**KRISHI VIGYAN KENDRA, KALABURGI-II (KALABURGI)**

**ANNUAL REPORT- 2021**

**(FOR THE PERIOD FROM 01 January, 2021 TO 31 December, 2021**

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|  |  |  |
| --- | --- | --- |
| Krishi Vigyan Kendra, Kalaburgi-II  NH-218 Post: Raddewadagi,  Tq. Jewargi PIN- 585 310 Dist. Kalaburagi | **and** | University of Agricultural Sciences  P.B.No.329  Raichur– 584102 Karnataka –India |

PART I – GENERALINFORMATION ABOUT THE KVK

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| KVK Address | Telephone | | E mail | **Web Address** |
| Office | Fax |
| Krishi Vigyan Kendra, Kalaburgi-II (Raddewadagi)  Post: Raddewadagi,  NH Road -213 Tq. Jewargi Dist. Kalaburagi | - | - | pckvkrwd@gmail.com  kvk.Kalaburgi2@icar.gov.in | www.kvkrwd.org |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | **Web Address** |
| Office | Fax |  |  |
| University of Agricultural Sciences  P.B.No.329  Raichur– 584102  Karnataka -India | 08532-221444 | 08532-220444 | vc@uasraichur.edu.in | www.uasraichur.edu.in |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Residence | Mobile | Email |
| Dr. Sanjeevkumar B. Bellad | - | 9480696348 | pckvkrw@gmail.com  kvk.Kalaburgi2@icar.gov.in |

1.4. Year of sanction: 01-01-2012

**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** | **Permanent**  **/Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Head/Senior Scientist | Dr. S.B.Bellad | Sr. Scientist & Head | M | Seed Science & Technology | M.Sc. (Agri.) Ph.D. | 131400 -217100 | 139400 | 28-11-2019 | Permanent | ST |
| 2 | Scientist/SMS | Sri. N Manjunatha | Agronomy | M | Agronomy | M.Sc. (Agri),  Ph.D. | 68900-205500 | 89900 | 07-03-2019 | Permanent | ST |
| 3 | Scientist/SMS | Dr. Vikram Simha H.V | Processing & Food Engineering | M | Processing and Food Engg. | M.Tech.  (Agril. Engg.), Ph.D. (DE) | 68900-205500 | 75300 | 18-05-2016 | Permanent | ST |
| 4 | Scientist/SMS | Dr. Basavaraj | Agricultural Entomology | M | Agricultural Entomology | M.Sc. (Agri.) Ph.D. | 68900-205500 | 73000 | 25-09-2019 | Permanent | Others |
| 5 | Scientist/SMS | Vacant | Soil Science | - | - | - | - | - | - | - | - |
| 6 | Scientist/SMS | Vacant | Horticulture | - | - | - | - | - | - | - | - |
| 7 | Scientist/SMS | Vacant | Animal Science | - | - | - | - | - | - | - | - |
| 8 | Programme Assistant ( Lab Technician.) | Smt. Shruthi N | Sr. Technical Assistant | F | Seed Science & technology | M.Sc (Agri.) | 35400-112400 | 38700 | 22-01-2018 | Permanent | Others |
| 9 | Programme Assistant  ( Computer.) | Sri. Sanjeevkumar Patil | Technical Officer (Computer) | M | Computer Science | B.Sc. (Comp) PGDCA | 44900-142400 | 55200 | 04-07-2012 | Permanent | Others |
| 10 | Programme Assistant/ Farm Manager | Sri Malkanna C Patil | Technical Officer (Farm Manager) | M | - | B.Sc (Agri) | 44900-142400 | 56900 | 10-07-2020 | Permanent | Others |
| 11 | Assistant | Sri. Hanumesh H | Sr. Assistant | M |  | B.Tech | - | 46400 | 02-07-2019 | Permanent |  |
| 12 | Jr. Stenographer | Sri. Vishalkumar | Assistant | M | - | B.Com | 30350-750-58250 | - | 25/10/2021 | - | Others |
| 13 | Driver - 1 | Omkari T | Driver (LV) | M |  | 10th | - | 22950 | 08-07-2019 | Permanent | OBC |
| 14 | Driver - 2 | Vacant | - | - | - | - | - | - | - | - | - |
| 15 | SS-1 | Mr. Shahebgouda | Cook cum Care taker | M | - | 7th | - | 19950 | 01-6-2013 | Permanent | Others |
| 16 | SS-2 | Vacant | - | - | - | - | - | - | - | - | - |

**1.6. Total land with KVK (in ha):** 21.26 ha

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | 2.0 |
| 2. | Under Demonstration Units- IFS, and Vermicompost | 2.0 |
| 3. | Under Crops | 17.26 |
| 4. | Orchard/Agro-forestry | - |
| 5. | Others | - |

**1.7. Infrastructural Development:**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No** | **Name of building** | **Source of**  **funding** | **Stage** | | | | | |
| **Complete** | | | **Incomplete** | | |
| **Completion**  **Date** | **Plinth area (Sq.m)** | **Expen-**  **-diture (Rs.)** | **Starting Date** | **Plinth area**  **(Sq.m)** | **Status of construction** |
| 1. | Administrative  Building | ICAR, New Delhi | 28-10-2013 | 550 | Completed | - | - | - |
| 2. | Farmers Hostel | - | - | - | - | - | - | - |
| 3. | Staff Quarters | - | - | - | - | - | - | - |
| 4. | Demonstration Units |  |  |  |  |  |  |  |
|  | 1Sheep and goat  unit | DR, UASR | 2017 | 5x10m | 325000 |  |  |  |
|  | 2 | - |  |  |  |  |  |  |
|  | 3 | - |  |  |  |  |  |  |
|  | 4 | - |  |  |  |  |  |  |
| 5 | Fencing (Solar) | DE, UASR | 30-03-2013 | 3 acre | 45000 |  |  |  |
| 6 | Rain Water harvesting system | - | - | - | - | - | - | - |
| 7 | Threshing floor | DR, UASR- | 10-12-2013 | 90 | 250000 |  |  |  |
| 8 | Farm godown | - | - | - | - | - | - | - |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Bolero Jeep (KA 32 N1735) | 2012 | 625338 | 255750 | Good |
| Tractor Mahindra | 2012 | 637595 | 10602 hrs | Good |
| Motor Cycle (Hero Splandor Pro) KA 32 7590 | 2012 | 47069 | - | Under repair |
| Motor Cycle (Hero Splandor Pro) KA 32 7591 | 2012 | 47069 | - | Under repair |

**C) Equipment & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| Computer with accessories | 2012 | 74970 | Good Condition |
| LCD Projector with wall mount screen | 2012 | 99750 | Good Condition |
| Xerox Taskalfa 180 with accessories | 2012 | 91654 | Good Condition |
| Sony Video camera with accessories | 2012 | 24990 | Good Condition |
| Canon Scanner with accessories | 2012 | 3255 | Good Condition |
| Public addressing system | 2012 | 41212 | Good Condition |
| HP Office Jet all in one | 2012 | 9900 | Good Condition |
| Iron writing chairs | 2012 | 88550 | Good Condition |
| Staff tables | 2012 | 47025 | Good Condition |
| Almirahs | 2012 | 63200 | Good Condition |
| Magnetic board | 2012 | 2500 | Good Condition |
| Magnetic board | 2012 | 14016 | Good Condition |
| Steel display sign board | 2012 | 6800 | Good Condition |
| Insect cabinet box | 2012 | 15800 | Good Condition |
| Refrigerator | 2013 | 24900 | Good Condition |
| HP Laser printer all in one | 2014 | 13100 | Good Condition |
| HDD External 1TB | 2014 | 6550 | Good Condition |
| Godrej Two Door Cabinet | 2014 | 9901 | Good Condition |
| Godrej Glass door storewell | 2014 | 21922 | Good Condition |
| Nilkamal Chair | 2014 | 8384 | Good Condition |
| Info panal board (Large & Medium) | 2014 | 24350 | Good Condition |
| Large white board | 2014 | 14009 | Good Condition |
| Stitching machine | 2014 | 5950 | Good Condition |
| New paper stand | 2014 | 12800 | Good Condition |
| Sony cyber shot 18.2 Mega pixel | 2015 | 19790 | Good Condition |
| Presentation changer | 2015 | 3450 | Good Condition |
| Computer Dell 4Nos | 2016 | 152000 | Good Condition |
| Mircotech UPS 200watts 2Nos with Battery (4Nos) | 2016 | 64044 | Good Condition |
| Soil testing Kit | 2017 | 86000 | Good Condition |
| Display Panel LED | 2017 | 40075 | Good Condition |
| Data processing device | 2017 | 18000 | Good Condition |
| HP 1020 Printer | 2018 | 9950 | Good condition |
| Office storage 4Door VFC | 2018 | 24925 | Good condition |
| Kenstar Cooler (3Nos) | 2018 | 38700 | Good condition |
| Airport Chair (2Nos) | 2019 | 16900.00 | Good condition |
| V. Guard Inverter Jadoo 1050 2300 watt | 2019 | 15998.00 | Good condition |
| V. Guard battery | 2019 | 9999.00 | Good condition |
| Micro tech stabilizer | 2020 | 2000.00 | Good condition |
| Automatic voltage Stabilizer 2 KVA | 2020 | 2300.00 | Good condition |
| Sanitizer Stand | 2020 | 1400.00 | Good condition |

**1.8. Details of SAC meeting organized**

**Date :** 05-01-2022  **Number of Participants:** 22

|  |  |  |
| --- | --- | --- |
| **Salient Recommendations** | **Action taken** | **Remarks, if any** |
| * Increase the number of capacity development programme on Integrated farming system, Natural farming and also establishing model IFS block in KVK farm * Conduct more capacity development programme on management of agricultural waste through different composting methods. * Include IIPR technologies in collaboration with IIPR * Organize awareness programmes on short duration crops, cropping system and contingency cropping system for dry spells * Create awareness on management of Sterility Mosaic Disease in Pigeonpea through various extension activities to the farming community * Enhance seed production through participatory seed production mode to achieve the target * Promotion of IIPR mini Dal mill to enhance the income of farmers through quality dal production * Awareness programmes to reduce burning of crop residue and encourage use of shredders, waste decomposers and microbial consortium * Facilitate to develop fodder entrepreneurs at taluka and panchayat level via fodder bank and fodder seed bank * Create awareness about chaff cutter for efficient utilization of fodder to animals * Demonstration of summer varieties of Greengram TRCRM-147 and Blackgram TRCRU-22 to augment the pulse production and income of the farmer. * Awareness program/ training on management of new chilli thirps * Facilitate to provide forward linkages to market of watermelon in the region * Demonstration of SMD tolerant varieties GRG-811 and GRG-152 as an alternate variety to TS-3R * Capacity development programmes to the rural youth on processing and value addition of millets * Create awareness on companion farming through exchange of human resources for agricultural activities * Capacity development programmes for rural youth on fodder seed production and marketing. | Recently SAC meeting conducted. | - |

**PART II - DETAILS OF DISTRICT**

2.1Major farming systems/enterprises (based on the analysis made by the KVK)

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1 | Greengram – Rabi Sorghum / Sunflower/ Bengalgram/ Safflower |
| 2 | Blackgram-Sunflower |
| 3 | Pigeonpea |
| 4 | Bajra – Bengalgram |
| 5 | Bajra/ Kharif sorghum+ Pigeonpea |
| 6 | Sesame |
| 7 | Sesame+ Foxtail millet |
| 8 | Foxtail millet/ + Pigeonpea |
| 9 | Goat, Sheep, Cows and Buffalos rearing |
| 10 | Cotton |
| Irrigated Situation | |
| 12 | Paddy based cropping system |
| 13 | Cotton |
| 14 | Sugarcane |
| 15 | Sunflower – Maize – Groundnut |
| 16 | Vegetables – Brinjal, Leafy vegetables, Ladies finger, Cluster beans, Onion etc |
| 17 | Chilli |
| 18 | Sheep, Cows and Buffalos rearing |
| 19 | Mulberry |
| 20 | Fruit crops – guava, mango, apple ber, sapota, banana, papaya, lime, fig |

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

topography)

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1 | Zone-II North Eastern Dry Zone | Comprises total area of 17.65 lakh ha, out of that 13.27 lakh ha is cultivable. Receives on an average of annual rain fall of 710 mm. Highest temperature from 43o to 44oc is recorded in the month of April & May. The soil of this region comprises medium deep to deep block soils and light red soils. Area under irrigation is 1.56 lakh ha comprising of 11.9 % of total cultivable area. The main source of irrigation is from UKP canal in addition to tube wells, barrages and wells. |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1 | Rainfed (88.1%) | The soils are medium to deep black and the crops grown are Redgram Foxtail millet, Rabi Jowar, Greengram, Bengalgram, minor millets and Cotton. |
| 2 | Irrigated (11.9%) | The soils of this area is medium to deep black soil specially in Jewargi taluk The crops grown are Paddy, Maize, Redgram, Bengalgram, Sunflower, Groundnut, Chilli and Cotton, under horticulture crops Vegetables, Banana and Lime are important. |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Soil type | Characteristics | Area in ha |
| 1 | Deep black soils | Highly contains clay particles | 390 |
| 2 | Shallow mixed black soils | Clay mixed with loam particles | 372 |
| 3 | Medium to Deep alluvial soils | Black calcareous mix | 218 |
| 4 | Very shallow soils | Alluvial loamy | 49 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (Metric tons) | Productivity  (kg /ha) |
| 1 | Pigeonpea | 328808 (183945) | 377562 | 1148 |
| 2 | Black gram | 52065 | 32892 | 631 |
| 3 | Green gram | 79320 | 48905 | 616 |
| 4 | Sorghum | 206682 | 270716 | 1309 |
| 5 | Sunflower | 15310 | 16961 | 1147 |
| 6 | Bengalgram | 206309 | 230880 | 1119 |
| 7 | Cotton | 62289 | 324405 | 5208 |
| 8 | Sugarcane | 30000 | 125989.80 | 39.57 t/ha |

\* **Source: https://aps.dac.gov.in**

**Horticulture crop**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Crop | Area (ha) | Production (tons/ha ) | Productivity (tons/ha ) |
| 1 | Mango | 1554.70 | 1195.50 | 7.97 |
| 2 | Banana | 3898.00 | 115374.20 | 29.60 |
| 3 | Lemon | 945.40 | 24453.30 | 25.87 |
| 4 | Sweet orange | 119.20 | 994.55 | 8.34 |
| 5 | Guava | 149.00 | 2667.47 | 17.90 |
| 6 | Sapota | 146.00 | 1055.50 | 7.23 |
| 7 | Pomegranate | 244.00 | 2231.64 | 9.15 |
| 8 | Papaya | 551.00 | 40058.52 | 72.70 |
| 9 | Grape | 543.40 | 11353.57 | 20.89 |
|  | Total fruits | **8150.70** | **199384.30** | **199.65** |
| 10 | Tomato | 1525.00 | 33559.8 | 22.01 |
| 11 | Brinjal | 579.00 | 13892.00 | 23.99 |
| 12 | Beans | 240.00 | 1919.00 | 8.00 |
| 13 | Onion | 2666.50 | 49602.50 | 18.60 |
| 14 | Chilli | 2959.00 | 17795.00 | 9.91 |
| 15 | Cabbage | 126.00 | 1102.50 | 8.75 |
| 16 | Cauli flower | 72.50 | 565.25 | 7.80 |
| 17 | Lady’s finger | 394.00 | 3242.50 | 8.23 |
| 18 | Radish | 266.00 | 2116.00 | 7.95 |
| 19 | Carrot | 173.00 | 3349.04 | 19.36 |
| 20 | Total gourds | 929.00 | 7453.21 | 8.02 |
| 21 | Watermelon | 474.00 | 7161.75 | 15.11 |
|  | Total Vegetables | **10404.00** | **141758.60** | **157.73** |

**2.5. Weather data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) |
| Maximum | Minimum |
| January 2021 | 0 | 30.12 | 12.26 | 67.21 |
| February 2021 | 0 | 32.56 | 17.36 | 59.08 |
| March 2021 | 0 | 37.41 | 20.24 | 51.76 |
| April 2021 | 6 | 41.45 | 24.25 | 51.94 |
| May 2021 | 78 | 42.18 | 26.82 | 46.37 |
| June 2021 | 175 | 31.28 | 22.41 | 81.22 |
| July 2021 | 273 | 32.51 | 20.53 | 86.45 |
| August 2021 | 111 | 31.77 | 21.74 | 80.55 |
| September 2021 | 223 | 31.46 | 21.93 | 75.68 |
| October 2021 | 62 | 33.25 | 22.18 | 76.51 |
| November 2021 | 30 | 32.16 | 23.45 | 70.11 |
| December 2021 | 0 | 27.12 | 15.12 | 62.18 |

\* Please provide latest data from authorized sources. Please quote the source :**ARS, Raddewadgi**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 13,000 | 15000 MT | 5.781 Kg/d/animal |
| *Indigenous* | 4,60,000 | 1220 MT | 2.303 Kg/d/animal |
| **Buffalo** | 91,000 | 82000 MT | 2.559 Kg/d/animal |
| **Sheep** | | | |
| Crossbred | 218 |  |  |
| *Indigenous* | 99,843 |  |  |
| **Goats** | 3,72,951 |  |  |
| **Pigs** |  |  |  |
| *Crossbred* | 699 |  |  |
| *Indigenous* | 23216 |  |  |
| **Rabbits** | 216 |  |  |
| **Poultry** | | | |
| Hens | **-** | **-** | **-** |
| *Desi* | 3,62,653 |  |  |
| *Improved* | **-** | **-** | **-** |
| Ducks | **-** | **-** | **-** |
| Turkey and others | **-** | **-** | **-** |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish | **-** | **-** | **-** |
| *Marine* | **-** | **-** | **-** |
| *Inland* | **-** | **-** | **-** |
| Prawn | **-** | **-** | **-** |
| Scampi | **-** | **-** | **-** |
| Shrimp | **-** | **-** | **-** |

**\* 19th livestock census 2012 (DAHD)**

* 1. District profile maintained in the KVK has been **Updated** for 2018-19: Yes

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

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

* 1. District profile maintained in the KVK has been **Updated** for 2019: Yes

**2.8 Details of Operational area / Villages**

| **Sl. No.** | **Taluk** | **Name of the block** | **Name of the village** | **How long the village is covered under operational area of the KVK (specify the years)** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- | --- | --- |
| 1 | Jewargi | Jewargi | Rasanagi | 3 | Tomato | Pin worm infestation | IPM |
| Acid lime | * High incidence of citrus canker disease on leaf, fruit and twigs, * Poor and improper nutrient management * Incidence of lemon butterfly, leaf minor and mite damage * Wilt and die-back disease incidence in packets of lime growing area | ICM |
| Greengram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients * Lack of availability and awareness about summer varieties | ICM |
| Blackgram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients * Lack of availability and awareness about summer varieties | ICM |
| Chickpea | * Low yield * Dry root rot (Wilt) disease | IDM |
| Pigeonpea | * Unaware of eco-friendly mechanized sources * Low yield * Excess use of pesticides * Wilt incidence and SMD | Mechanization  Drudgery reduction  IPM  INM  IDM |
| Cotton | * High infestation of sucking insect pest like aphids, thrips, whiteflies, leafhopper and mites * Incidence of pink boll worm in Bollguard –II * Alterneria leaf spot disease | IPDM |
| Chilli | * High cost of cultivation * Improper crop management * Thirps and mites * Chilli murda complex | IPDM |
| Sorghum | Smut incidence and sucking pest | IPDM |
|  |  |  |  |  | Wheat | * Use of low yielding local varieties * Improper management of nutrients and irrigation schedule | ICM |
| Safflower | * Use of low yielding local varieties * Black aphid menace * Harvesting problem | ICM & Mechanized harvesting |
| 2 | Chittapur | Kalagi | Malaga (K) | 3 | Greengram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients | ICM |
| Blackgram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients | ICM |
| Chickpea | * Low yield * Dry root rot (Wilt) disease | IDM |
| Chickpea | * Low yield * High cost on harvesting * Drudgery | Mechanical harvesting and varietal demonstration |
| Sorghum | Smut incidence and sucking pest | IPDM |
|  |  |  |  |  | Groundnut | Use of low yielding local varieties  Incidence of colloar rot disease | ICM |
| 3 | Sedam | Sedam | Beerana  halli | 3 | Greengram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients | ICM |
| Blackgram | * Non availability of improved varieties * Sucking pest * Powdery mildew * Lack of awareness about foliar nutrition and micronutrients | ICM |
| Pigeonpea | * Unaware of eco-friendly mechanized sources * Low yield * Excess use of pesticides * Wilt incidence and SMD | Mechanization  Drudgery reduction  IPM  INM  IDM |
| Chickpea | * Low yield * Dry root rot (Wilt) disease | IDM |
| Sorghum | Smut incidence and sucking pest | IPDM |
| Safflower | * Use of low yielding local varieties * Black aphid menace * Harvesting problem | ICM & Mechanized harvesting |

**2.9 Priority thrust areas**

|  |  |
| --- | --- |
| **Sl. No** | **Thrust area** |
| 1 | Non availability of high yielding varieties of cereals, pulses, vegetables and oilseeds crop |
| 2 | Lack of awareness on scientific production recommendations such as cropping pattern, crop selection, fertilizers, pesticides, growth regulators, high-tech cultivation, organic farming, sustainability in different crops |
| 3 | Non practice of low cost technologies such as seed treatment, FYM application, Non use of bio fertilizer and bio-agents, Sulphur, Zinc, Iron, Boron, Gypsum in oilseed crops etc., |
| 4 | Non awareness of INM, IPM and IDM in pulses specially Pigeonpea and Chickpea , apart from traditional crops of the area |
| 5 | Alternate cropping system in irrigated area i.e, cropping sequence where ever irrigation provision is available |
| 6 | Lack of awareness in post harvest loss management practices in Agriculture and Horticultural crops |
| 7 | Lack of knowledge on water management |
| 8 | Non awareness about labour saving agriculture machineries/equipments |
| 9 | Non availability of perennial green fodder, lack of knowledge on scientific livestock production and unaware about livestock disease management |
| 10 | Labour intensive work, Non awareness of mechanization and Extreme drudgery for farm women, lack of skill for mechanization |

**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** |
| 7 | | 7 | 24 | | 24 | 18 | | | 18 | | 143 | | 143 |
| **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** | | |
| 46 | 46 | | 2273 | 2273 | | | 9 | 9 | | 172 | | 172 | | |
| **Training (Extension personnel)** | | | | | | | **Training (sponsored)** | | | | | | | |
| **5** | | | | | | | **6** | | | | | | | |
| **Courses (No.)** | | | **Participants (No.)** | | | | **Programmes (No.)** | | | **Participants (No.)** | | | | |
| **Target** | **Achievement** | | **Target** | **Achievement** | | | **Target** | **Achievement** | | **Target** | | **Achievement** | | |
| 3 | 3 | | 110 | 110 | | | 1 | 1 | | 26 | | 26 | | |
| **Training (Vocational)** | | | | | | | **Extension Programmes** | | | | | | | |
| **7** | | | | | | | **8** | | | | | | | |
| **Courses (No.)** | | | **Participants (No.)** | | | | **Programmes (No.)** | | | **Participants (No.)** | | | | |
| **Target** | **Achievement** | | **Target** | **Achievement** | | | **Target** | **Achievement** | | **Target** | | **Achievement** | | |
| **-** | **-** | | **-** | **-** | | | 6645 | 6645 | | 22643 | | 22643 | | |
| **Seed Production (Q)** | | | | | | | **Planting material (Nos.)** | | | | | | | |
| **9** | | | | | | | **10** | | | | | | | |
| **Target** | | | **Achievement** | | | | **Target** | | | **Achievement** | | | | |
| 1000 | | | 606 | | | | - | | | - | | | | |
| **Livestock, poultry strains and fingerlings (No.)** | | | | | | | **Bio-products (Kg)** | | | | | | | |
| **11** | | | | | | | **12** | | | | | | | |
| **Target** | | | **Achievement** | | | | **Target** | | | **Achievement** | | | | |
| - | | | - | | | | - | | | - | | | | |
| **Soil, water, plant and manure analysis**  **(including mobile kits)** | | | | | | | **Mobile agro advisories provided** | | | | | | | |
| **13** | | | | | | | **14** | | | | | | | |
| **Samples (No.)** | | | **Farmers (No.)** | | | | **Messages including text, voice (No.)** | | | **Farmers (No.)** | | | | |
| **Target** | **Achievement** | | **Target** | **Achievement** | | | **Target** | **Achievement** | | **Target** | | **Achievement** | | |
| 154 | 154 | | 70 | 70 | | | 100 | 100 | | 75000 | | 75000 | | |

**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 | Cropping system | Pigeonpea | Lack of short duration varieties with farmers pigeonpea to accommodate Rabi crops | Assessment of Short duration pigeonpea varieties to accommodate rabi crops | - | 2 | - | - | 1 | Pusa-16  1kg  GC 11-39 3kg  PRG-176  10kg | - | - |  | Rhizobium-0.5kg |
| 2 | Planting method | Pigeonpea | Low yield due to moisture stress | Assessment of planting methods in pigeonpea under rainfed kharif | - | 2 | - | - | 1 | GRG-152, 6kg | - | - | - | Rhizobium-1.5kg |
| 3 | Varietal evaluation | Chickpea | Non availability of improved varieties , early maturing | Assessment of new genotypes for higher productivity in Chickpea | - | 2 | - | - | - | NBeG-3, 100kg  GBD-111-1,  120kg  S-A  30kg | - | - | - | Rhizobium-3.0kg |
| 4 | Varietal evaluation | Groundnut | Use of low yielding local verities | Assessment of Groundnut varieties for higher productivity | - | 1 | 1 | - | - | Kadari Lepakshi 1812, 120kgs  DH-256, 150kgs  Dharani  50kg | - | - | - | Rhizobium-3.0kg |
| 5 | Varietal evaluation | Safflower | Use of low yielding old varieties | Assessment of Safflower varieties for higher productivity | - | 1 | 1 | - | - | A-2 15kg  PNBS-12, 15kg  ISF-764  15kf | - | - | - | - |
| 6 | Varietal evaluation | Wheat | Low yield | Assessment of Wheat varieties for higher productivity | Unable to conduct due to non availability of wheat variety from UAS, Dharwad and IARI, New Delhi | | | | | | | | | |
|  | Varietal introduction | Pigeonpea | Lack of awareness about ICM practices | - | Demonstration of Pigeonpea new variety GRG-152 | 3 | 1 | - | 1 | GRG-152, 50kg | - | - | - | Pulse magic 40kg |
| 7 | IPDM | Cotton | Lack of awareness about foliar nutrition | - | Leaf reddening and foliar nutrition management in Cotton | 2 | 1 | 1 | 1 | - | - |  |  | a) Mgso4 (Soil application)- 100kgs  b)Mgso4+19:19:19 @ 1% each -120kgs + 120kgs  c) KNo3 @ 1% - 40kg  EDTA Zn @-10kg  Fe@ -10kg  Mn@ -10kg |
| 8 | IPM | Tomato | Pinworm problem in Tomato | - | Integrated Management of pinworm in Tomato | 1 | - | - | 4 | **-** | **-** | **-** | Sticky traps-50  Pheromone traps -50 | M. anisopleae-5 |
| 9 | IPDM | Cotton | Improper management of major insect pests and diseases | - | Integrated pest and disease management in Bt-Cotton | 1 | - | 1 | 4 | - | - | - | Sticky traps-200  Pheromone traps -100 | - |
| 10 | Mechanization | Pigeonpea | Solar powered high clearance bullock drawn boom sprayer | - | Demonstration of solar powered high clearance bullock drawn boom sprayer for pigeonpea |  |  |  |  |  |  |  |  |  |
| 11 | Varietal introduction | Wheat | Lack of awareness of high yielding varieties | - | Demonstration of wheat variety UAS-304 | 2 | 1 | - | 1 | UAS-304-350kg | - | - | - | - |
| 12 | IDM | Chickpea | Dry root rot disease in Chickpea | - | Integrated management of dry root rot disease in chickpea | 3 | - | - | 2 | - | - | - | - | Neem cake -250kg  Trichoderma-5kg |
| 13 | IPM | Sorghum | Fall armyworm incidence | - | Integrated approaches for fall armyworm management in Sorghum | 3 | - | - | 3 | - | - | - | Pheromone traps -100 | M. anisopleae-10 kg |
| 14 | Mechanization | Cotton | * Burning of cotton straws * Labour intensive straw collection process | - | Demonstration of tractor operated mobile shredder for cotton straw management |  |  |  |  |  |  |  |  |  |
| 15 | Mechanization | Chickpea | * Low yield due to few branches * Labour intensive nipping operation | - | Solar Operated Nipping machine with Foliage Collector for Chickpea |  |  |  |  |  |  |  |  |  |
| 16 | Varietal introduction | Blackgram | Lack of awareness about summer variety | - | Demonstration of Blackgram new variety TRCRU-22 | 1 | 1 | - | - | Seeds 50kg | - | - | - | Rhizobium-5kgs |
| 17 | Varietal introduction | Green gram | Lack of awareness about summer variety | - | Demonstration of Green gram new variety TRCRM-147 | 1 | 1 | - | - | Seeds 25kg | - | - | - | Rhizobium-2.5kgs |

**-**

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. 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 Short duration pigeonpea varieties to accommodate rabi crops | UAS, Raichur | Pigeonpea | 3 | **-** | **2** | **-** |
| RARS, Palem |
| IARI, New Delhi |
| UAS, Raichur |
| 2 | Assessment of planting methods in pigeonpea under rainfed kharif | - | Pigeonpea | 2 | - | 2 | - |
| UAS, Raichur |
| PJTSAU, Hyderabad |
| 3 | Use of new genotype for higher productivity in Chickpea | Farmers practice | Chickpea | 3 | - | 2 | - |
| UAS, Raichur |
| UAS , Raichur |
| ANGRAU, Hyderabad |
| 4 | Assessment of Groundnut varieties for higher productivity | UAS, Raichur | Groundnut | 3 | - | 2 | - |
| UAS, Dharwad |
| RARS, Tirupati |
| ARS, Kadari |
| 5 | Assessment of Safflower varieties for higher productivity | UAS, Dharwad | Safflower | 3 | - | 2 | - |
| V NMKV, PARBHANI |
| ICAR-IIOR, Hyderabad |
| 6 | Assessment of Wheat varieties for higher productivity | UAS, Dharwad | Wheat | 3 | - | - | - |
| UAS, Dharwad |
| IARI, New Delhi |
| 7 | Demonstration of Pigeonpea new variety GRG-152 | UAS, Raichur | Pigeonpea | - | 10 | 4 | - |
| 8 | Leaf reddening and foliar nutrition management in Cotton | UAS, Raichur | Cotton | - | 10 | 3 |  |
| 9 | Integrated Management of pinworm in Tomato | NBAIR, Bangalore | Tomato | - | 5 | 1 | - |
| 10 | Integrated pest and disease management in Bt-Cotton | UAS, Raichur | Cotton | - | 10 | 1 | - |
| 11 | Demonstration of solar powered high clearance bullock drawn boom sprayer for pigeonpea | UAS, Raichur | Pigeonpea | - | 10 | - | - |
| 12 | Demonstration of wheat variety UAS-304 | UAS, Dharwad | wheat | - | 5 | 3 | - |
| 13 | Integrated management of dry root rot disease in chickpea | UAS, Raichur | chickpea | - | 10 | 3 | - |
| 14 | Integrated approaches for fall armyworm management in Sorghum | NBAIR, Bangalore | Sorghum | - | 10 | 3 | - |
| 15 | Demonstration of tractor operated mobile shredder for cotton straw management | UAS, Raichur | cotton straw management | - | 10 |  | - |
| 16 | Solar Operated Nipping machine with Foliage Collector for Chickpea | UAS, Dharwad | Chickpea | - | 10 |  | - |
| 17 | Demonstration of Blackgram new variety TRCRU-22 | UAS, Raichur | Blackgram | - | 5 | 2 | - |
| 18 | Demonstration of Green gram new variety TRCRM-147 | UAS, Raichur | Greengram | - | 5 | 2 | - |

**3.B2 contd..**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of farmers covered** | | | | | | | | | | | | | | | |
| **OFT** | | | | **FLD** | | | | **Training** | | | | **Others (Specify)** | | | |
| **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | | **General** | | **SC/ST** | |
| **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** |
| **9** | **10** | **11** | **12** | **13** | **14** | **15** | **16** | **17** | **18** | **19** | **20** | **21** | **22** | **23** | **24** |
| 3 | 0 | 0 | 0 | **-** | **-** | **-** | **-** | 8 | 0 | 2 | 0 | - | - | - | - |
| 3 | 0 | 0 | 0 | **-** | **-** | **-** | **-** | 20 | 1 | 4 | 0 | - | - | - | - |
| 2 | 0 | 1 | 0 | **-** | **-** | **-** | **-** | 15 | 0 | 2 | 0 | - | - | - | - |
| 1 | 0 | 2 | 0 | **-** | **-** | **-** | **-** | 23 | 0 | 3 | 0 | - | - | - | - |
| 2 | 0 | 1 | 0 | **-** | **-** | **-** | **-** | 28 | 2 | 4 | 1 | - | - | - | - |
| - | - | - | - | **-** | **-** | **-** | **-** | - | - | - | - | - | - | - | - |
| - | - | - | - | 9 | 0 | 1 | 0 | 45 | 8 | 6 | 2 | - | - | - | - |
| - | - | - | - | 8 | 0 | 0 | 2 | 48 | 6 | 3 | 1 |  |  |  |  |
| - | - | - | - | 4 | 0 | 1 | 0 | 27 | 0 | 1 | 0 | - | - | - | - |
| - | - | - | - | 9 | 0 | 1 | 0 | 21 | 2 | 4 | 0 | - | - | - | - |
| - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - |
| - | - | - | - | 10 | 0 | 0 | 0 | 95 | 10 | 16 | 2 | - | - | - | - |
| - | - | - | - | 9 | 0 | 1 | 0 | 84 | 8 | 11 | 1 | - | - | - | - |
| - | - | - | - | 8 | 0 | 2 | 0 | 78 | 4 | 17 | 2 | - | - | - | - |
| - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - |
| - | - | - | - |  |  |  |  |  |  |  |  | - | - | - | - |
| - | - | - | - | 4 | 0 | 1 | 0 | 41 | 3 | 8 | 1 | - | - | - | - |
| - | - | - | - | 5 | 0 | 0 | 0 | 38 | 2 | 6 | 1 | - | - | - | - |

**PART IV - On Farm Trial**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - | - | - |
| Varietal Evaluation | 1 | 2 | 1 | - | - | - | - | - | - | 4 |
| Integrated Pest Management |  |  | - | - | - | - | - | - | - | - |
| Integrated Crop Management | - | - | 1 | - | - | - | - | - | - | 1 |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | - |
| Small Scale Income Generation Enterprises | - | - | - | - | - | - | - | - | - | - |
| Weed Management | - | - | - | - | - | - | - | - | - | - |
| Resource Conservation Technology | - | - | - | - | - | - | - | - | - | - |
| Farm Machineries | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | - |
| Seed / Plant production | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |
| Drudgery Reduction | - | - | - | - | - | - | - | - | - | - |
| Storage Technique | - | - | - | - | - | - | - | - | - | - |
| Cropping Systems | - | - | 1 | - | - | - | - | - | - | 1 |
| Farm Mechanization | - | - | - | - | - | - | - | - | - | - |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | - |
| others | - | - | - | - | - | - | - | - | - | - |
| **Total** | **1** | **2** | **3** | **-** | **-** | **-** | **-** | **-** | **-** | **6** |

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

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

**4.A3. Abstract on the number of technologies assessed in respect of livestock : -Nil-**

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

**4.A4. Abstract on the number of technologies refined in respect of livestock :-Nil-**

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

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Crop** | **Name of the technologies** | **No. of trials** | **Number of farmers/locations** | **Area in ha (Per trial covering all Technological Options in a farm)** |
| Integrated Nutrient Management | - | - | - | - | - |
| Varietal Evaluation | Chickpea | Assessment of new genotype for higher productivity in Chickpea | 3 | 3 | 2 |
| Safflower | Assessment of Safflower varieties for higher productivity | 3 | 3 | 1.2 |
| Groundnut | Assessment of Groundnut varieties for higher productivity | 3 | 3 | 2 |
| Wheat | Assessment of Wheat varieties for higher productivity | - | - | - |
| Integrated Pest Management | - | - | - | - | - |
| Integrated Crop Management | Pigeonpea | Assessment of planting methods in pigeonpea  under rainfed kharif | 2 | 2 | 2.4 |
| 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 | Pigeonpea | Assessment of short duration pigeonpea varieties to accommodate Rabi crops | 3 | 3 | 2.2 |
| Farm Mechanization | - | - | - | - | - |
| Others, Pl specify | - | - | - | - | - |
| **Total** | **06** |  | **14** | **14** | **9.8** |

**4.B.2. Technologies Refined under various Crops :-Nil-**

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

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

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

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

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

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

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

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | **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 |
| Chickpea | Rabi | Low yield & Labour intensive | Assessment of Chickpea varieties suitable for mechanical harvesting & higher productivity | 3 | TO1: JG-11 | UAS, Raichur | 17.20 | q/ha | **No. of pods per plant**  32.8 | 68800 | 43800 | 2.75 |
| TO2: GBM-2 | UAS, Raichur | 15.80 | 22.5 | 63200 | 39700 | 2.69 |
| TO3: Phule Vikram | MPKV, Rahuri | 15.20 | 21.7 | 60800 | 37800 | 2.64 |
| TO4:NBeG-47 | ANGRU, Guntur | 16.50 | 27.3 | 66000 | 43500 | 2.93 |
| Chickpea | Rabi | Non availability of improved varieties , early maturing | Use of new genotype for higher productivity in Chickpea | 3 | TO1:JG-11 | Farmers practice | 14.50 | q/ha | **No. of pods per plant**  **26.4** | 58000 | 33500 | 2.37 |
| TO2: BGD-103 | UAS, Raichur | 17.30 | 27.6 | 69200 | 42700 | 2.61 |
| TO4:NBeG-3 | ANGRAU, Hyderabad | 18.40 | 30.8 | 73600 | 46100 | 2.68 |
| Onion | Kharif | Deficiency of Sulphur in soil | Management of Sulphur Deficiency in Onion crop | 5 | TO1: FP | - | 182 | (q/ha) | **Fresh wt of blub (g)**  56.45 | 327600 | 275450 | 6.28 |
| TO2:RDF | UAS , R/D | 198 | 74.53 | 356400 | 303030 | 6.68 |
| TO3:RDF + 20 kg S Through BentoniteSulphur (90 %) | DOGR, Rajgurunagar,  Pune | 205 | 86.72 | 369000 | 317580 | 7.18 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Chilli | Summer | The upward and downward curling of leaf due to heavy  Infestation of thrips and mites in Chilli resulted in yield loss up to 50-60%. | Murda disease management in chilli | 5 | **TO1**: Farmers Practice – Mixture of pesticides and growth regulators. | - | 29.0 | | (t/ha) | **No. of thirps**  6.25 | | 348000 | 282000 | 4.27 |
| T**O2**:Spraying of Dimethoate @ 1.7 ml/ltr of water at 20-25 and 35-40 days after sowing  Spray of Dicofol @ 2.5 ml/ltr of water at 60-70 days after sowing | UAS, Raichur | 38.5 | | 5.25 | | 462000 | 398500 | 6.27 |
| **TO3**:  1.Seed treatment with Imidachloprid @ 5 gm per kg seed  2. Sowing 2 rows lines of maize crop around border  3. Installation yellow sticky traps@ 15 no/ac  4. Application of *Lecanicilliumlecanii @* 3 gm/lt  5. Foliar spray of Imidachloprid @ 0.3ml per liter of water (at onset of disease)  6. Foliar spray of Garlic + Green Chilli + Kerosene(1:1:1) extract @ 2.5ml/lt followed by Neem oil @ 2.5 ml/lt **(**60, 75 and 90 days) | UHS, Bagalkot | 45.0 | | 1.20 | | 540000 | 476500 | 7.50 |
| Chickpea | Rainfed | Non availability of improved varieties , early maturing | Assessment of new genotype for higher productivity in Chickpea | 3 | Annegeri | Farmers practice |  | | (q/ha) | Crop yet to be harvest | | | | |
| BGD-111-1 | UAS , Dharwad |  | |
| NBeG- 3 | ANGRAU, Hyderabad |  | |
| Groundnut | Irrigated | Use of low yielding local verities | Assessment of Groundnut varieties for higher productivity | 3 | K-9 | UAS, Raichur |  | | (q/ha) | Crop yet to be harvest | | | | |
| DH-256 | UAS, Dharwad |  | |
| Dharani | RARS, Tirupati |  | |
| Kadri lepakshi 1812 | ARS, Kadari |  | |
| Safflower | Rainfed | Use of low yielding old varieties | Assessment of Safflower varieties for higher productivity | 3 | A-2 | UAS, Dharwad |  | | (q/ha) | Crop yet to be harvest | | | | |
| PNBS-12 | V NMKV, PARBHANI |  | |
| ISF-764 | ICAR-IIOR, Hyderabad |  | |
| Pigeonpea | Rainfed | Lack of short duration varieties with farmers pigeonpea to accommodate Rabi crops | Assessment of short duration pigeonpea varieties to accommodate Rabi crops | 3 | GC-11-39 | UAS, Raichur | 45x30 | 7.5 | (q/ha) | No of pods | | GR | NR | BCR |
| 45x30 | 34.6 | 45000 | 16000 | 1.55 |
| 90x30 | 20 | 90x30 | 115 | 120300 | 85300 | 3.44 |
| PRG-176 | RARS, Palem | 45x30 | 9.6 | 45x30 | 71.2 | 57000 | 28600 | 1.97 |
| 90x30 | 24.05 | 90x30 | 183 | 144300 | 109300 | 4.12 |
| Pusa-16 | IARI, New Delhi | 45x30 | 18 | 45x30 | 27.6 | 108000 | 73000 | 3.08 |
| 90x30 | 9.0 | 90x30 | 28.4 | 54444 | 21443 | 1.65 |
| Pigeonpea | Rainfed | Low yield due to moisture stress | Assessment of planting methods in pigeonpea  under rainfed kharif | 2 | Farmer Practice – spacing (60-75 cm x 5-10 cm) | - |  | | (q/ha) | Crop yet to be harvest | | | | |
| Sowing (90 x 30 cm) | UAS, Raichur |  | |
| Square Planting dibbling 2 seeds/hill (100 cm x 100 cm) | PJTSAU, Hyderabad |  | |

4. C2. Feedback on technologies assessed

|  |  |  |
| --- | --- | --- |
| Name of technology assessed | Useful characters as well as constraints of technology | Socio-economic as well as administrative constraints for its adoption |
| Assessment of new genotype for higher productivity in Chickpea | - | - |
| Assessment of Safflower varieties for higher productivity | - | - |
| Assessment of Groundnut varieties for higher productivity | - | - |
| Assessment of Wheat varieties for higher productivity | - | - |
| Assessment of planting methods in pigeonpea  under rainfed kharif | - | - |
| Assessment of short duration pigeonpea varieties to accommodateRabi crops | Short duration and early maturity | Yet to be evaluated |
| Murda disease management in chilli | * It includes both biological, physical and non chemical (Traps and Attractant) methods. * Safe to non target animals and effective murda complex management | * Initially farmers not accepted the traps and attractants but when they realized in pest control easily adopted * In summer it is slow in control of thirips and mites hence adoption of technology initially it becomes difficult |

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

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Assessment of Chickpea varieties suitable for mechanical harvesting & higher productivity |
| 2. Performance of the Technology on specific indicators | **:** | - |
| 3.Specific Feedback from farmers | **:** | - |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | - |
| 5. Feedback to Research System based on results and feedback received | **:** | - |
| 6. Feedback on usefulness and constraints of technology | **:** | - |

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Assessment of Safflower varieties for higher productivity |
| 2. Performance of the Technology on specific indicators | **:** | - |
| 3.Specific Feedback from farmers | **:** | - |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | - |
| 5. Feedback to Research System based on results and feedback received | **:** | - |
| 6. Feedback on usefulness and constraints of technology | **:** | - |

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Assessment of Groundnut varieties for higher productivity |
| 2. Performance of the Technology on specific indicators | **:** | - |
| 3.Specific Feedback from farmers | **:** | - |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | - |
| 5. Feedback to Research System based on results and feedback received | **:** | - |
| 6. Feedback on usefulness and constraints of technology | **:** | - |

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Assessment of planting methods in pigeonpea  under rainfed kharif |
| 2. Performance of the Technology on specific indicators | **:** | - |
| 3.Specific Feedback from farmers | **:** | - |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | - |
| 5. Feedback to Research System based on results and feedback received | **:** | - |
| 6. Feedback on usefulness and constraints of technology | **:** | - |

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Assessment of short duration pigeonpea varieties to accommodateRabi crops |
| 2. Performance of the Technology on specific indicators | **:** | Possibility of accommodating rabi crops |
| 3.Specific Feedback from farmers | **:** | New variety pusa-16 having more diseases |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | Need to be evaluate for one year |
| 5. Feedback to Research System based on results and feedback received | **:** | Pusa-16 can be evaluated for disease resistance |
| 6. Feedback on usefulness and constraints of technology | **:** | Possible to go for rabi season crop under rainfed condition with short duration Pigeonpea pusa-16 |

|  |  |  |
| --- | --- | --- |
| 1. Title of Technology Assessed | **:** | Murda disease management in chilli |
| 2. Performance of the Technology on specific indicators | **:** | Low incidence of thrips and mites as specific indicators in management of the crop |
| 3.Specific Feedback from farmers | **:** | Effective in control of thrips and mites |
| 4.Specific Feedback from Extension personnel and other stakeholders | **:** | Safe and effective in thrips and mites during summer |
| 5. Feedback to Research System based on results and feedback received | **:** | Blue sticky traps are effective in control of thirps |
| 6. Feedback on usefulness and constraints of technology | **:** | Use of sticky traps and border crops effective in control of sucking pest. Initially slow in control of sucking pest and for long sustain and throughout the crop effective in management of sucking pest and murda complex disease as more thrips and mites in summer season |

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

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

4. D2. Feedback on technologies refined :-Nil-

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

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

1. Title of Technology Refined

2. Performance of the Technology on specific indicators

3. Specific Feedback from farmers

4. Specific Feedback from Extension personnel and other stakeholders

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

6. Feedback on usefulness and constraints of technology

**PART V - FRONTLINE DEMONSTRATIONS**

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Category** | **Farming**  **Situation** | **Season** | **Crop** | **Variety/ breed** | **Hybrid** | **Thematic area** | **Technology Demonstrated** | **Area (ha)** | | **Farmers (No.)** | | **Farmers (No.)** | |
| **Proposed** | **Actual** | **SC/ST** | **Others** | **Small/ Marginal** | **Others** |
| 1 | Oilseeds | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 2 | Pulses | Rainfed | Kharif | Pigeonpea | GRG-152 | - | Variety introduction | Demonstration of Pigeonpea new variety GRG-152 | 4 | 4 | 1 | 9 | 1 | 9 |
| Rainfed | Rabi | Chickpea | JG-11 | - | IDM | Integrated management of dry root rot disease in chickpea | 4 | 4 | 0 | 10 | 6 | 4 |
| Rainfed | Summer | Blackgram | TRCRU-22 | - | Variety introduction | Demonstration of Blackgram new variety TRCRU-22 | 2 | 2 | 1 | 4 | 3 | 2 |
| Rainfed | Summer | Greengram | TRCRM-147 | - | Variety introduction | Demonstration of Green gram new variety TRCRM-147 | 2 | 2 | 0 | 5 | 4 | 1 |
| 3 | Cereals | Rainfed | Rabi | Wheat | UAS-304 | - | Variety introduction | Demonstration of wheat variety UAS-304 | 2 | 2 | 1 | 9 | 4 | 6 |
| Rainfed | Rabi | Sorghum | M35-1 | - | IPM | Integrated approaches for fall armyworm management in Sorghum | 4 | 4 | 0 | 10 | 7 | 3 |
|  | Millets | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Vegetables | Irrigated | Rabi/ Summer | Tomato | Local | - | IPM | Integrated Management of pinworm in Tomato | 2 | 2 | 1 | 4 | 4 | 1 |
|  | Flowers | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Ornamental | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Fruit | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Spices and condiments | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Commercial | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Medicinal and aromatic | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Fodder | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Plantation | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 4 | Fibre | Rainfed | Kharif | Cotton | Bt-Cotton | - | Nutrient management | Leaf reddening and foliar nutrition management in Cotton | 4 | 4 | 2 | 8 | 5 | 5 |
| Rainfed | Kharif | Cotton | Bt-Cotton | IPDM | Integrated pest and disease management in Bt-Cotton | 4 | 4 | 1 | 9 | 5 | 5 |
|  | Dairy | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Poultry | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Rabbitry | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Piggery | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Sheep and goat | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Duckery | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Common carps | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Mussels | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Ornamental fishes | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Oyster mushroom | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Button mushroom | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Vermicompost | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Sericulture | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Apiculture | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Implements | Rainfed | Kharif | Pigeonpea | - | - | - | Demonstration of solar powered high clearance bullock drawn boom sprayer for pigeonpea | 4 | 4 | - | - | - | - |
| Rainfed | Kharif | Pigeonpea | - | - | - | Demonstration of tractor drawn seed planter and power weeder in cotton | **It is not implemented due to timely non available the implement.** | | | | | |
| Rainfed | Kharif | Cotton |  |  | Mechanization | Demonstration of tractor operated mobile shredder for cotton straw management |  | | | | | |
|  |  | Rainfed | Rabi | Chickpea |  |  | drudgery reduction | Solar Operated Nipping machine with Foliage Collector for Chickpea |  | | | | | |
|  | Others (specify) | - | - | - | - | - | - | - | - | - | - | - | - | - |

**5.A. 1. Soil fertility status of FLDs plots, if analysed :- No-**

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

**5.B. Results of FLDs**

**5.B.1. Crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the technology demonstrated** | **Variety** | **Hybrid** | **Farming situation** | **No. of Demo.** | **Area**  **(ha)** | **Yield (q/ha)** | | | | **% Increase** | **Economics of demonstration (Rs./ha)** | | | **Economics of demonstration (Rs./ha)** | | |
| **Demo** | | | **Check** | **Gross**  **Return** | **Net Return** | **BCR** | **Gross**  **Return** | **Net Return** | **BCR** |
| **H** | **L** | **A** |
| **Oilseeds** | | | | | | | | | | | | | | | | | |
| **Groundnut** | **Management of collar rot disease in** | **Local** | **-** | **Irrigated** | **10** | **4** | **21.75** | **18.25** | **20.25** | **16.83** | **13.50** | **105300** | **71129** | **3.09** | **87542** | **70186** | **2.49** |
| **Pulses** | | | | | | | | | | | | | | | | | |
| **Blackgram** | **Demonstration of Blackgram new variety TRCRU-22** | **TRCRU-22** |  | **Irrigated** | **5** | **2** | **12.50** | **9.60** | **11.12** | **9.18** | **22.12** | **62400** | **42900** | **3.09** | **48750** | **28250** | **2.38** |
| **Chickpea** | **Integrated management of dry root rot disease in chickpea** | **JG-11** | **-** | **Rainfed** | **10** | **4** | **12.50** | **9.85** | **11.37** | **9.26** | **22.79** | **54591** | **37300** | **3.61** | **44457** | **29330** | **2.94** |
| Pigeonpea | Demonstration of Pigeonpea new variety GRG-152 | GRG-152 | - | Rainfed | 10 | 4 | The crop is yet to be harvest | | | | | | | | | | |
| Chickpea | Integrated management of dry root rot disease in chickpea | JG-11 | - | Rainfed | 10 | 4 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| Blackgram | Demonstration of Blackgram new variety TRCRU-22 | TRCRU-22 | - | Rainfed | 5 | 2 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| Greengram | Demonstration of Greengram new variety TRCRM-147 | TRCRM-147 | - | Rainfed | 5 | 2 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| **Cereals** | | | | | | | | | | | | | | | | | |
| **Sorghum** | **Integrated crop management in sorghum** | **M35-1** | **-** | **Rainfed** | **10** | **4** | **11.85** | **10.25** | **11.02** | **9.26** | **19** | **39672** | **24443** | **2.61** | **33332** | **19617** | **2.44** |
| **Integrated approaches for management of fall armyworm** |  | **-** | **Rainfed** | **10** | **4** | **13.25** | **9.85** | **11.35** | **9.61** | **18.10** | **40860** | **25794** | **2.72** | **34599** | **19686** | **2.32** |
| wheat | Demonstration of wheat variety UAS-304 | UAS-304 | - | Rainfed | 5 | 2 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| Sorghum | Integrated approaches for fall armyworm management in Sorghum | M35-1 | - | Rainfed | 10 | 4 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| Millets | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **Vegetables** | | | | | | | | | | | | | | | | | |
| **Chilli** | **Integrated Pest and Disease Management in Chilli** | **555-1** | **-** | **Irrigated** | **3** | **2** | **5.25**  **(t/ha)** | **3.95**  **(t/ha)** | **4.43**  **(t/ha)** | **3.6**  **(t/ha)** | **23.05** | **665250** | **539930** | **5.32** | **540450** | **400441** | **3.86** |
| **Tomato** | **Integrated Management of pinworm in Tomato** | **Local** | **-** | **Irrigated** | **5** | **2** | **52.85**  **(t/ha)** | **47.25 (t/ha)** | **49.56 (t/ha)** | **43.72**  **(t/ha)** | **13.35** | **496560** | **405960** | **5.53** | **437280** | **339855** | **4.49** |
| Tomato | Integrated Management of pinworm in Tomato | Local | - | Irrigated | 5 | 2 | 51.85**(t/ha)** | 43.36  **(t/ha)** | 48.55  **(t/ha)** | 42.72  **(t/ha)** | 13.60 | 485560 | 395960 | 5.37 | 428280 | 329855 | 4.35 |
| Flowers | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Ornamental | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fruit | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Spices and condiments | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| **Commercial** | | | | | | | | | | | | | | | | | |
| **Sugarcane** | **Integrated Crop Management in Sugarcane crop** | **Co-86032** | **-** | **Irrigated** | **10** | **4** | **144**  **(t/ha)** | **106**  **(t/ha)** | **125**  **(t/ha)** | **105**  **(t/ha)** | **19.00** | **287500** | **231200** | **5.11** | **241500** | **190000** | **4.69** |
| **Cotton** | **Leaf reddening and foliar nutrition management in Cotton** | **Bt** | **-** | **Rainfed** | **10** | **4** | **26** | **18** | **21.75** | **20.59** | **5.63** | **130500** | **88688** | **3.11** | **123540** | **81840** | **3.03** |
| **Cotton** | Leaf reddening and foliar nutrition management in Cotton | Cotton | - | Rainfed | 10 | 4 | The program under progress. The crop is yet to be harvest | | | | | | | | | | |
| Integrated pest and disease management in Bt-Cotton | Cotton | - | Rainfed | 10 | 4 | 18.75 | 9.3 | 13.64 | 11.24 | 21.3 | 106415 | 90459 | 6.70 | 87695 | 69270 | 4.80 |
| Medicinal and aromatic | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| Fodder | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
| 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

**Note: Bold results are last year Jan-2021**

**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** |
| **Cotton** | | |
| No. of aphids/ leaf | 3.25 | 21.5 |
| No. of thrips/leaf | 2.25 | 7.25 |
| No. of leaf hopper/leaf | 2.5 | 9.25 |
| PBW No. /trap /week | 4 | 26 |
| GOB | 32 | 16 |
| BOB | 8 | 26 |
| Alterneria leaf spot (%Disease) | 2.25 | 6.25 |
| **Tomato** | | |
| Fruit damage (%) | 2.25 | 8.25 |
| Marketable loss |  |  |
| **Sorghum** | | |
| FAW (No of larave/ plant) | 2.5 | 8.25 |
| Leaf damage (%) | 4.5 | 9.5 |
| **Chickpea** | | |
| Dry root rot disease incidence (%) | 4.6 | 13.50 |

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 |
| Integrated pest and disease management in Bt-Cotton | It is safe IPM Module free from pesticide residue and resurgence of the pest. Use of yellow and blue sticky traps for sucking pests and use of PBW pheromone traps helps in monitoring of target specific pest management and safe to non target insect pests. This technology will be more successful if it is adopted or implemented in large scale area. | In rural area farmers not aware of any type of sticky and pheromone traps for pest management. Initially, it is difficult to implement the technology because in rural area farmers hesitate to install yellow or blue and PBW pheromone traps |
| Integrated Management of pinworm in Tomato | Use of tuta pheromone trap for monitoring and mass traping and use of M.anisoplea as a bio pesticide helps in effective management of this pest | By using this technology farmers happy in the reduction of fruit damage (%) and marketable yield loss as compared to earlier cultivation practices and this technology is safe non chemical no residue and safe non target insect pest and human beings |

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

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

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

\*\* BCR= Gross Return/Gross Cost

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

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

5. B4. Feedback on livestock technologies demonstrated

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

5.B.5. Fisheries

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

\* 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 :- Nil-

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

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

\*\* BCR= Gross Return/Gross Cost

H-High L-Low, A-Average

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

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

5. 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 | 2 | 84 | - |
| 2 | Farmers Training | 18 | 715 |  |
| 3 | Media coverage | 6 | - | - |
| 4 | Training for extension functionaries | 1 | 35 | - |
| 5 | Others (Please specify) | - | - | - |

**PART VI – DEMONSTRATIONS ON CROP HYBRIDS**

**Demonstration details on crop hybrids :-Nil-**

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

H-High L-Low, A-Average

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

Feedback on crop hybrids demonstrated

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

**PART VII. TRAINING**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 3 | 119 | 6 | 125 | 76 | 0 | 76 | 195 | 6 | 201 |
| Resource Conservation Technologies | 3 | 120 | 11 | 131 | 8 | 2 | 10 | 128 | 13 | 141 |
| Cropping Systems | 1 | 25 | 0 | 25 | 4 | 2 | 6 | 29 | 2 | 31 |
| Crop Diversification | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming | 1 | 40 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 40 |
| Micro Irrigation/Irrigation | 1 | 42 | 0 | 42 | 5 | 0 | 5 | 47 | 0 | 47 |
| Seed production | 2 | 155 | 0 | 155 | 10 | 0 | 10 | 165 | 0 | 165 |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | 3 | 91 | 0 | 91 | 10 | 6 | 16 | 101 | 6 | 107 |
| Soil and Water Conservation | 1 | 42 | 0 | 2 | 0 | 2 | 2 | 45 | 2 | 47 |
| Integrated Nutrient Management | - | - | - | - | - | - | - | - | - | - |
| Production of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Horticulture** | - | - | - | - | - | - | - | - | - | - |
| **a) Vegetable Crops** | - | - | - | - | - | - | - | - | - | - |
| Production of low value and high volume crop | - | - | - | - | - | - | - | - | - | - |
| Off-season vegetables | - | - | - | - | - | - | - | - | - | - |
| Nursery raising | - | - | - | - | - | - | - | - | - | - |
| Exotic vegetables | - | - | - | - | - | - | - | - | - | - |
| Export potential vegetables | - | - | - | - | - | - | - | - | - | - |
| Grading and standardization | - | - | - | - | - | - | - | - | - | - |
| Protective cultivation | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **b) Fruits** | - | - | - | - | - | - | - | - | - | - |
| Training and Pruning | - | - | - | - | - | - | - | - | - | - |
| Layout and Management of Orchards | - | - | - | - | - | - | - | - | - | - |
| Cultivation of Fruit | - | - | - | - | - | - | - | - | - | - |
| Management of young plants/orchards | - | - | - | - | - | - | - | - | - | - |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Export potential fruits | - | - | - | - | - | - | - | - | - | - |
| Micro irrigation systems of orchards | - | - | - | - | - | - | - | - | - | - |
| Plant propagation techniques | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **c) Ornamental Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery Management | - | - | - | - | - | - | - | - | - | - |
| Management of potted plants | - | - | - | - | - | - | - | - | - | - |
| Export potential of ornamental plants | - | - | - | - | - | - | - | - | - | - |
| Propagation techniques of Ornamental Plants | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **d) Plantation crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| 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 | - | - | - | - | - | - | - | - | - | - |
| Integrated water management | - | - | - | - | - | - | - | - | - | - |
| Integrated nutrient management | - | - | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Management of Problematic soils | - | - | - | - | - | - | - | - | - | - |
| Micro nutrient deficiency in crops | - | - | - | - | - | - | - | - | - | - |
| Nutrient use efficiency | - | - | - | - | - | - | - | - | - | - |
| Balanced use of fertilizers | - | - | - | - | - | - | - | - | - | - |
| Soil and water testing | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Livestock Production and Management** | - | - | - | - | - | - | - | - | - | - |
| Dairy Management | 1 | 20 | 3 | 23 | 8 | 2 | 10 | 28 | 5 | 31 |
| Poultry Management | - | - | - | - | - | - | - | - | - | - |
| Piggery Management | - | - | - | - | - | - | - | - | - | - |
| Rabbit Management | - | - | - | - | - | - | - | - | - | - |
| Animal Nutrition Management | - | - | - | - | - | - | - | - | - | - |
| Animal Disease Management | - | - | - | - | - | - | - | - | - | - |
| Feed and Fodder technology | - | - | - | - | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Home Science/Women empowerment** | - | - | - | - | - | - | - | - | - | - |
| Household food security by kitchen gardening and nutrition gardening | - | - | - | - | - | - | - | - | - | - |
| Design and development of low/minimum cost diet | - | - | - | - | - | - | - | - | - | - |
| Designing and development for high nutrient efficiency diet | - | - | - | - | - | - | - | - | - | - |
| Minimization of nutrient loss in processing | - | - | - | - | - | - | - | - | - | - |
| Processing and cooking | - | - | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - | - | - |
| Storage loss minimization techniques | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |
| Women empowerment | - | - | - | - | - | - | - | - | - | - |
| Location specific drudgery production | - | - | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| Women and child care | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Agril. Engineering** | - | - | - | - | - | - | - | - | - | - |
| Farm machinery and its maintenance | 2 | 164 | 0 | 164 | 0 | 0 | 0 | 164 | 0 | 164 |
| 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 | 4 | 150 | 20 | 170 | 16 | 4 | 20 | 166 | 24 | 190 |
| Integrated Disease Management | 4 | 148 | 14 | 162 | 8 | 2 | 10 | 156 | 16 | 172 |
| Bio-control of pests and diseases | - | - | - | - | - | - | - | - | - | - |
| Production of bio control agents and bio pesticides | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Fisheries** | - | - | - | - | - | - | - | - | - | - |
| Integrated fish farming | - | - | - | - | - | - | - | - | - | - |
| Carp breeding and hatchery management | - | - | - | - | - | - | - | - | - | - |
| Carp fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Hatchery management and culture of freshwater prawn | - | - | - | - | - | - | - | - | - | - |
| Breeding and culture of ornamental fishes | - | - | - | - | - | - | - | - | - | - |
| Portable plastic carp hatchery | - | - | - | - | - | - | - | - | - | - |
| Pen culture of fish and prawn | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Edible oyster farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Fish processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Production of Inputs at site** | - | - | - | - | - | - | - | - | - | - |
| Seed Production | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Bio-agents production | - | - | - | - | - | - | - | - | - | - |
| Bio-pesticides production | - | - | - | - | - | - | - | - | - | - |
| Bio-fertilizer production | - | - | - | - | - | - | - | - | - | - |
| Vermi-compost production | - | - | - | - | - | - | - | - | - | - |
| Organic manures production | - | - | - | - | - | - | - | - | - | - |
| Production of fry and fingerlings | - | - | - | - | - | - | - | - | - | - |
| Production of Bee-colonies and wax sheets | - | - | - | - | - | - | - | - | - | - |
| Small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Production of livestock feed and fodder | - | - | - | - | - | - | - | - | - | - |
| Production of Fish feed | - | - | - | - | - | - | - | - | - | - |
| Mushroom production | - | - | - | - | - | - | - | - | - | - |
| Apiculture | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **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 | - | - | - | - | - | - | - | - | - | - |
| Others (Pl. specify) | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **26** | **1116** | **54** | **1130** | **145** | **20** | **165** | **1264** | **74** | **1336** |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **Crop Production** |  |  |  |  |  |  |  |  |  |  |
| Weed Management | - | - | - | - | - | - | - | - | - | - |
| Resource Conservation Technologies | 1 | 36 | 12 | 48 | 8 | 0 | 8 | 44 | 8 | 52 |
| Cropping Systems | - | - | - | - | - | - | - | - | - | - |
| Crop Diversification | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming | 1 | 25 | 2 | 27 | 10 | 3 | 13 | 35 | 5 | 40 |
| Micro Irrigation/Irrigation | - | - | - | - | - | - | - | - | - | - |
| Seed production | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Crop Management | 3 | 86 | 18 | 104 | 72 | 0 | 72 | 158 | 18 | 176 |
| Soil and Water Conservation | 1 | 22 | 0 | 22 | 4 | 2 | 6 | 26 | 2 | 28 |
| Integrated Nutrient Management | 3 | 95 | 6 | 101 | 10 | 9 | 19 | 105 | 15 | 120 |
| Production of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Horticulture** | - | - | - | - | - | - | - | - | - | - |
| **a) Vegetable Crops** | - | - | - | - | - | - | - | - | - | - |
| Production of low value and high volume crop | - | - | - | - | - | - | - | - | - | - |
| Off-season vegetables | - | - | - | - | - | - | - | - | - | - |
| Nursery raising | - | - | - | - | - | - | - | - | - | - |
| Exotic vegetables | - | - | - | - | - | - | - | - | - | - |
| Export potential vegetables | - | - | - | - | - | - | - | - | - | - |
| Grading and standardization | - | - | - | - | - | - | - | - | - | - |
| Protective cultivation | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **b) Fruits** | - | - | - | - | - | - | - | - | - | - |
| Training and Pruning | - | - | - | - | - | - | - | - | - | - |
| Layout and Management of Orchards | - | - | - | - | - | - | - | - | - | - |
| Cultivation of Fruit | - | - | - | - | - | - | - | - | - | - |
| Management of young plants/orchards | - | - | - | - | - | - | - | - | - | - |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Export potential fruits | - | - | - | - | - | - | - | - | - | - |
| Micro irrigation systems of orchards | - | - | - | - | - | - | - | - | - | - |
| Plant propagation techniques | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **c) Ornamental Plants** | - | - | - | - | - | - | - | - | - | - |
| Nursery Management | - | - | - | - | - | - | - | - | - | - |
| Management of potted plants | - | - | - | - | - | - | - | - | - | - |
| Export potential of ornamental plants | - | - | - | - | - | - | - | - | - | - |
| Propagation techniques of Ornamental Plants | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **d) Plantation crops** | - | - | - | - | - | - | - | - | - | - |
| Production and Management technology | - | - | - | - | - | - | - | - | - | - |
| 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 | - | - | - | - | - | - | - | - | - | - |
| Integrated water management | - | - | - | - | - | - | - | - | - | - |
| Integrated nutrient management | - | - | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Management of Problematic soils | - | - | - | - | - | - | - | - | - | - |
| Micro nutrient deficiency in crops | - | - | - | - | - | - | - | - | - | - |
| Nutrient use efficiency | - | - | - | - | - | - | - | - | - | - |
| Balanced use of fertilizers | - | - | - | - | - | - | - | - | - | - |
| Soil and water testing | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Livestock Production and Management** | - | - | - | - | - | - | - | - | - | - |
| Dairy Management | - | - | - | - | - | - | - | - | - | - |
| Poultry Management | - | - | - | - | - | - | - | - | - | - |
| Piggery Management | - | - | - | - | - | - | - | - | - | - |
| Rabbit Management | - | - | - | - | - | - | - | - | - | - |
| Animal Nutrition Management | - | - | - | - | - | - | - | - | - | - |
| 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 | 6 | 215 | 12 | 227 | 16 | 2 | 18 | 231 | 14 | 245 |
| Integrated Disease Management | 5 | 235 | 17 | 252 | 19 | 5 | 24 | 254 | 22 | 276 |
| Bio-control of pests and diseases | - | - | - | - | - | - | - | - | - | - |
| Production of bio control agents and bio pesticides | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Fisheries** | - | - | - | - | - | - | - | - | - | - |
| Integrated fish farming | - | - | - | - | - | - | - | - | - | - |
| Carp breeding and hatchery management | - | - | - | - | - | - | - | - | - | - |
| Carp fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Hatchery management and culture of freshwater prawn | - | - | - | - | - | - | - | - | - | - |
| Breeding and culture of ornamental fishes | - | - | - | - | - | - | - | - | - | - |
| Portable plastic carp hatchery | - | - | - | - | - | - | - | - | - | - |
| Pen culture of fish and prawn | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Edible oyster farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Fish processing and value addition | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Production of Inputs at site** | - | - | - | - | - | - | - | - | - | - |
| Seed Production | - | - | - | - | - | - | - | - | - | - |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Bio-agents production | - | - | - | - | - | - | - | - | - | - |
| Bio-pesticides production | - | - | - | - | - | - | - | - | - | - |
| Bio-fertilizer production | - | - | - | - | - | - | - | - | - | - |
| Vermi-compost production | - | - | - | - | - | - | - | - | - | - |
| Organic manures production | - | - | - | - | - | - | - | - | - | - |
| Production of fry and fingerlings | - | - | - | - | - | - | - | - | - | - |
| Production of Bee-colonies and wax sheets | - | - | - | - | - | - | - | - | - | - |
| Small tools and implements | - | - | - | - | - | - | - | - | - | - |
| Production of livestock feed and fodder | - | - | - | - | - | - | - | - | - | - |
| Production of Fish feed | - | - | - | - | - | - | - | - | - | - |
| Mushroom production | - | - | - | - | - | - | - | - | - | - |
| Apiculture | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **CapacityBuilding and Group Dynamics** | - | - | - | - | - | - | - | - | - | - |
| Leadership development | - | - | - | - | - | - | - | - | - | - |
| Group dynamics | - | - | - | - | - | - | - | - | - | - |
| Formation and Management of SHGs | - | - | - | - | - | - | - | - | - | - |
| Mobilization of social capital | - | - | - | - | - | - | - | - | - | - |
| Entrepreneurial development of farmers/youths | - | - | - | - | - | - | - | - | - | - |
| Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Agro-forestry** | - | - | - | - | - | - | - | - | - | - |
| Production technologies | - | - | - | - | - | - | - | - | - | - |
| Nursery management | - | - | - | - | - | - | - | - | - | - |
| Integrated Farming Systems | - | - | - | - | - | - | - | - | - | - |
| Others (Pl. specify) | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **20** | **714** | **67** | **781** | **139** | **21** | **160** | **853** | **84** | **937** |

**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 | 1 | 16 | 0 | 16 | 2 | 0 | 2 | 18 | 0 | 18 |
| Seed production | 1 | 18 | 0 | 18 | 3 | 0 | 3 | 21 | 0 | 21 |
| Production of organic inputs | 1 | 10 | 0 | 10 | 4 | 0 | 4 | 14 | 0 | 14 |
| Planting material production | - | - | - | - | - | - | - | - | - | - |
| Vermi-culture | 1 | 22 | 0 | 22 | 4 | 0 | 26 | 26 | 0 | 26 |
| Mushroom Production | - | - | - | - | - | - | - | - | - | - |
| Bee-keeping | - | - | - | - | - | - | - | - | - | - |
| Sericulture | - | - | - | - | - | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - | - | - |
| Value addition | - | - | - | - | - | - | - | - | - | - |
| Small scale processing | - | - | - | - | - | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | - | - | - | - | - | - |
| Tailoring and Stitching | - | - | - | - | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | - | - | - | - | - |
| Dairying | - | - | - | - | - | - | - | - | - | - |
| Sheep and goat rearing | - | - | - | - | - | - | - | - | - | - |
| Quail farming | - | - | - | - | - | - | - | - | - | - |
| Piggery | - | - | - | - | - | - | - | - | - | - |
| Rabbit farming | - | - | - | - | - | - | - | - | - | - |
| Poultry production | - | - | - | - | - | - | - | - | - | - |
| Ornamental fisheries | - | - | - | - | - | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | - | - | - | - | - |
| Freshwater prawn culture | - | - | - | - | - | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | - | - | - | - | - |
| Cold water fisheries | - | - | - | - | - | - | - | - | - | - |
| Fish harvest and processing technology | - | - | - | - | - | - | - | - | - | - |
| Fry and fingerling rearing | - | - | - | - | - | - | - | - | - | - |
| Any other (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **TOTAL** | **4** | **66** | **0** | **66** | **13** | **0** | **35** | **79** | **0** | **79** |

**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 | 2 | 31 | 5 | 36 | 5 | | 2 | 7 | 36 | 7 | 43 |
| Seed production | 1 | 14 | 0 | 14 | 0 | | 0 | 0 | 14 | 0 | 14 |
| Production of organic inputs | - | - | - | - | - | | - | - | - | - | - |
| Planting material production | - | - | - | - | - | | - | - | - | - | - |
| Vermi-culture | 2 | 26 | 2 | 28 | 7 | | 1 | 8 | 33 | 3 | 36 |
| Mushroom Production | - | - | - | - | - | | - | - | - | - | - |
| Bee-keeping | - | - | - | - | - | | - | - | - | - | - |
| Sericulture | - | - | - | - | - | | - | - | - | - | - |
| Repair and maintenance of farm machinery and implements | - | - | - | - | - | | - | - | - | - | - |
| Value addition | - | - | - | - | - | | - | - | - | - | - |
| Small scale processing | - | - | - | - | - | | - | - | - | - | - |
| Post Harvest Technology | - | - | - | - | | - | - | - | - | - | - |
| Tailoring and Stitching | - | - | - | - | | - | - | - | - | - | - |
| Rural Crafts | - | - | - | - | | - | - | - | - | - | - |
| Production of quality animal products | - | - | - | - | - | | - | - | - | - | - |
| Dairying | - | - | - | - | - | | - | - | - | - | - |
| Sheep and goat rearing | - | - | - | - | - | | - | - | - | - | - |
| Quail farming | - | - | - | - | - | | - | - | - | - | - |
| Piggery | - | - | - | - | - | | - | - | - | - | - |
| Rabbit farming | - | - | - | - | - | | - | - | - | - | - |
| Poultry production | - | - | - | - | - | | - | - | - | - | - |
| Ornamental fisheries | - | - | - | - | - | | - | - | - | - | - |
| Composite fish culture | - | - | - | - | - | | - | - | - | - | - |
| Freshwater prawn culture | - | - | - | - | - | | - | - | - | - | - |
| Shrimp farming | - | - | - | - | - | | - | - | - | - | - |
| Pearl culture | - | - | - | - | - | | - | - | - | - | - |
| Cold water fisheries | - | - | - | - | - | | - | - | - | - | - |
| Fish harvest and processing technology | - | - | - | - | - | | - | - | - | - | - |
| Fry and fingerling rearing | - | - | - | - | - | | - | - | - | - | - |
| Any other (pl.specify) | - | - | - | - | - | | - | - | - | - | - |
| **TOTAL** | **5** | **71** | **7** | **78** | **12** | | **3** | **15** | **83** | **10** | **93** |

**7.E.Trainingprogrammes 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 | 1 | 23 | 3 | 25 | 2 | 0 | 2 | 25 | 3 | 28 |
| Integrated Pest Management | 1 | 35 | 2 | 37 | 4 | 0 | 4 | 39 | 2 | 41 |
| Integrated Nutrient management | 1 | 35 | 2 | 37 | 4 | 0 | 4 | 39 | 2 | 41 |
| Rejuvenation of old orchards | - | - | - | - | - | - | - | - | - | - |
| Protected cultivation technology | - | - | - | - | - | - | - | - | - | - |
| Production and use of organic inputs | - | - | - | - | - | - | - | - | - | - |
| Care and maintenance of farm machinery and implements | - | - | - | - | - | - | - | - | - | - |
| Gender mainstreaming through SHGs | - | - | - | - | - | - | - | - | - | - |
| Formation and Management of SHGs | - | - | - | - | - | - | - | - | - | - |
| Women and Child care | - | - | - | - | - | - | - | - | - | - |
| Low cost and nutrient efficient diet designing | - | - | - | - | - | - | - | - | - | - |
| Group Dynamics and farmers organization | - | - | - | - | - | - | - | - | - | - |
| Information networking among farmers | - | - | - | - | - | - | - | - | - | - |
| Capacity building for ICT application | - | - | - | - | - | - | - | - | - | - |
| Management in farm animals | - | - | - | - | - | - | - | - | - | - |
| Livestock feed and fodder production | - | - | - | - | - | - | - | - | - | - |
| Household food security | - | - | - | - | - | - | - | - | - | - |
| Any other (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **Total** | **3** | **93** | **7** | **99** | **10** | **0** | **10** | **103** | **7** | **110** |

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

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

7.G. Sponsored training programmes conducted

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Area of training** | **No. of**  **Courses** | **No. of Participants** | | | | | | | | |
| **General** | | | **SC/ST** | | | **Grand Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **1** | **Crop production and management** | - | - | - | - | - | - | - | - | - | - |
| 1.a. | Increasing production and productivity of crops | - | - | - | - | - | - | - | - | - | - |
| 1.b. | Commercial production of vegetables | - | - | - | - | - | - | - | - | - | - |
| **2** | **Production and value addition** | - | - | - | - | - | - | - | - | - | - |
| 2.a. | Fruit Plants | - | - | - | - | - | - | - | - | - | - |
| 2.b. | Ornamental plants | - | - | - | - | - | - | - | - | - | - |
| 2.c. | Spices crops | - | - | - | - | - | - | - | - | - | - |
| **3.** | **Soil health and fertility management** | - | - | - | - | - | - | - | - | - | - |
| **4** | **Production of Inputs at site** | - | - | - | - | - | - | - | - | - | - |
| **5** | **Methods of protective cultivation** | - | - | - | - | - | - | - | - | - | - |
| **6** | **Others (pl.specify)** |  |  |  |  |  |  |  |  |  |  |
| **7** | **Post harvest technology and value addition** | - | - | - | - | - | - | - | - | - | - |
| 7.a. | Processing and value addition | - | - | - | - | - | - | - | - | - | - |
| 7.b. | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **8** | **Farm machinery** | - | - | - | - | - | - | - | - | - | - |
| 8.a. | Farm machinery, tools and implements | - | - | - | - | - | - | - | - | - | - |
| 8.b. | Others (pl.specify) | - | - | - | - | - | - | - | - | - | - |
| **9.** | **Livestock and fisheries** | - | - | - | - | - | - | - | - | - | - |
| **10** | **Livestock production and management** | - | - | - | - | - | - | - | - | - | - |
| 10.a. | Animal Nutrition Management | 1 | 24 | 0 | 24 | 2 | 0 | 2 | 26 | 0 | 26 |
| 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** | **1** | **24** | **0** | **24** | **2** | **0** | **2** | **26** | **0** | **26** |

**Details of sponsoring agencies involved**

1. Dept of Animal Husbandry, Jewargi

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

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **SL.**  **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** |
| **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** |

**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 | 4462 | 11500 | 210 | 11710 | 1263 | 28 | 532 | 52 | 12 | 64 |
| Farmers visit to KVKs | 2029 | 1585 | 183 | 1768 | 189 | 72 | 261 | 35 | 8 | 43 |
| Lectures delivered as resource persons | 14 | 435 | 21 | 456 | 62 | 12 | 74 | 21 | 4 | 25 |
| Diagnostic Visits | 26 | 140 | 16 | 156 | 44 | 6 | 50 | 14 | 4 | 18 |
| Field Days | 4 | 132 | 4 | 136 | 28 | 0 | 28 | 5 | 0 | 5 |
| Group discussions/ meetings | - | - | - | - | - | - | - | - | - | - |
| Kisan Gosthies | - | - | - | - | - | - | - | - | - | - |
| Film Shows | 11 | 225 | 30 | 255 | 21 | 2 | 23 | 21 | 6 | 27 |
| Self help group meetings | - | - | - | - | - | - | - | - | - | - |
| Mahilamandals meetings | - | - | - | - | - | - | - | - | - | - |
| Kisan Melas | 1 | 2000 | 351 | 2351 | 611 | 51 | 662 | 50 | 15 | 65 |
| Exhibitions | 1 | 2000 | 351 | 2351 | 611 | 51 | 662 | 50 | 15 | 65 |
| Scientist visit to farmers fields | 78 | 175 | 12 | 187 | 23 | 2 | 25 | 18 | 4 | 22 |
| Soil health camps | - | - | - | - | - | - | - | - | - | - |
| Animal health camps | - | - | - | - | - | - | - | - | - | - |
| Plant health camps | - | - | - | - | - | - | - | - | - | - |
| Farm Science Club meetings | - | - | - | - | - | - | - | - | - | - |
| Ex-trainees Sammelans | - | - | - | - | - | - | - | - | - | - |
| Farmers seminars | - | - | - | - | - | - | - | - | - | - |
| Workshops | - | - | - | - | - | - | - | - | - | - |
| Method Demonstrations | 10 | 184 | 17 | 201 | 35 | 9 | 44 | 16 | 4 | 20 |
| Celebration of important days | 4 | 112 | 15 | 127 | 22 | 7 | 29 | 11 | 2 | 13 |
| Special day celebrations | 5 | 137 | 13 | 150 | 21 | 7 | 28 | 9 | 1 | 10 |
| Exposure visits | - | - | - | - | - | - | - | - | - | - |
| Others, Please specify | - | - | - | - | - | - | - | - | - | - |
| **Total** | **6645** | **18625** | **1223** | **19848** | **2930** | **247** | **2418** | **302** | **75** | **377** |

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

|  |  |  |
| --- | --- | --- |
| Sl. No. | **Type of media/activity** | **Number of activities/Number** |
| 1 | Popular articles | 6 |
| 2 | Newspaper coverage | 15 |
| 3 | Extension Literature | - |
| 4 | Radio Talks | 8 |
| 5 | TV Talks | - |
| 6 | CD/DVD/Video clips | - |
| 7 | Animal health camps (no. of animal treated) | - |
| 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 theVariety | Quantity of seed(q) | Value(Rs) | Number of farmers to whom provided |
| Cereals (crop wise) | Millets | Local | 2.00 | 10400 | Yet to provide |
| Oilseeds | Safflower | IFS-764 | 1.50 | 10800 | 50 |
| Pulses | Pigeonpea | GRG-811 (Year: 2020) | 30.00 | 224000 | 600 |
| Greengram | BGS-9 | 1.40 | 8200 | - |
| Chickpea | JG-11 | 3.00 | 18000 | - |
| Pigeonpea | GRG-152 (Year: 2021) | 28.00 | - | Yet to provide |
| Commercial crops | - | - | - | - | - |
| Vegetables | Lemon | Kagzi | 30 kg | 1750 | 40 |
|  | Drumstick | Bhagya | 40 kg | 2400 | 25 |
| Flower crops | - | - | - | - | - |
| Spices | - | - | - | - | - |
| Fodder crop seeds | - | - | - | - | - |
| Fiber crops | - | - | - | - | - |
| Forest Species | - | - | - | - | - |
| Others (specify) | - | - | - | - | - |
| **Total** |  |  | 65.90 | 275550 |  |

**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 | Hybrid napier | Super napier | 10000 | 10000 |  |
| Gini | Nandini | 5000 | 5000 |  |
| Samrudhi | 5000 | 5000 |  |
| Multicut sorghum | CoFS-29 | 1kg | 400 |  |
| Hedge Lucerne | Local | 1kg | 800 |  |
| Forest Species | **-** | **-** | **-** | **-** | **-** |
| Others(specify) | **-** | **-** | **-** | **-** | **-** |
| **Total** | **-** | **-** | **-** | **21200** |  |

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

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

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

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

# 9.D. Production of livestock :-Nil-

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

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

(ii) Summary of Literature developed/published

|  |  |
| --- | --- |
| **Item** | **Number** |
| Research papers- International | 1 |
| Research papers- National | 0 |
| Technical reports | 0 |
| Technical bulletins | 3 |
| Popular articles - English |  |
| Popular articles – Local language | 2 |
| Extension literature | - |
| Others if any | 0 |

(iii) Details of Literature developed/published

Please provide the details of above publication in the following format:

1.       Research articles in journals: Complete citation indicating authors, year of publication, title of publication, journal name, volume and page number in sequence.

N. Manjunatha, Palaiah, P., Basavaraj. K and **Basaraj Kadannavar**,( 2021) Effect of use of post emergent weedicide on sugarcane yield and economics International Conference on Sugarcane Research: Sugarcane for Sugar and Beyond (CaneCon-2021), 19-22 June 2021, Coimbatore, India

2.       Technical Reports/ bulletins: Authors name, Title of the technical report, name of publishing KVK, number of pages.

Example:

Abrol I P, Dargan K S and Bhumbla D R, (1973) Reclaiming Alkali Soils, Bulletin No. 2, Central Soil Salinity Research Institute, Karnal, 58p.

1. Popular articles: Authors name, Title of the article, date of publication, Name of the newspaper/magazine, page no.

1.Sanjeevkumar Pati and Vikram Simha H.V, (2021) Krushi Savalugalannu Edurisalu mobile applicationgala tantragyan, *Krishi Kamadenu,34*(03):11-13.

2.Vikram Simha H.V and Manjunatha N., (2022) Samagra Krishiya Samptrupta Raita Mahile, *Krishi Kamadenu,35*(01):34-36.

1. Extension literature; Authors name, month and year of publication, Title of extension literature like folders, pamphlets etc., name of publishing KVK, number of pages.

Example:

Ravi Kand Shankar R, (2021) Sodic soil reclamation, No. 20, KVK Koppel, 4p.

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No** | **Type of media** | **Title** | **Details** |
| 1 | CD / DVD | - | **-** |
| 2 | Mobile Apps | - | - |
| 3 | Social media groups with KVK as Admin | KVK, Raddewadgi  Rasanagi farmers  Organic farmers (Rasangi & Kanaganahalli) |  |
| 4 | Facebook account name | KRISHI VIGYAN KENDRA KALABURAGI-2  <https://www.youtube.com/channel/UCii7SdCPatqKvJTDG9ratRw> | 11 short videos |
| 5 | Instagram account name | pckvkrwd@gmail.com |  |
| 6 | Others if any | **-** | **-** |

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

ICAR-KVK, Kalaburgi-II (Raddewadgi) recorded and submitted 110 Success stories of farmers whose income has been doubled during last three years.

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

**Farmers**

10.E. Give details of Indigenous Technical Knowledge practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Crop / Enterprise** | **ITK Practiced** | **Purpose of ITK** | **Scientific Rationale** |
| **-** | **-** | **-** | **-** | **-** |

10 F. Technology Week celebration: **-Nil-**

Period of observing Technology Week: From to

Total number of farmers visited :

Total number of agencies involved :

Number of demonstrations visited by the farmers within KVK campus :

Other Details

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

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

University of Agricultural Sciences, Raichur awarded with Second Best Exhibition Stall during National Horticultural Fair 2021 where ICAR-KVK, Kalaburgi-II (Raddewadgi) was part of exhibition.

**PART XI – SOIL AND WATER TEST**

**11.1 Soil and Water Testing Laboratory**

A. Status of establishment of Lab :

1. Year of establishment : 2018

2. List of equipments purchased with amount :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl.  No | Name of the Equipment | Qty. | Cost | Status |
| 01 | pH Meter | 01 | 19,5001 | Working |
| 02 | EC Meter | 01 | 20,700 | Working |
| 03 | Nitrogen Double distillation unit | 01 | 4,56,459 | Working |
| 04 | Water Double distillation unit | 01 | 3,47,797 | Working |
| 05 | Flame Photometer | 01 | 54,500 | Working |
| 06 | Spectrophotometer | 01 | 77,200 | Working |
| 07 | Digital weighing Balance | 01 | 29,340 | Working |
| 08 | Micro nutrients Analysis Unit | 01 | 14,46,000 | Working |
| 09 | Mridapariksha soil testing kit | 01 | 86,000 | working |
| 10 | Test Sieves | 03 | 8000 | Working |
| 11 | Electronic Weighing Balance | 01 | 10,043 | Working |
| 12 | Mechanical Shaker | 01 | 53,764 | Working |
| 13 | Hot air Oven | 01 | 43,754 | Working |
| 14 | Mixture Grinder | 01 | 3,900 | Working |
| 15 | Electrical Heater | 01 | 1,990 | Working |
| 16 | Metal Frame Laboratory Table  (Size : 12 ft x 5 ft x 3 ft) | 01 | 1,82,993 | Working |
| Total | | 13 | **28,34,448** |  |

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 | 242 | 242 | 150 | 48,400/- |
| Water Samples | 96 | 96 | 45 | 9.600/- |
| Plant samples | - | - | - | - |
| Manure samples | - | - | - | - |
| Others (specify) | - | - | - | - |
| Total | 338 | 338 | 195 | 58,000/- |

C. Details of samples analyzed during 2021:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analyzed | No. of Farmers benefited | No. of Villages | Amount realized (Rs.) |
| Soil Samples | 88 | 40 | 25 | 17,600/- |
| Water Samples | 66 | 30 | 20 | 6,600/- |
| Plant samples | - | - | - | - |
| Manure samples | - | - | - | - |
| Others (specify) | - | - | - | - |
| Total | 154 | 70 | 45 | 24,200/- |

11.2 Mobile Soil Testing Kit

A. Date of purchase and current status

|  |  |  |
| --- | --- | --- |
| Mobile Kits | Date of purchase | Current status |
| 1. | 15.3.2017 | Not using |

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 | Jan-2021 to December 2021 | 45 | 70 | 154 | 154 |
| 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 | 40 | 20 | - | - | 3 | Soil media-1 |

**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)** |
| Waste decomposer demonstration for decomposing agricultural waste | 20 | 70 | -Nil- | 2000 |

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) :**-

Wilt resistant high yielding variety GRG-811 has been widely accepted by farmers and cultivating the variety in our DFI adopted villages and nearby villages

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

1. Seed hub project: Quality seeds of pulses and oilseeds crops like Pigeonpea, Greengram and Safflower sale to the farmers. (700 qtls)
2. CFLD : In cluster villages pulses Pigeonpea, Greengram, Blackgram and Chickpea crops ICM practices have been demonstrated and well received by the farmers (175 demonstration)
3. Seed production activities: In the farmer’s field cluster approach is adopted for growing popular varieties of pulses.

**PART XIII - LINKAGES**

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

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| KSDA | Training programmes with respect to crop survey and also management of white fly in sugarcane |
| Identification of progressive farmers of Kalaburgi district for best farmer |
| Rapid rowing survey for pest and disease incidence |
| Survey of flood affected fields of Kalaburgi district to assess the damage caused during flood |
| Large scale farmers problems have been attended with department officials |
| One scientist one RSK Programme , scientist visiting RSK regularly |
| Dept of AH&VS | Training programme |
| Animal health camp |
| Dept of Horticulture | Training programme |
| CADA | Training programme |
| NGO’s | Training programme |
| Private firms | Training and awareness programme |

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:** -Nil-

**Coordination activities between KVK and ATMA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Programme** | **Particulars** | **No. of programmes attended by KVK staff** | **No. of programmes Organized by KVK** | **Other remarks (if any)** |
| **01** | **Meetings** |  |  |  |  |
| **02** | **Research projects** |  |  |  |  |
| **03** | **Training programmes** |  |  |  |  |
| **04** | **Demonstrations** |  |  |  |  |
| **05** | **Extension Programmes** |  |  |  |  |
|  | Kisan Mela |  |  |  |  |
|  | Technology Week |  |  |  |  |
|  | Exposure visit |  |  |  |  |
|  | Exhibition |  |  |  |  |
|  | Soil health camps |  |  |  |  |
|  | Animal Health Campaigns |  |  |  |  |
|  | Others (Pl. specify) |  |  |  |  |
| **06** | **Publications** |  |  |  |  |
|  | Video Films |  |  |  |  |
|  | Books |  |  |  |  |
|  | Extension Literature |  |  |  |  |
|  | Pamphlets |  |  |  |  |
|  | Others (Pl. specify) |  |  |  |  |
| **07** | **Other Activities** (Pl.specify) |  |  |  |  |
|  | Watershed approach |  |  |  |  |
|  | Integrated Farm Development |  |  |  |  |
|  | Agri-preneurs development |  |  |  |  |

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

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

**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** : m-kisan portal is not working many times messages sent but message could not delivered to registered mobile number.

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

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

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

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Demo Unit** | **Year of**  **establishment** | **Area**  **(ha)** | **Details of production** | | | **Amount (Rs.)** | | **Remarks** |
| **Variety** | **Produce** | **Qty.** | **Cost of inputs** | **Gross income** |
| 1 | Roof top rain water harvesting | 2019-20 | 0.055 | - | - | - | - | - | - |
| 2 | Seed processing unit | 2016-17 | - | TS 3R  GRG-811 | Pigeonpea |  | 23,00,200/- | 28,00,000/- | - |

**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**  **(kgs).** | **Cost of inputs** | **Gross income** |
| **Cereals** | | | | | | | | | |
| Millets | 01-07-2021 | 18-10-2021 | 0.20 | Local | Bluck | 200 | 4200 | 7400 | - |
| **Pulses** | | | | | | | | | |
| Pigeonpea | 04-07-2021 | 22-01-2022 | 3.4 | GRG-152 | Seed | 2800 | 87165 | 252000 | - |
| Pigeonpea | 07-07-2021 | 22-02-2022 | 0.10 | TS-3R | Seed | 150 | 3200 | 10600 | - |
| Pigeonpea | 07-07-2021 | 22-12-2021 | 0.10 | GRG-811 | Seed | 50 | 1400 | 4200 | - |
| Pigeonpea | 07-07-2021 | 28-12-2021 | 0.10 | BSMR-736 | Seed | 80 | 1650 | 10840 | - |
| Chickpea | 30-10-2021 | Maturity | 0.20 | NBeG-3  BGD-111-1  Super Annegeri | Bluk | - | - | - | - |
| Oilseeds | | | | | | | | | |
| Safflower | 30-10-2021 | Maturity | 0.30 | ISF-764 | - | - | - | - | - |
| Fibers |  |  |  |  |  |  |  |  |  |
| Spices & Plantation crops | | | | | | | | | |
| Floriculture | - | - | - | - | - | - | - | - | - |
| Fruits | - | - | - | - | - | - | - | - | - |
| Vegetables | - | - | - | - | - | - | - | - | - |
| Others (specify) | | | | | | | | | |

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

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

**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 :** Not yet established

Accommodation available (No. of beds)

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

**14F. Database management**

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

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

1. **Rain Water Harvesting Structure**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Amount sanction (Rs.)** | **Expenditure (Rs.)** | **Details of infrastructure created / micro irrigation system etc.** | **Activities conducted** | | | | | **Quantity of water harvested in ‘000 litres** | **Area irrigated / utilization pattern** |
| **No. of Training programmes** | **No. of Demonstration s** | **No. of plant materials produced** | **Visit by farmers**  **(No.)** | **Visit by officials**  **(No.)** |
| - | - | - | - | 1 | - | 50 | 5 | - | Office garden |

1. **Micro-irrigation systems**

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

**PART XV – SPECIAL PROGRAMMES**

**15.1 Paramparagath Krishi Vikas Yojana (PKVY) :-**Nil-

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl No.** | **Name of cluster village** | **Initial soil fertility status (Average of cluster village)** | | | | **Facilities created for organic source of manure** | **Name of Crops cultivated** | **Variety** | **Organic inputs applied including bio-agents and botanicals treatment** | **Yield (q/ha)** | **Economics** | |
| **Aval. N** | **Aval. P** | **Aval. K** | **OC %** | **Cost of cultivation (Rs/ha)** | **Net returns (Rs/ha)** |
| 1 | 1. |  |  |  |  |  |  |  |  |  |  |  |
|  | 2. |  |  |  |  |  |  |  |  |  |  |  |
| 2 | 1. |  |  |  |  |  |  |  |  |  |  |  |
|  | 2. |  |  |  |  |  |  |  |  |  |  |  |

**15.2 District Agriculture Meteorological Unit (DAMU) :** Yet to be start

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

**15.3 Fertilizer awareness programme organised**

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

**15.4 Seed Hub**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Crops*** | ***Variety*** | ***Year of release*** | ***Production*** | | | | ***No of farmers benefited/Sold to no. of farmers*** | ***Quantity seed sold (q)*** |
| ***Target (q)*** | ***Area (ha.)*** | ***Actual Production***  ***(q)*** | ***Category***  ***(FS/CS)*** |
| Pigeonpea | TS 3R | 2011 | 500 | 6 | 25 | CS | - | ***To be sold coming Kharif 2022*** |
| GRG 811 | 2018 | 500 | 38.4 | 480 | CS | - |

**15.5 CFLD on Oilseeds:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop** | **Varieties demonstrated and check** | **Allocated** | | **Implemented** | |
| **Area (ha)** | **Demos (No.)** | **Area (ha)** | **Demos (No.)** |
| 1 | Groundnut | *Rabi/ Summer* | 20 | 50 | 20 | 50 |
| 2 | Safflower | *Rabi* | 20 | 50 | 20 | 50 |
| **Total** | | | **40** | **100** | **20** | **50** |

**15.6 CFLDs on Pulses:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Crop** | **Varieties demonstrated and check** | **Allocated** | | **Implemented** | |
| **Area (ha)** | **Demos (No.)** | **Area (ha)** | **Demos (No.)** |
| 1 | Greengram | *Kharif* | 10 | 25 | 10 | 25 |
| 2 | Blackgram | *Kharif* | 10 | 25 | 10 | 25 |
| 3 | Pigeonpea | *Kharif* | 10 | 25 | 10 | 25 |
| 4 | Chickpea | *Rabi* | 10 | 25 | 10 | 25 |
| **Total** | | | **40** | **100** | **40** | **100** |

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

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

**15.8 Micro-Irrigation**

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

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

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

**15.10 SCSP**

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

**15.11 NARI**: -Nil-

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

**15.12 KVK Portal**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **No. of Events added by KVKs** | **No. of Facilities added by KVKs** | **Filled Report on Package of Practices (Y/N)** | | | | **Filled Profile Report (Y/N)** | | | | | | | |
| **Crop** | **Livestock** | **Fisheries** | **Horticulture** | **Employees** | **Posts** | **Finance** | **Soil Health Cards** | **Appliances** | **Crops** | **Resources** | **Fish** |
| 128 | 6 | Y | - | - | Y | Y | Y | Y | Y | Y | Y | Y | - |

**15.13 KSHAMTA**

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

**15.14 DFI**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl** | **District** | **Taluks** | **Villages** | **Farmers (No.)** | **Average Benchmark Income (Rs/year)** | **Crops/ enterprises** | **KVK Interventions** | **Additional Net Income generated due to KVK interventions (Rs/year)** | **Total income of farmer (Rs/year)** |
| 1 | Kalaburgi | Jewargi | Rasanagi | 50 | 1,90,492 | Pigeonpea, , Greengram, Blackgram, Chickpea Tomato  Sorghum, Wheat, Groundnut and Cotton | OFT, FLD, CFLD, Method demonstration, Agro Advisory , Diagnostic field visit , Value addition, Market linkage | 76196 | 266688 |
| 2 | Sedam | Beeranahalli | 50 | 1,07,876 | Pigeonpea, , Greengram, Blackgram, Chickpea  Sorghum and Wheat, | 43150 | 151026 |
| 3 | Chittapur | Malaga (K) | 50 | 1,01,690 | Pigeonpea, , Greengram, Blackgram, Chickpea  Sorghum and Groundnut | 40676 | 142366 |

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

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Crop varieties/hybrids assessed/ demonstrated** | **Farmer’s feedback** |
| 1 | Pigeonpea: Short duration varieties Pusa-16, GC-11-39 and PRG-176 | Short duration variety pusa-16 seems to be promising to go for second rabi crops however noticed more of SMD (1-2%) |
| 2 | Safflower: ISF-764 | Got good yields and oil contents also more compare to local varieties |
| 3 | Summer Blackgram TRCRU-22 and Summer Greengram TRCRM-147 | Farmers opined that got additional crop during summer season and got acceptable yield |

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

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Agronomic practices** | **Farmer’s feedback** |
| 1 | Nipping in Pigeonpea | Due to nipping got more yield and quality produce |
| 2 | Use of pulse magic in Pulses | Due to use of pulse magic during flowering stage quality produce has been obtained in Pigeonpea |
| 3 | Foliar nutrition in Cotton | Due to foliar nutrition leaf reddening has been reduced considerably and obtained higher yields |

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

|  |  |  |
| --- | --- | --- |
| **Sl.**  **No.** | **Pest and disease management in crops** | **Farmer’s feedback** |
| 1. | Integrated pest management of tomato pin worm | Use of pheromone traps for monitoring and mass trapping and M.anisoplea bioagents are non chemical and cost effective for the management of tomato pinworm |
| 2 | Integrated approach for the management of fall army worm in sorghum | Use of pheromone traps for monitoring and mass trapping and M.anisoplea bioagents are non chemical and cost effective for the management of fall army worm |
| 3 | Management of dry root rot disease in chickpea | Application of trichoderma enriched neem cake before sowing helps in reduction of this disease |
| 4 | Integrated pest and disease management in cotton | By use of non chemical methods like installation of blue and yellow sticky traps, sowing of maize in thick row outside the border, erection of phenomenon traps for PBW monitoring and mass, trapping and planting of marigold or bhendi or Pigeonpea or non Bt-Cotton at 10:1 helps in reduction of insect pest and encouragement of natural enemies in cotton |

**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 | Jewargi | 20234 | Gen. KVK | 32123915161 | 585002040 | SBIN0020234 |
| ICAR | SBI | Jewargi | 20334 | ICAR. R.F | 32124059140 | - | SBIN0020234 |

**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** | 186.50 | 162.48 | 132.47 |
| 2 | **Traveling allowances** | 0.50 | 0.50 | 0.26 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 3.00 | 3.00 | 1.80 |
| *B* | POL, repair of vehicles, tractor and equipments | 3.00 | 3.00 | 1.92 |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | 0.40 | 0.40 | 0.21 |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 0.24 | 0.24 | 0.10 |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 1.85 | 1.85 | 1.45 |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 1.42 | 1.42 | 0.51 |
| *G* | Training of extension functionaries | 0.24 | 0.24 | 0.10 |
| *H* | Maintenance of buildings | 0.20 | 0.20 | 0.10 |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory | 1.00 | 1.00 | 1.00 |
| *J* | Library | 0.05 | 0.05 | 0.02 |
| **TOTAL (A)** | | **198.4** | **174.38** | **139.94** |
| **B. Non-Recurring Contingencies** | |  |  |  |
| 1 | **Works** | 20.00 | 20.00 | - |
| 2 | **Equipment including SWTL & Furniture** | 6.00 | 6.00 | 6.00 |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | 0 | 0 | 0 |
| 4 | **Library** (Purchase of assets like books & journals) | 0 | 0 | 0 |
| **TOTAL (B)** | | 26.00 | 26.00 | 6.00 |
| **C. REVOLVING FUND** | | 0 | 0 | 0 |
| **GRAND TOTAL (A+B+C)** | | **224.4** | **200.38** | **145.94** |

**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 | 19.53 | 3.053 | 7.079 | 15.66 |
| January to December 2020 | 15.66 | 20.68 | 19.70 | 16.64 |
| January to December 2021 | 16.64 | 12.49 | 20.01 | 9.12 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the staff** | **Designation** | Title of the training programme | Institute where attended | Dates |
| Dr. Basavaraj Kadanavar | Scientist (Agril. Entomology) | Formation and Promotion of FPOs | Directorate of Extension, UAS, Raichu | 29 and 30th January 2021 |
| 21 days winter school on Modern practices of plant and animal nutrition for sustainable agriculture production and intensive livestock Development | ICAR-IGFRI, Dharwad, UAS Raichur and National Agriculture Development cooperative Ltd. Baramulla (UT of J & K) | 02nd to 22nd February, 2021 |
| Improving eGovernance in Agriculture | MANAGE, Hyderabad | 15-17 February, 2021 |
| Formation and Promotion of 10,000 FPOs | IIMR, Hyderabad | 05.03.2021 |
| Sustainable Management of Birds In Agri-Horticultural Ecosystems | NIPHM, Hyderabad | 30th June, 2021 |
| Capacity Development Programme on Virtual Farmers Field School | ICAR-ATARI Zone VIII, and University of Agricultural and Horticultural Sciences, Shivamogga | 14.6.2021. |
| International webinar on Desert locust *Schistocerca gregaria* (Forskål) - International scenario and a potential threat to India | NIPHM, Hyderabad | 02.07.2021 |
| 21 Days National Refresher Course on “Reorienting Extension Education and Advisory Services for Sustainable Development of Farming Community” | KVAFSU, Bidar | 08th to 28th  July, 2021 |
| Dr. Basavaraj Kadanavar | Scientist, (Agril. Entomology) | Linking of FPOs for Agri Exports | NIAEM, (MANAGE) Hyderabad | 7th-9th, September, 2021 |
| Strategies for climate risk management and resilient farming | ICAR-CRIDA, Hyderabad and NIAEM, Hyderabad | 20th -24th, September, 2021 |
| e-Pest surveillance and Pest Advisory | e-sap unit UAS Raichur | 29.09.2021 |
| Pigeonpea diseases-Detection, Phenotyping and Management | ICRISAT-Patancheru, ARS, Badnapur, VNMKV-Parbhani and ICAR-AICRP on Pigeonpea | 24th to 26th November, 2021 |
| Dr. Manjunatha N | Scientist (Agronomy) | E-Resource, E-Learning and IOT | UAS, Raichur and NAARM, Hyderabad | 13-17th December -2021 |
| E-Resource, E-Learning and IOT | MANAGE, Hyderabad and UAS, Raichur, | 20-24th December -2021 |

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