **Total participants** |
| Karnataka | KVK Kalaburagi-1 | Training Programme on Fertilizer Awareness Programme | 3 | 67 | 70 |

**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.)** |
| 1 | Sunflower | KBSH-53 | 20 | 50 | 20 | 50 |
| 2 | Safflower | IASF-764 | 20 | 50 | 20 | 50 |
|  | **Total** |  | **40** | **100** | **40** | **100** |

**15.6 CFLDs on Pulses:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Varieties demonstrated and check** | **Allocated** | | **Implemented** | |
| **Area (ha)** | **Demos (No.)** | **Area (ha)** | **Demos (No.)** |
| 1 | Pigeonpea | GRG-811 | 20 | 50 | 20 | 50 |
| 2 | Greengram | BGS-9 | 10 | 25 | 10 | 25 |
| 3 | Blackgram | DU-1 | 10 | 25 | 10 | 25 |
| 4 | Chickpea | BGD-103 | 10 | 25 | 10 | 25 |
|  | **Total** |  | **50** | **125** | **50** | **125** |

**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 Technologies)** | **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 Technologies)** | **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** |
| 1 | 45 | 0 | 0 | 1 | 55 | 0 | 0 | 0 | 0 | 2 | 6 | 200 | 0 | 0 | 0 | 0 | 85 |

**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** |
| **118** | **5** | **Y** | **N** | **N** | **Y** | **Y** | **Y** | **N** | **Y** | **Y** | **Y** | **Y** | **N** |

**15.13 KSHAMTA**

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

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

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Crop varieties/hybrids assessed/ demonstrated** | **Farmer’s feedback** |
|  |  |  |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Agronomic practices** | **Farmer’s feedback** |
|  |  |  |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Pest and disease management in crops** | **Farmer’s feedback** |
|  |  |  |

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

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

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

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

**PART XVII - FINANCIAL PERFORMANCE**

**17A. Details of KVK Bank accounts**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Bank account** | **Name of the bank** | **Location** | **Branch code** | **Account Name** | **Account Number** | **MICR Number** | **IFSC Number** |
| With Host Institute | - | - | - | - | - | - | - |
| With KVK | SBI Kalaburagi | Kalaburagi | 3304 | SB | 10635088061 | - | SBIN0003304 |

**17B. Utilization of KVK funds during the year 2020-21 (Rs. in lakh)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 15286000 | 15286000 | 16589254 |
| 2 | **Traveling allowances** | 80000 | 80000 | 78956 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 270000 | 270000 | 269935 |
| *B* | POL, repair of vehicles, tractor and equipments | 240000 | 240000 | 239927 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 110000 | 110000 | 109970 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 30000 | 30000 | 29988 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 318000 | 318000 | 317909 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 50000 | 50000 | 49887 |
| *G* | Training of extension functionaries | 25000 | 25000 | 24900 |
| *H* | Maintenance of buildings | 131000 | 131000 | 130656 |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory | 25000 | 25000 | 24780 |
| *J* | Library | 10000 | 10000 | 9990 |
| *H* | Nutrigarden – 25 Demonstrations | 25000 | 25000 | 24990 |
| *I* | Video Production | 25000 | 25000 | 25000 |
| *J* | Extension Activities | 30000 | 30000 | 29970 |
| *K* | EDP / Innovative Activities | 15000 | 15000 | 15000 |
| **TOTAL (A)** | | **16670000** | **16670000** | **17971112** |
| **B. Non-Recurring Contingencies** | |  |  |  |
| 1 | **Works** | 0 | 0 | 0 |
| 2 | **Equipment including SWTL & Furniture** | 243000 | 243000 | 242764 |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0 |
| 4 | **Library** (Purchase of assets like books & journals) | 0 | 0 | 0 |
| **TOTAL (B)** | | **243000** | **243000** | **242764** |
| **C. REVOLVING FUND** | | 0 | 0 |  |
| **GRAND TOTAL (A+B+C)** | | **16913000** | **16913000** | **18213876** |

**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 2019 | 31,71,118=46 | 11,84,826=00 | 10,59,624=00 | 33,59,508=52 |
| January to December 2020 | 33,59,508=52 | 9,88,939=00 | 17,59,047=00 | 25,89,400=52 |
| January to December 2021 | 28,94,921=05 | 31,17,311=00 | 26,71,088=22 | 33,41,144=30 |

**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).**