# PROFORMA FOR ANNUAL REPORT APRIL 2019-MARCH 2020

## 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address | Telephone | | E mail |
|---|---|---|---|
| KVK Srinagar | Office | FAX | |
| (Near Railway Station Peerbagh Srinagar) | 9419079152 | - | kvksrinagar@hotmail.com |

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

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| Sher- e- Kashmir University of Agricultural Sciences and Technology of Kashmir | 0194-461258 | 0194-461260 | vc@skuastkashmir.ac.in<br>deeskuastk@gmail.com |

1.3. Name of the Programme Coordinator with phone, mobile No & e-mail

| Name | Telephone / Contact | | |
|---|---|---|---|
| Dr. Rekhi Singh | Residence | Mobile | Email |
| | Green View Colony Allochi Bagh Srinagar | 9419078638 | rekhiextension@gmail.com |

1.4. Year of sanction: **2002-2003**

1.5. Staff Position (as on 31st March 2020)

| Sl. No. | Sanctioned post | Name of the incumbent | Age | Discipline with highest degree obt. | Pay Band & Grade Pay (Rs.) | Exiting Present basic (Rs.) | Date of joining at present post | Permanent /Temporary | Category (SC/ST/ OBC/ Others) |
|---|---|---|---|---|---|---|---|---|---|
| 1 | Sr. Scientist & Head | Dr. Rekhi Singh | 60 | Agri Extension | - | 143600 | August 2016 | Permanent | Others |
| 2 | Subject Matter Specialist | Dr. Nasreen Jahan | 57 | Home Science | - | 139400 | December 2018 | Permanent | Others |
| 3 | Subject Matter Specialist | Dr. Asima Amin | 37 | Vegetable Science | - | 77600 | November 2013 | Permanent | Others |
| 4 | Subject Matter Specialist | Dr. Rayees Ahmad Wani | 44 | Fruit Science | - | 66800 | May 2018 | Permanent | Others |
| 5 | Subject Matter Specialist | Dr. Ajaz Ahmad Ganaie | 40 | Animal Science | - | 63000 | June 2019 | Permanent | Others |
| 6 | Subject Matter Specialist | Dr. Uzma Bashir | 42 | Soil Science | - | 89900 | January 2017 | Permanent | Others |
| 7 | Subject Matter Specialist | Dr. Ishtaq Ahad | 43 | Plant Protection | - | 92600 | August 2017 | Permanent | Others |
| 8 | Programme Assistant | Mr. Mohd Ashraf Mir | 57 | Entomology | - | 75200 | September 2007 | Permanent | Others |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 9 | Programme Assistant (Computer) | Mr. Yasir Arfat Bhat | 43 | I.T | - | 55200 | February 2012 | Permanent | Others |
| 10 | Farm Manager | Mr. Jalal-u-Din Peer | 58 | BSc Agri. | - | 77400 | July 2012 | Permanent | Others |
| 11 | Accountant/Superintendent | Mr. Parvaiz Ahmad | 58 | B.Com | - | 77700 | June 2019 | Permanent | Others |
| 12 | Stenographer | Mr. Gh. Mohd. Mir | 52 | BSc. | - | 50500 | February 2014 | Permanent | Others |
| 13 | Driver 1 | Mr. Hilal Ahmad Mir | 38 | Matric | - | 19900 | January 2019 | Permanent | Others |
| 14 | Driver 2 | Mr. Gh. Nabi Sofi | 59 | Matric | - | 34300 | January 2019 | Permanent | Others |
| 15 | Supporting staff 1 | Mr. Javid Ahmad Chopan | 36 | - | - | 22000 | July-2007 | Permanent | Others |
| 16 | Supporting staff 2 | Mr. Ali Mohd Bhat | 42 | - | - | 18700 | July-2007 | Permanent | Others |

1.6. Total land with KVK (water logged/Marshy): 19.35 ha
Cultivable Land (Filled with fertile soil): 0.4 ha

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | 0.1 |
| 2. | Under Demonstration Units | 0.1 |
| 3. | Under Crops | 0.2 |
| 4. | Duckery/Fishery | 0.1 |
| 5. | Others (Water logged/Marshy) | 18.85 |

1.7. Infrastructural Development:

A) Buildings

| S. No. | Name of building | Source of funding | Stage | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | Complete | | | Incomplete | | |
| | | | Completion Date | Plinth area (Sq.m) | Expenditure (Rs.) | Starting Date | Plinth area (Sq.m) | Status of construction |
| 1. | Administrative Building | ICAR | - | 250 sq.m | - | - | | Single story Completed |
| 2. | Farmers Hostel | | | | | | | |
| 3. | Staff Quarters | | | | | | | |
| | 1 | | | | | | | |
| | 2 | | | | | | | |
| | 3 | | | | | | | |
| | 4 | | | | | | | |
| | 5 | | | | | | | |
| | 6 | | | | | | | |
| 4. | Demonstration Units | | | | | | | |
| | 1. Livestock 1 | ICAR | - | - | - | - | 160 | Completed |
| | 2. Livestock 2 | ICAR | - | - | - | - | 100 | Completed |
| | 3 Duckery /fisheries | ICAR | | | | | 1500 | Completed |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| 5 | Fencing | | | | | | | |
| 6 | Rain Water harvesting system | | | | | | | |
| 7 | Threshing floor | | | | | | | |
| 8 | Farm godown | | | | | | | |

B) Vehicles

| Type of vehicle | Year of purchase | Cost (Rs.) | Total kms. Run | Present Status |
|---|---|---|---|---|
| Bolero | 2019 | 800000 | 5300 | Running |

C) Equipments including Tractor & AV aids

| Name of the equipment | Year of purchase | Cost (Rs.) | Present status |
|---|---|---|---|
| U.P.S | 29-03-2003 | 9500.00 | Working |
| Gas Heater | 29-03-2003 | 7872.00 | Working |
| Printer | 31-03-2003 | 15200.00 | Working |
| Officers Table | 07-07-2003 | 9419.00 | Working |
| Photo Copier | 17-03-2004 | 64083.00 | Working |
| Altimeter | 24-03-2004 | 6744.00 | Working |
| Wipro Computer | 26-03-2004 | 43659.00 | Repairable |
| Digital Camcorder | 27-03-2004 | 45000.00 | Repairable |
| Printer | March-2005 | 7800.00 | Working |
| Chemical Balance | March-2005 | 97000.00 | Working |
| Water distillation Still | March-2005 | 94900.00 | Repairable |
| Conductivity Meter | March-2005 | 5500.00 | Repairable |
| Grinder | March-2005 | 12390.00 | Repairable |
| Kjelda Distillation and igestion Combined Unit | March-2005 | 12510.00 | Repairable |
| Computer System HCL & WIPRO Make | March-2005 | 75000.00 | Repairable |
| Refrigerator (Whirlpool) | March-2005 | 10650.00 | Working |
| Refrigerator (Haier) | March-2005 | 9200.00 | Working |
| Shaker | March-2005 | 13680.00 | Working |
| Oven | March-2005 | 19800.00 | Working |
| Flame Photometer | March-2005 | 34725.00 | Repairable |
| Bataloni Gas Heater | March-2005 | 15600.00 | Working |
| PH Meter | March-2005 | 10430.00 | Repairable |
| Hot Plate | March-2005 | 10440.00 | Repairable |
| Kjeplus Automatic Digestion | March-2005 | 50720.00 | Repairable |
| Glass Distillation System | March-2005 | 5800.00 | Repairable |
| Generator set | March-2005 | 43028.00 | Repairable |
| Stabilizer | March-2005 | 6430.00 | Working |
| Sofa Set | March-2005 | 15288.00 | Working |
| Physical Balance | March-2005 | 8700.00 | Working |
| Conductivity Bridge | March-2005 | 5500.00 | Working |
| U.P.S 1KVA | March-2005 | 8200.00 | Working |
| Typewriter | March-2005 | 10000.00 | Repairable |
| Thresher | March-2005 | 68000.00 | Working |
| Fax Machine | Oct- 2005 | 14062.00 | Repairable |
| Microscope | Nov- 2005 | 26200.00 | Repairable |
| Diesel Engine with Accessories | March-2006 | 326000.00 | Working |
| HCL Computer with UPS | May-2007 | 40992.00 | Working |
| Digital Camera | February-2007 | 17190.00 | Working |
| Printer | May-2007 | 2950.00 | Working |
| Water Motor | February-2009 | 3100.00 | Working |
| PA wireless Amplifier and Microphone | March-2009 | 8,790.00 | Working |
| Transformer (10KV) | March-2009 | 11,250.00 | Working |

| | | | |
|---|---|---|---|
| LCD (Benq) Model 624 Lumen 3000x | March -2010 | 82125.00 | Working |
| Manual Screen 84"x4.3 | March -2010 | 7763.00 | Working |
| Lasser Printer Sumsung ML -1640 | March -2010 | 5694.00 | Working |
| UPS ( Luminous Line) | March -2010 | 5684.00 | Working |
| Revolving Chair GB 411( Usha) 6 No.s | March -2010 | 27600.00 | Working |
| Usha Sewing Machine ( 4No's) | March -2010/2013 | 12000.00 | Repairable |
| HCL Laptop (01 No.) | March-2013 | 45000.00 | Repairable |
| Brother Printer 3 in 1 (01 No.) | March 2015 | 16333.00 | Working |
| HP Desktop Computer (02 No.) | February 2017 | 74059.00 | Working |
| Brother Printer (02 No.) | February 2017 | 16560.00 | Working |
| UPS (Intex) 02 No. | February 2017 | 11000.00 | Working |
| Sony Digital Cyber shot Camera (02 No.) | February 2017 | 14900.00 | Working |
| Xerox Machine Samsung (01 No) | February 2017 | 81614.00 | Working |
| Stabilizer Transformer (01 No.) | February 2017 | 6500.00 | Working |
| Trolleys (Hydraulic) (01 No.) | February 2017 | 160000.00 | Working |
| LCD Project Screen (01 No.) | March-2017 | 14500.00 | Working |
| Knap Sack Battery Operated (01 No.) | March-2017 | 5500.00 | Working |
| Foot Sprayer (02 No.) | March-2017 | 4500.00 | Working |
| Bush Cutter (01 No.) | March 2016 | 28500.00 | Working |
| Lawn More | March 2016 | 6000.00 | Working |
| Vacuum Cleaner | February 2017 | 8100.00 | Working |

1.8. A). Details SAC meeting* conducted in the year **2018-19**

| Sl. No. | Date | Name and Designation of Participants | No. of absentees | Salient Recommendations | Action taken |
|---|---|---|---|---|---|
| 1) | **11.04.2019** | **List attached** | - | The worthy Director directed that publications/pamphlets should be in Urdu so that farmers can easily understand the message | |
| 2) | | | | The chairman heard the suggestions from the stakeholders and enquired about interventions of OFT's and FLD's. While discussing the OFT on fruit drop chairman directed SMS Fruit Science to repeat the OFT, see the causes of fruit drop and also report about the role of pollinizers and pollinators in pre harvest fruit drop. The worthy Director also directed SMS Plant Protection to repeat the OFT on cut worm in chilli considering the farmers practice of flooding (irrigation) for the control of the pest. | |
| 3) | | | | While discussing the progress of KVK the worthy Director directed to cover all the tehsils and divide 137 villages of the district into 10-20 clusters for different activities and target should be according to the particular area keeping in mind two main activities of KVK i.e., establishment of integrated farming systems to increase income of farmers. | |
| 4) | | | | Worthy Director extension directed SMS home science to focus on woman empowerment in sharikhas through revival of handicrafts, cutting tailoring and suggested that value addition of fruits and vegetables should be such that the nutrients should be enriched during drying, with regard to facilitate the willow wicker making the house directed to provide the training of locally made materials and make arrangements for sale in local | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | market. | |
| 5) | | | | Worthy Director Extension directed programme coordinator that pot culture should do in floriculture for bulb and cut flower production | |
| 6) | | | | The chairman directed to lay FLD on maize in Gund Hassi Bhat area of the district using high yielding varieties and directed to replace subzar seed variety of oats with SKO-90. Seed of the high yielding varieties of different crops for FLD's may be procured from the concern divisions well in time and directed to involve line departments in all activities particularly in FLD's and OFT's | |
| 7) | | | | The house suggested that there should be at least three farmers producing organization (FPO's) in the district | |
| 8) | | | | While taking suggestions from the progressive farmers, the house felt to aware the farmers regarding newly developed technologies like hydroponic cultivation of vegetables. The chairman directed to concentrate on peri-urban horticulture activities and have vertical expansion particularly in kitchen gardens and provide awareness on organic vegetables/ floriculture | |
| 9) | | | | While discussing the IFS, the house desired to purchase a hatchery for 1500 bird capacity and lay FLD on the same | |

**List of participants who attended 15th SAC Meeting of KVK Srinagar held on 11-04-2019**

| S. No | Name of the participants | Designation |
|---|---|---|
| 1. | Dr. Mushtaq Ahmad Teli | Director Extension, SKUAST-K |
| 2. | Dr. Sheikh Muzaffar Ahmad | Associate Director Extension (Agri) |
| 3. | Dr. Amal Sexana | In charge KVK Coordination Cell, Extension Specialist SKUAST-Kashmir |
| 4. | Dr. Rekhi Singh | Programme Coordinator |
| 5. | Mr. Parvaiz Ahmad | SVC/PRO |
| 6. | Dr. Uzma Bashir | SMS Soil Science |
| 7. | Dr. Ishtiyaq Ahad | SMS Entomology |
| 8. | Dr. Asima Amin | SMS Vegetable Science |
| 9. | Dr. Parvaiz Ahmad Sofi | SMS Animal Science |
| 10. | Dr. Nasreen Jahan | SMS Home Science |
| 11. | Mr. Mohd Ashraf Mir | Programme Assistant |
| 12. | Mr. Jalal u din Peer | Programme Assistant |
| 13. | Mr. Gh. Mohd Mir | Stenographer |
| 14. | Mr. Yasir Arfat Bhat | Programme Assistant |
| 15. | Ms. Irfana Bashir | Employee |
| 16. | Mr. Javid Ahamad Chopan | Employee |
| 17. | Mr. Mushtaq Ahamad | Employee |
| 18. | Mr. Ali Mohd Bhat | Employee |
| 19. | Mr. Showket Ahmad Ganie | Progressive Farmer |
| 20. | Mr. Mohammad Sultan Bhat | Progressive Farmer |
| 21. | Mr. Hilal Ahmad Rather | Driver |
| 22. | Mr. Gh. Nabi | Driver |

## 2. DETAILS OF DISTRICT (2019-20)

Srinagar district, situated in the centre of Kashmir Valley, is surrounded by five districts. In the north it is flanked by Kargil and Ganderbal, in the South by Pulwama and in the north-west by Budgam. The average altitude is about 1600m amsl .The district with a population of around 1325443 lacs, is spread over an area of 1979 Sq. Kms. It comprises of 07 Tehsils/ towns viz; Srinagar North and Srinagar South, Central, Khanyar, Idgah, Chanapora, Natipora and Panthachowk, four blocks (Srinagar), besides 137 Revenue villages.

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

| S. No | Farming system/enterprise | |
|---|---|---|
| 1 | Irrigated (borewell) | Horticulture, Vegetable |
| 2 | Irrigated (canal) | Paddy, Oilseed, Pulses |
| 3 | Tank Irrigated | Vegetable and Horticulture |
| 4 | Rainfed | Pulses and Maize |
| 5 | Enterprises | Broiler and Dairy |

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

| S. No | Agro-climatic Zone | Characteristics |
|---|---|---|
| 1. | Mid to high altitude temperate zone (JK-3) | District Srinagar has area of 1979 sq.kms and is the smallest district of the state. District Srinagar falls under temperate zone as per the agro-climatic conditions. The precipitation is mainly in the form of snow in winter and rains/ hail in summer. Temperature varies from 5 $^0$C in winter to max of 34$^0$C in summers and the average rainfall of the district is 585mm. Plain area constitute maximum of the total geographical area of the District. Rice and Maize are main crops of the district besides area under horticulture crops namely Apple, Pear, Cherry and Peach involve the major portion of total cultivated land. Among agronomic crops Maize is mostly grown as rain fed crop in Karewas. |

2.3 Soil type/s

| S. No | Soil type | Characteristics | Area in ha |
|---|---|---|---|
| 1. | Clay to clay loam<br>Sandy loam | As per soil classification major soils in the district belong to Entisols followed by Inceptisols, Alfisols and Mollisols. They show varying degree of profile development from A-C to A-B-C profiles on steep slopes to piedmont plains, Karewas and broad valleys. The soil reaction ranges from acidic to slightly alkaline (ph 5.0 to 8.5) organic matter content is generally high. | 5.328<br>1.332 |

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

| S. No | Crop | Area (ha) | Production (MT) |
|---|---|---|---|
| 1. | Fresh Fruit | 2613 | 23327 |
| 2. | Dry Fruit | 477 | 3091 |
| 3. | Rice | 3400 | 0.587 |
| 4. | Maize | 450 | 0.059 |
| 5. | Oilseed | 434 | 0.588 |
| 6. | Fodders | 284 | 1.776 |
| 7. | Pulses | 73 | - |
| 8. | Vegetable | 2500 | 65169 |

2.5. Weather data (Data awaited from Weather Meteorological Department J&K)

| Month | Rainfall (mm) | Temperature $^0$ C | | Relative Humidity (%) |
|---|---|---|---|---|
| | | Maximum | Minimum | |
| April 2019 | | | | |
| May 2019 | | | | |
| June 2019 | | | | |
| July 2019 | | | | |
| August 2019 | | | | |
| September 2019 | | | | |
| October 2019 | | | | |
| November 2019 | | | | |
| December 2019 | | | | |

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

| Category | Population | Production | Productivity |
|---|---|---|---|
| **Cattle** | | | |
| *Crossbred* | 43166 | | |
| *Indigenous* | | | |
| **Buffalo** | 75 | | |
| **Sheep** | 57994 | | |
| Crossbred | | | |
| *Indigenous* | | | |
| **Goats** | 6485 | | |
| **Horse** | 740 | | |
| *Crossbred* | - | | |
| *Indigenous* | - | | |
| **Rabbits** | 04 | | |
| **Poultry** | | | |
| Hens Farms | 80273 | | |
| *Desi* | 106885 | | |
| *Improved* | | | |
| Ducks | 15858 | | |
| Turkey and others | | | |

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

2.7 Details of Operational area / Villages

| Sl. No. | Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
|---|---|---|---|---|---|---|
| 1 | Srinagar | Srinagar (Zone Qamarwari) | Lawaypora<br>Mirgung Zainakote<br>Khusipora<br>Dandergah<br>Noorbagh<br>Palpora<br>Kreshbal<br>Soura Anachar<br>Narkura<br>Batmallo<br>Bemina<br>Gangbug<br>Barzulla<br>Rambagh<br>Solina<br>Lalmandi<br>Hyderpora<br>Nowgam<br>Rawalpora<br>Channpora<br>Bagi Mahtab<br>Gogo<br>Rangreth<br>Humhama | Paddy, Mustard, Pulse,<br>Vegetable<br>Potato<br>Sericulture<br>Cattle,<br>Kitchen gardening<br>Protected cultivation<br>High density apple plantation<br>Nutrition gardens<br>Backyard poultry | Paddy Blast,<br>Water logging<br>Non avaibility of quality seed<br>Insect pests ,<br>Disease management, low productivity, Less awareness about training and pruning | Awareness about Paddy Blast, formation of growers association/ cooperative societies. Vegetable seed production.<br>Seed replacement. Popularization of<br>Exotic vegetable.<br>Area expansion under high value vegetable crops.<br>Value addition of fruits and vegetables.<br>Imparting training on disease management, Awareness cum training on pruning and training.<br>Dairy management,<br>Cultivation of high value vegetables under protected conditions.<br>Organic farming. |

| | | | | | | |
|---|---|---|---|---|---|---|
| 2. | Srinagar | Srinagar (Zone Brain ) | Rajbagh<br>Khonmoh A & B,Zevan<br>Miskeenbagh<br>Nayedyar<br>Abnivpora<br>Brain<br>Dalgate<br>Nishat<br>Gupkar<br>Khanyar S<br>Zakura,<br>Gulab Bagh<br>Ahmad Nagar<br>Buchpora<br>Mallbagh<br>Saderbal<br>Lalbazar<br>Nigeen East<br>Nigeen West<br>Dargah | Poultry<br>Cattle<br>Apple, Pear, Paddy Maize.<br>Vegetables<br>Saffron<br>Almond<br>Cherry<br>Fisheries<br>Naduru.<br>Craft.<br>Apple<br>Pomegranate<br>Pear<br>Quince<br>Fisheries<br>Mushroom<br>Sheep<br>Medicinal plants<br>Nadru<br>Poultry | Collar rot,<br>root rot,<br>Papery bark,<br>Blast brown spot,<br>Non avaibility of quality seed<br>Insect pests,<br>Anar butterfly | Imparting Trainings on disease and nutrient management, Laying FLD's.<br>Training and pruning of fruit trees.<br>Vocational trainings on local craft<br>Integrated insect/pest management<br>Cultivation of exotic vegetables.<br>Commercial cultivation of floriculture crops.<br>Pollination management of horticulture crops. |
| 3 | Srinagar | Srinagar<br>(Zone Harwan) | Dhara Fakirgujri<br>Shalimar<br>Batapora<br>Mulfaq<br>Chatterhama<br>Burzahama<br>Gassu<br>Telbal<br>Khimber<br>Tikke Sangrassi | Sheep<br>Cattle<br>Floriculture<br>Paddy Strawberry<br>Maize Pulses<br>Apiculture<br>Medicinal plants<br>Pear, Vegetable, Apple Cherry, | Poor pruning and trainings,<br>Low productivity,<br>Root rot.<br>Collar rot<br>Pollination problem<br>Rice blast<br>Papery bark<br>Traditional varieties | Awareness cum training on pruning and training, vocational training on disease management.<br>Integrated nutrient and water management.<br>Integrated disease and insect/pest management in horticulture crops.<br>Commercial cultivation of floriculture crops |

2.8 Priority/thrust areas

| Crop/Enterprise | Thrust area |
|---|---|
| Paddy and Vegetables | ➢ Seed replacement and Integrated Crop Management |
| Vegetable Crops | ➢ Introduction and popularizing of HYVs and INM |
| Temperate Fruit Crops<br><br>Apple<br>Strawberry | ➢ Pollination improvement and scientific Training and pruning in Apple.<br>➢ High density apple plantation.<br>➢ Crop Diversification with emphasis on crops like strawberry.<br>➢ IDM, INM and promotion of use of organics, micro nutrients, and on-farm nutrient cycling |
| Vegetables<br>Vegetables<br><br>Lettuce, Broccoli<br>Vegetables and Fruit crops | ➢ Development of Peri-urban agriculture<br>➢ Off-season vegetable cultivation and cultivation under protected conditions.<br>➢ Exotic vegetable cultivation.<br>➢ Nutrition Kitchen gardening. |
| Poultry and Dairy | ➢ Promotion and Scientific management of livestock and poultry farming. |

| | |
|---|---|
| Home Science<br><br>Capacity Building<br>Capacity Building<br>Home Science | ➢ Child and women care and awareness on balanced nutrition in backward areas of the district.<br>➢ Capacity building of rural women and Fisherwomen.<br>➢ Self help group formation of skilled women.<br>➢ Vocational training. |
| Capacity Building | ➢ Emphasis on Agro-based Income generating activities for mitigation of rural unemployment. |
| Soil and Water Conservation<br>Soil and Water Conservation | ➢ Awareness on Natural Resource conservation, environmental protection and efficient resource management.<br>➢ Special emphasis on Dal and Anchar Lakes and Hill areas. |

## 3. TECHNICAL ACHIEVEMENTS

### 3. A. Details of target and achievements of mandatory activities by KVK during 2019-2020

| OFT (Technology Assessment and Refinement) | | | | FLD (Oilseeds, Pulses, Cotton, Other Crops/Enterprises) | | | |
|---|---|---|---|---|---|---|---|
| 1 | | | | 2 | | | |
| Number of OFTs | | Number of Farmers | | Number of FLDs | | Number of Farmers | |
| Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| 08 | 08 | 24 | 24 | 35.00 ha | 37.83 ha | 200 | 226 |
| | | | | Animals | 200 No. | - | 27 |

### 3. A.1 FLDs Conducted under CFLDs on Oilseed: Nil

| FLD (Oilseeds) | | | |
|---|---|---|---|
| Number of FLDs | | Number of Farmers | |
| Targets | Achievement | Targets | Achievement |
| - | - | - | - |
| | | | |
| | | | |

### 3. A.2 FLDs Conducted under CFLDs on Pulses: Nil

| FLD (Pulses) | | | |
|---|---|---|---|
| Number of FLDs | | Number of Farmers | |
| Targets | Achievement | Targets | Achievement |
| - | - | - | - |
| | | | |
| | | | |
| | | | |

| Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit) | | | | | Extension Activities | | | |
|---|---|---|---|---|---|---|---|---|
| 3 | | | | | 4 | | | |
| Number of Courses | | | Number of Participants | | Number of activities | | Number of participants | |
| Clientele | Targets | Achievement | Targets | Achievement | Targets | Achievement | Targets | Achievement |
| Farmers | 45 | 50 | 1300 | 1404 | 500 | 518 | 6000 | 6445 |
| Rural youth | 15 | 17 | 400 | 451 | | | | |
| Extn. Functionaries | 05 | 06 | 180 | 194 | | | | |

| Seed Production (Qtl.) | | Planting material (Nos.) | |
|---|---|---|---|
| 5 | | 6 | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| To provide quality seedlings and planting material of vegetables & fruit plants. | (Vegetable/Seeds)<br>Capsicum: : 1.2 kg<br>Brinjal: 02 kg<br>Okra: 02 kg<br>Rajmash: 34 kg | - | Tomato: 9200+4000<br>Brinjal: 2150<br>Chilli: 500<br>Capsicum: 500<br>Bottelguard: 709<br>Cucumber: 891<br>Purple Vienna: 400<br>Knol Khol: 890+3000<br>Cucurbits: 550 |
| - | **(Others)** | - | Pear: 200 No. Plum: 500 No.<br>Cherry: 800 No. Grapes: 40 No.<br>Walnut: 500 No. Pomegranate: 100 No.<br>Kiwi: 30 No. |
| - | Sun Flower: 13 kg | - | |
| - | Vermicompost: 1000 kg | - | |

| Livestock, poultry strains and fingerlings (No.) | | Bio-products (Kg) | |
|---|---|---|---|
| 7 | | 8 | |
| ***Target*** | ***Achievement*** | ***Target*** | ***Achievement*** |
| Broiler Chicken | 275 No. | - | Nil |
| | | | |

**3. B. 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*** |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |

## 3.1 Achievements on technologies assessed and refined

A.1 Abstract of the number of technologies **assessed*** in respect of crops/enterprises

| Thematic areas | Cereals | Oilseeds | Pulses | Commercial Crops | Vegetables | Fruits | Flower | Plantation crops | Tuber Crops | TOTAL |
|---|---|---|---|---|---|---|---|---|---|---|
| Varietal Evaluation | **01** | - | - | **01** | - | - | - | - | - | **02** |
| Seed / Plant production | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | |
| Integrated Farming System | - | - | - | - | **01** | - | - | - | - | **01** |
| Mushroom cultivation | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Drudgery reduction | | | | | | | | | | |
| Farm machineries | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | - | - | - | - | **02** | - | - | - | - | **02** |
| Resource conservation technology | **01** | **01** | - | - | - | - | - | - | - | **02** |
| Small Scale income generating enterprises | | | | | | | | | | |
| **TOTAL** | **02** | **01** | - | **01** | **03** | - | - | - | - | **07** |

* *Any new technology, which may offer solution to a location specific problem but not tested earlier in a given micro situation.*

A.2. Abstract of the number of technologies **refined*** in respect of crops/enterprises:

| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
|---|---|---|---|---|---|---|---|---|---|---|
| Varietal Evaluation | **01** | - | - | - | - | - | - | - | - | **01** |
| Seed / Plant production | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Integrated Nutrient Management | | | - | - | - | **02** | - | - | - | **02** |
| Integrated Farming System | | | | | | | | | | |
| Mushroom cultivation | | | | | | | | | | |
| Drudgery reduction | | | | | | | | | | |
| Farm machineries | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Integrated Pest Management | - | - | - | - | **01** | - | - | - | - | **01** |
| Integrated Disease Management | - | - | - | - | **01** | - | - | - | - | **01** |
| Resource conservation technology | | | | | | | | | | |
| Small Scale income generating enterprises | **01** | **01** | - | - | - | - | - | - | - | **02** |
| **TOTAL** | **02** | **01** | - | - | **02** | **02** | - | - | - | **07** |

***** *Technology that is refined in collaboration with ICAR/SAU Scientists for improving its effectiveness.*

A.3. Abstract of the number of technologies **assessed** in respect of livestock / enterprises: Nil

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

A.4. Abstract on the number of technologies **refined** in respect of livestock / enterprises: Nil

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

## 3.2. Achievements on technologies Assessed and Refined

### 3.2.1. Technologies Assessed under various Crops

| *Thematic areas* | *Crop* | *Name of the technology assessed* | *No. of trials* | *Number of farmers* | *Area in ha (Per trial covering all the Technological Options)* |
|---|---|---|---|---|---|
| Integrated Nutrient Management | **Apple** | **Nutrient Fungicide Compatibility** | **02** | **02** | **0.0125** |
| | | | | | |
| Varietal Evaluation | | | | | |
| Integrated Pest Management | | | | | |
| | | | | | |
| Integrated Crop Management | **Capsicum** | **Performance of Capsicum Hybrid on Raised Bed** | **02** | **02** | **0.05** |
| | | | | | |
| Integrated Disease Management | | | | | |
| | | | | | |
| Small Scale Income Generation Enterprises | | | | | |
| | | | | | |
| Weed Management | | | | | |
| | | | | | |
| Resource Conservation Technology | | | | | |
| | | | | | |
| Farm Machineries | | | | | |
| | | | | | |

| *Thematic areas* | *Crop* | *Name of the technology assessed* | *No. of trials* | *Number of farmers* | *Area in ha (Per trial covering all the Technological Options)* |
|---|---|---|---|---|---|
| Integrated Farming System | | | | | |
| | | | | | |
| Seed / Plant production | | | | | |
| | | | | | |
| Value addition | | | | | |
| | | | | | |
| Drudgery Reduction | | | | | |
| | | | | | |
| Storage Technique | | | | | |
| | | | | | |
| Mushroom cultivation | | | | | |
| | | | | | |
| **Total** | | | **04** | **04** | **0.0625** |

### 3.2.2. Technologies **Refined** under various **Crops:**

| *Thematic areas* | *Crop* | *Name of the technology assessed* | *No. of trials* | *Number of farmers* | *Area in ha (Per trail covering all the Technological Options)* |
|---|---|---|---|---|---|
| Integrated Nutrient Management | | | | | |
| | | | | | |
| Varietal Evaluation | | | | | |
| | | | | | |
| Integrated Pest Management | **Vegetables** | **Management of Cutworm** | **02** | **02** | **0.10** |
| | | | | | |
| Integrated Crop Management | **Fruits** | **Soil and Foliar Application of Potassium for Color Development** | **02** | **02** | **0.10** |
| | **Apple** | **Effect of Foliar Application of Boron on Fruit Set & Productivity of Apple** | **02** | **02** | **0.10** |
| Integrated Disease Management | **Chilli** | **Chilly Wilt** | **02** | **02** | **0.10** |
| | | | | | |
| Small Scale Income Generation Enterprises | **Oil Seed** | **Solid Waste Management using Waste Decomposers** | **04** | **04** | **0.125** |
| | **Cereals** | **Efficiency of Eisenia fetida Earthworm Species for Vermicomposting** | **03** | **03** | **0.125** |
| Weed Management | | | | | |
| | | | | | |
| Resource Conservation Technology | | | | | |
| | | | | | |
| Farm Machineries | | | | | |
| | | | | | |
| Integrated Farming System | | | | | |
| | | | | | |
| Seed / Plant production | | | | | |
| | | | | | |
| Value addition | | | | | |
| | | | | | |

| *Thematic areas* | *Crop* | *Name of the technology assessed* | *No. of trials* | *Number of farmers* | *Area in ha (Per trail covering all the Technological Options)* |
|---|---|---|---|---|---|
| Drudgery Reduction | | | | | |
| | | | | | |
| Storage Technique | | | | | |
| | | | | | |
| Mushroom cultivation | | | | | |
| | | | | | |
| **Total** | | | **15** | **15** | **0.650** |

**3.2.3. Technologies assessed under Livestock and other enterprises: Nil**

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

**3.2.4. Technologies Refined under Livestock and other enterprises: Nil**

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

**B. Details of each On Farm Trial to be furnished in the following format**

**A. Technology Assessment**

# OFT-1

| | | |
|---|---|---|
| 1 | Title | **Effect of Foliar Application of Boron on Fruit Set & Productivity of Apple** |
| 2 | Problem Diagnose/defined | Poor Fruit Set |
| 3 | Details of technologies selected for assessment/refinement | Foliar Application of Boron at fruit development stages |
| 4 | Source of technology | SKUAST -K |
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | Crop Production |
| 7 | Performance of the Technology with performance indicators | Satisfactory |
| 8 | Final recommendation for micro level situation | Needs repeated trials |
| 9 | Constraints identified and feedback for research | Adoptability |
| 10 | Process of farmer's participation and their reaction | Satisfactory |

**Results of On Farm Trial-1 (On going)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Apple | Rainfed/ irrigated | Poor fruit set | Effect of Foliar Application of Boron on Fruit Set & Productivity of Apple | 03 | Foliar application of Boron at 03 stages. | Fruit yield | On going | On going | Satisfied |

**Table-1 (On going)**

| Crop | Parameters | T1 | T2 | T3 |
|---|---|---|---|---|
| Apple | | | | |
| | | | | |
| | | | | |
| | | | | |

# OFT-2

| | | |
|---|---|---|
| 1 | Title | **Soil and Foliar Application of Potassium for Color Development.** |
| 2 | Problem Diagnose/defined | Poor fruit color |
| 3 | Details of technologies selected for assessment/refinement | Foliar Application of Potassium at fruit development stages |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | Crop production |
| 7 | Performance of the Technology with performance indicators | Satisfactory |
| 8 | Final recommendation for micro level situation | Needs repeated trials |
| 9 | Constraints identified and feedback for research | Adoptability |
| 10 | Process of farmer's participation and their reaction | Satisfactory |

**Results of On Farm Trial –2 (On going)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Apple | Rainfed/ irrigated | Poor fruit color | Soil and Foliar Application of Potassium for Color Development | 03 | Foliar Application of Potassium at 02 stages | Quality improvement & yield | On going | On going | Satisfied |

**Table-2 (On going)**

| Crop | Parameters | T1 | T2 | T3 |
|---|---|---|---|---|
| Apple | | | | |
| | | | | |
| | | | | |
| | | | | |

| | | |
|---|---|---|
| 1 | Title | **Performance of Capsicum Hybrid on Raised Bed** |
| 2 | Problem Diagnose/defined | |
| 3 | Details of technologies selected for assessment/refinement | |
| 4 | Source of technology | SKUAST-K |

| | | |
|---|---|---|
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | Crop production |
| 7 | Performance of the Technology with performance indicators | |
| 8 | Final recommendation for micro level situation | |
| 9 | Constraints identified and feedback for research | |
| 10 | Process of farmer's participation and their reaction | Learning by doing & seeing is believing |

**OFT -3**

**Results of On Farm Trial – 3 (On going)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

**Table-3**

| **Treatments** | | | |
|---|---|---|---|
| T1: | | | |
| T2: | | | |
| T3: | | | |

| | | |
|---|---|---|
| 1 | Title | **Nutrient fungicide compatibility in apple** |
| | Problem Diagnose/defined | water core, bitter pit |
| 3 | Details of technologies selected for assessment/refinement | Calcium with fungicide |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | Fruit Quality |
| 7 | Performance of the Technology with performance indicators | Satisfactory |
| 8 | Final recommendation for micro level situation | Needs repeated trial |
| 9 | Constraints identified and feedback for | Adoptability |

| | | |
|---|---|---|
| | research | |
| 10 | Process of farmer's participation and their reaction | Satisfactory |

**OFT-4**

**Results of On Farm Trial – 4**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Apple | Irrigated & un-irrigated | water core, bitter pit | Nutrient fungicide computability in apple | 03 Faqirgujri Darbagh Tailbel | Use of nutrient with fungicide | Compatibility and physical disorders | Table-5 | Continued | Satisfied |

**Table-4**

| Yield: kg/tree | | | | Disease incidence % | | | Effect of Ca on fruit firmness (lb.psi) | | |
|---|---|---|---|---|---|---|---|---|---|
| **Variety** | **Faqigujri** | **Darbagh** | **Taibal** | **Faqigujri** | **Darbagh** | **Taibal** | **Faqirgujri** | **Darbagh** | **Taibal** |
| T1: | 149.24 | 146.52 | 155.78 | 17.2 | 21.9 | 18.3 | 16.16 | 15.36 | 16.06 |
| T2: | 155.36 | 159.43 | 163.57 | 1.3 | 2.7 | 2.1 | 16.76 | 16.46 | 17.01 |
| T3: | 158.87 | 162.81 | 165.43 | 0.7 | 1.6 | 1.1 | 17.09 | 16.67 | 17.19 |

| | | |
|---|---|---|
| 1 | Title | **Management of cut worm in vegetables** |
| | Problem Diagnose/defined | Cut worm damage |
| 3 | Details of technologies selected for assessment/refinement | Drenching of Alphamethrin, carbofuron granules application. |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | IPM of cutworm |
| 7 | Performance of the Technology with performance indicators | Performance of the technology satisfactory in controlling cutworm damage |
| 8 | Final recommendation for micro level situation | In case of severe infestation / quick knockdown application of alphametrin may be |

| | | |
|---|---|---|
| | | carried out |
| 9 | Constraints identified and feedback for research | - |
| 10 | Process of farmer's participation and their reaction | Farmers were cooperating and got satisfied |

**OFT-5**

**Results of On Farm Trial – 5**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Chilli & Kale | Irrigated | Cut worm | Management of cut worm in vegetables | 02 Noorbagh Narkura | Application of Alphametrin | Plant mortality | See table- | Satisfac-tory | Satisfied |

| Treatments | | Plant Mortality (%) |
|---|---|---|
| T1 | Farmers practice | 29 |
| T2 | Recommended practice | 13 |
| T3 | Alphamethrin drenching @ 1.2 ml / liter of water | 03 |

| | | |
|---|---|---|
| 1 | Title | **Management of Chilli Wilt** |
| | Problem Diagnose/defined | Fusarium wilt |
| 3 | Details of technologies selected for assessment/refinement | Carbendazium drenching and application of *Trigoderma harzianun* |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Crop production |
| 6 | Thematic area | IDM in Chilli |
| 7 | Performance of the Technology with performance indicators | Application of *trigoderma* in compost & mixed with soil followed by carbendazium showed best results in management of chilli wilt |
| 8 | Final recommendation for micro level situation | *Trigoderma* application should be done in compost |
| 9 | Constraints identified and feedback | - |

| | | |
|---|---|---|
| | for research | |
| 10 | Process of farmer's participation and their reaction | Farmers were cooperating and got satisfied |

**OFT-6**

**Results of On Farm Trial –6**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| Chilli | Irrigated | Wilting of seedlings | Management of chilli wilt | 02 Noorbagh Narkura | Application of *Trigoderma* followed by drenching of carbendazium | Plant mortality | See table- | Satisfac tory | Satisfied |

| Treatments | | Plant mortality (%) |
|---|---|---|
| T1 | Farmers practice | 35 |
| T2 | Drenching of carbendazium | 11 |
| T3 | Application of *Trigoderma* followed by drenching of carbendazium | 06 |

**OFT-07**

| | | |
|---|---|---|
| 1 | Title | **Solid Waste Management using Waste Decomposers** |
| | Problem Diagnose/defined | Soil, water/air pollution |
| 3 | Details of technologies selected for assessment/refinement | Use of waste decomposing bacteria (Shalimar microbes) for decomposing solid waste |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Production of input at site |
| 6 | Thematic area | Composting |
| 7 | Performance of the Technology with performance indicators | |
| 8 | Final recommendation for micro | |

| | | |
|---|---|---|
| | level situation | |
| 9 | Constraints identified and feedback for research | |
| 10 | Process of farmer's participation and their reaction | |

**Results of On Farm Trial –07 (On going)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

**OFT-08**

| | | |
|---|---|---|
| 1 | Title | **Efficiency of *Eisenia fetida* Earthworm Species for Vermicomposting** |
| | Problem Diagnose/defined | Improper method of preparation of compost. |
| 3 | Details of technologies selected for assessment/refinement | Use of *Eisenia fetida* cold tolerant vermiculture for vermi-composting |
| 4 | Source of technology | SKUAST-K |
| 5 | Production system thematic area | Production of input at site |
| 6 | Thematic area | Composting |
| 7 | Performance of the Technology with performance indicators | |
| 8 | Final recommendation for micro level situation | |
| 9 | Constraints identified and feedback for research | |
| 10 | Process of farmer's participation and their reaction | |

**Results of On Farm Trial –08 (On going)**

| Crop/ enterprise | Farming situation | Problem Diagnosed | Title of OFT | No. of trials | Technology Assessed | Parameters of Assessment | Data on the Parameter | Results of assess ment | Feedback from the farmer |
|---|---|---|---|---|---|---|---|---|---|
| 1 | 2 | 3 | 4 | 5 | 6 | 7 | 8 | 9 | 10 |
| | | | | | | | | | |

# PART 4 - FRONTLINE DEMONSTRATIONS

## 4.A. Summary of FLDs implemented during 2018-19

| Sl. No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) | | No. of farmers/ demonstration | | | | Reasons for shortfall in achievement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Proposed | Actual | SC/ST | OBC | Others | Total | |
| | Oilseeds | **Rabi** | **2018-19** | **Brown Sarson** | **KS-101** | - | **Varietal Adoptability** | **SKUAST-K IDM,INM & Plant Geometry** | **-** | **2.0** | **08** | **-** | **24** | **32** | |
| | Pulses | **Kharief** | **2019** | **Beans** | **French Yellow** | - | **Varietal Adoptability** | **SKUAST-K IDM,INM & Plant Geometry** | | **1.50** | **-** | **-** | **07** | **07** | |
| | Cereals | **Kharief** | **2019** | **Paddy** | **SR-2 SR-4** | - | **Varietal Adoptability** | **SKUAST-K IDM,INM & Plant Geometry** | **-** | **20.83** | **-** | **-** | **60** | **60** | |
| | | **Kharief** | **2019** | **Maize** | **(C-7)** | - | **Varietal Adoptability** | **SKUAST-K IDM,INM & Plant Geometry** | **-** | **4.00** | **20** | **-** | **15** | **35** | |
| | Millets | | | | | | | | | | | | | | |
| | Vegetables | **Rabi** | **2018-19** | **Peas** | **PB-89** | - | **Varietal Adoptability** | **SKUAST-K IDM,INM & Plant Geometry** | - | **1.50** | **04** | **-** | **16** | **20** | |
| | Flowers | | | | | | | | | | | | | | |
| | Fruit | | | | | | | | | | | | | | |
| | Spices and condiments | | | | | | | | | | | | | | |
| | Commercial | | | | | | | | | | | | | | |
| | Medicinal and aromatic | | | | | | | | | | | | | | |

| Sl. No. | Category | Farming Situation | Season and Year | Crop | Variety/ breed | Hybrid | Thematic area | Technology Demonstrated | Area (ha) | | No. of farmers/ demonstration | | | | Reasons for shortfall in achievement |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | Proposed | Actual | SC/ST | OBC | Others | Total | |
| | | | | | | | | | | | | | | | |
| | Fodder | **Rabi** | **2018-19** | **Sabzar** | **Shalimar Oats-1** | **-** | **Demonstration** | **INM and IDM** | **-** | **8.0** | **17** | **-** | **55** | **72** | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Dairy | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Poultry | **Rabi** | **2018-19** | **Poultry Birds** | **Vanraja American white Pekin** | **-** | **Demonstration/ Sale** | **-** | **-** | **200/10 No.** | **13** | **-** | **14** | **27** | **-** |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Piggery | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Sheep and goat | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Button mushroom | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Vermicompost | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | IFS | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Apiculture | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Implements | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | Others (specify) | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | |

**4. A. 1. Soil fertility status of FLDs plots during 2018-19**

| *Sl. No.* | *Category* | *Farming Situation* | *Season and Year* | *Crop* | *Variety/ breed* | *Hybrid* | *Thematic area* | *Technology Demonstrated* | *Status of soil (Kg/Acre)* | | | *Previous crop grown* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | *N* | *P* | *K* | |
| | Oilseeds | **Irrigated** | **Rabi.2018-19** | **Brown Sarson** | **KS-101** | **-** | **Varietal Adoptability** | **INM and Line Sowing** | **150** | **11.0** | **150** | **Paddy** |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Pulses | **Irrigated** | **Kharief 2019** | **Beans** | **French Yellow** | | **Varietal Adoptability** | **INM and Line Sowing** | **153** | **11.5** | **156** | **Fodder** |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Cereals | **Irrigated** | **Kharief 2019** | **Paddy** | **SR-2 SR-4** | **-** | **Varietal Adoptability** | **INM and Line Sowing** | **158** | **12.1** | **164** | **Mustard** |
| | | **Rainfed** | **Kharief 2019** | **Maize** | **C-7** | **-** | **Varietal Adoptability** | **INM and Line Sowing** | **155** | **12.0** | **160** | **Pulses** |
| | | | | | | | | | | | | |
| | Millets | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Vegetables | **Irrigated** | **Kharief 2019** | **Peas** | **PB-89** | **-** | **Varietal Adoptability** | **INM and Line Sowing** | **152** | **12.0** | **156** | **Chilli** |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Flowers | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Fruit | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Spices and condiments | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Commercial | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Medicinal and aromatic | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Fodder | **Rabi** | **Rabi 2018-19** | **Shalimar Oats-1** | **Sabzar** | **-** | **Varietal Adoptability** | **INM and Line Sowing** | **152** | **12.8** | **169** | **Maize/Paddy** |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Plantation | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Dairy | | | | | | | | | | | |
| | | | | | | | | | | | | |

| *Sl. No.* | *Category* | *Farming Situation* | *Season and Year* | *Crop* | *Variety/ breed* | *Hybrid* | *Thematic area* | *Technology Demonstrated* | *Status of soil (Kg/Acre)* | | | *Previous crop grown* |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | *N* | *P* | *K* | |
| | | | | | | | | | | | | |
| | Poultry | **Rabi** | **Rabi 2018-19** | **Poultry Birds** | **Vanraja American white Pekin** | - | **Varietal Adoptability** | **Demonstration of feeding schedule ,vaccination and management** | - | - | - | - |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Piggery | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Sheep and goat | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Button mushroom | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Vermicompost | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | IFS | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Apiculture | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Implements | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | Others (specify) | | | | | | | | | | | |
| | | | | | | | | | | | | |
| | | | | | | | | | | | | |

**B. Results of Frontline Demonstrations**

**4. B.1. Crops**

| *Crop* | *Name of the technology demonstrated* | *Variety* | *Hybrid* | *Farming situation* | *No. of Demo.* | *Area (ha)* | *Yield (q/ha)* | | | | *% Increase* | **Economics of demonstration (Rs./ha)* | | | | **Economics of check (Rs./ha)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | *Demo* | | | *Check* | | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* |
| | | | | | | | H | L | A | | | | | | | | | | |
| Oilseeds (Brown Sarson) | **INM & IDM** | **KS-101** | - | **Irrigated** | 32 | 02 | 16.45 | 11.05 | 13.75 | 9.85 | 28.36 | 22000 | 45375 | 23375 | 1:2.06 | 19500 | 32550 | 13000 | 1:1.67 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Pulses | **INM & IDM** | **French Yellow** | - | **Irrigated /Rainfed** | 07 | 1.50 | 9.30 | 9.00 | 9.15 | 7.90 | 17.00 | 45500 | 77775 | 32275 | 1:1.70 | 43000 | 67150 | 24150 | 1:1.56 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Cereals (Paddy) | **IDM and INM and Line Sowing** | **SR-2** | - | **Irrigated** | 60 | 20.83 | 71.00 | 60.00 | 65.50 | 50.00 | 23.66 | 92500 | 159000 | 66500 | 1:1.72 | 92500 | 129500 | 37000 | 1:1.40 |
| | **-do-** | **SR-4** | - | **Irrigated** | | | 81.00 | 72.00 | 76.50 | 59.00 | 22.87 | 92500 | 176000 | 83500 | 1:1.90 | 92500 | 129500 | 37000 | 1:1.40 |
| Maize | **IDM and INM and Line Sowing** | **C-7** | - | **Rainfed** | 35 | 4.00 | 67.00 | 55.00 | 61.00 | 45.50 | 25.54 | 55000 | 112500 | 57500 | 1:2.04 | 55000 | 85000 | 30000 | 1:1.54 |
| | | | | | | | | | | | | | | | | | | | |
| Millets | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Vegetables<br><br>Peas | **IDM and INM and Line Sowing** | **PB-89** | - | **Irrigated/ rainfed** | 20 | 1.50 | 168 | 119 | 152 | 96.50 | 36.51 | 95000 | 304000 | 209000 | 1:3.2 | 95000 | 193000 | 98000 | 1:2.03 |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Flowers | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Fruit | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Spices and condiments | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Commercial | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |

| *Crop* | *Name of the technology demonstrated* | *Variety* | *Hybrid* | *Farming situation* | *No. of Demo.* | *Area (ha)* | *Yield (q/ha)* | | | | *% Increase* | **Economics of demonstration (Rs./ha)* | | | | **Economics of check (Rs./ha)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | *Demo* | | | *Check* | | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* |
| | | | | | | | H | L | A | | | | | | | | | | |
| Medicinal and aromatic | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | | | |
| Fodder | **IDM and INM** | **Shalimar Oats-1** | - | **Rainfed** | 72 | 8.0 | 19.20 | 15.20 | 17.20 | 10.80 | 38.37 | 60500 | 116500 | 56000 | 1:1.92 | 56000 | 83000 | 27000 | 1:1.48 |
| | | | | | | | | | | | | | | | | | | | |

* Economics to be worked out based total cost of production per unit area and not on critical inputs alone.
** BCR= GROSS RETURN/GROSS COST; H – Highest Yield, L – Lowest Yield A – Average Yield

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

| *Data on other parameters in relation to technology demonstrated* | | | | | |
|---|---|---|---|---|---|
| ***Crop*** | ***Technology to be demonstrated*** | ***Variety/ Hybrid*** | ***Parameter with unit*** | ***Demo*** | ***Check*** |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

## 4. B.2. Livestock and related enterprises: Nil

| *Type of livestock* | *Name of the technology demonstrated* | *Breed* | *No. of Demo* | *No. of Units* | *Yield (q/ha)* | | | | *% Increase* | **Economics of demonstration Rs./unit)* | | | | **Economics of check (Rs./unit)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *Demo* | | | *Check if any* | | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* | *Gross Cost* | *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*** |
| | | |

## 4. B.3. Fisheries: Nil

| *Type of Breed* | *Name of the technology demonstrated* | *Breed* | *No. of Demo* | *Units/ Area ($m^2$)* | *Yield (q/ha)* | | | | *% Increase* | **Economics of demonstration Rs./unit) or (Rs./m2)* | | | | **Economics of check Rs./unit) or (Rs./m2)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *Demo* | | | *Check if any* | | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* |
| | | | | | H | L | A | | | | | | | | | | |
| Common carps | | | | | | | | | | | | | | | | | |

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

### 4.B.4. Other enterprises: Nil

| *Enterprise* | *Name of the technology demonstrated* | *Variety/ species* | *No. of Demo* | *Units/ Area {$m^2$}* | *Yield (q/ha)* | | | | *% Increase* | **Economics of demonstration (Rs./unit) or (Rs./m2)* | | | | **Economics of check (Rs./unit) or (Rs./m2)* | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | *Demo* | | | *Check if any* | | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* | *Gross Cost* | *Gross Return* | *Net Return* | *** BCR* |
| | | | | | H | L | A | | | | | | | | | | |
| Button mushroom | | | | | | | | | | | | | | | | | |
| Vermicompost | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| 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*** |
| Blast Tolerance (%)<br>Maturity days | Disease incidence: 0 % | Disease incidence: 30% |

#### 4.B.5. Extension and Training activities under FLD

| ***Sl.No.*** | ***Activity*** | ***No. of activities organised*** | ***Number of participants*** | ***Remarks*** |
|---|---|---|---|---|
| 1 | Field days | 06 | 286 | Field days were organized on scientific cultivation of Paddy and Brown Sarson |
| 2 | Farmers Training | 15 | 325 | Trainings were conducted on different managemental practices of particular crops |
| 3 | Media coverage | 12 | 0 | Management of different practices including IDM, INM etc |
| 4 | Training for extension functionaries | 10 | 230 | |
| 5 | Others (Please specify) | - | - | |

## 5. Achievements on Training (Including the sponsored, vocational, FLD and trainings under Rainwater Harvesting Unit):

A) **ON Campus**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **(A) Farmers & Farm Women** | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |
| Water management | | | | | | | | | | |
| Seed production | 01 | 13 | 07 | 20 | 0 | 0 | 0 | 13 | 07 | 20 |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Fodder production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | 01 | 14 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 14 |
| Exotic vegetables like Broccoli | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Layout and Management of Orchards | 01 | 40 | 0 | 40 | 14 | 0 | 14 | 54 | 0 | 54 |
| Cultivation of Fruit | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | |
| Plant propagation techniques | 02 | 49 | 08 | 57 | 0 | 0 | 0 | 49 | 08 | 57 |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | 01 | 08 | 10 | 18 | 0 | 0 | 0 | 08 | 10 | 18 |
| Processing and value addition | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | 02 | 39 | 08 | 47 | 20 | 0 | 20 | 59 | 08 | 67 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | 01 | 08 | 0 | 08 | 0 | 0 | 0 | 08 | 0 | 08 |
| Production and use of organic inputs | 01 | 15 | 08 | 23 | 0 | 0 | 0 | 15 | 08 | 23 |
| Management of Problematic soils | 01 | 40 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 40 |
| Micro nutrient deficiency in crops | 01 | 35 | 0 | 35 | 0 | 0 | 0 | 35 | 0 | 35 |
| Nutrient Use Efficiency | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | | | | | | | | | | |
| Poultry Management | | | | | | | | | | |
| Piggery Management | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | |
| Disease Management | 01 | 40 | 0 | 40 | 14 | 0 | 14 | 54 | 0 | 54 |
| Feed management | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| **V 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 | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| 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 | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | |
| **VIII 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 | | | | | | | | | | |
| **IX 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 | 01 | 35 | 0 | 35 | 0 | 0 | 0 | 35 | 0 | 35 |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| **TOTAL** | **14** | **336** | **41** | **377** | **48** | **0** | **48** | **384** | **41** | **425** |
| **(B) RURAL YOUTH** | | | | | | | | | | |
| Mushroom Production | 01 | 05 | 15 | 20 | 0 | 0 | 0 | 05 | 15 | 20 |
| Bee-keeping | | | | | | | | | | |
| Integrated farming | | | | | | | | | | |
| Seed production | 01 | 20 | 08 | 28 | 0 | 0 | 0 | 20 | 08 | 28 |
| Production of organic inputs | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Nursery Management of Horticulture crops | | | | | | | | | | |
| Training and pruning of orchards | 01 | 56 | 20 | 76 | 0 | 0 | 0 | 56 | 20 | 76 |
| Value addition | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | |
| Dairying | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |
| Poultry production | 02 | 35 | 0 | 35 | 0 | 0 | 0 | 35 | 0 | 35 |
| Ornamental fisheries | | | | | | | | | | |
| Para vets | | | | | | | | | | |
| Para extension workers | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |

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| **TOTAL** | **05** | **116** | **43** | **159** | **0** | **0** | **0** | **116** | **43** | **159** |

| **(C) Extension Personnel** | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Productivity enhancement in field crops | 01 | 40 | 03 | 43 | 0 | 0 | 0 | 40 | 03 | 43 |
| Integrated Pest Management | 01 | 34 | 06 | 40 | 0 | 0 | 0 | 34 | 06 | 40 |
| Integrated Nutrient management | 01 | 16 | 06 | 22 | 0 | 0 | 0 | 16 | 06 | 22 |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | 01 | 34 | 06 | 40 | 0 | 0 | 0 | 34 | 06 | 40 |
| Formation and Management of SHGs | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | 01 | 10 | 05 | 15 | 0 | 0 | 0 | 10 | 05 | 15 |
| Production and use of organic inputs | 01 | 30 | 04 | 34 | 0 | 0 | 0 | 30 | 04 | 34 |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| **TOTAL** | **06** | **164** | **30** | **194** | **0** | **0** | **0** | **164** | **30** | **194** |

B) **OFF Campus**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **(A) Farmers & Farm Women** | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |

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| Crop Diversification | | | | | | | | | | |
| Integrated Farming | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| Water management | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| Seed production | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Fodder production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |
| Production of low volume and high value crops | 04 | 59 | 32 | 91 | 0 | 0 | 0 | 59 | 32 | 91 |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | | | | | | | | | | |
| Exotic vegetables like Broccoli | 01 | 15 | 15 | 30 | 0 | 0 | 0 | 15 | 15 | 30 |
| Export potential vegetables | 01 | 10 | 25 | 35 | 0 | 0 | 0 | 10 | 25 | 35 |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | 01 | 15 | 0 | 15 | 0 | 0 | 0 | 15 | 0 | 15 |
| Layout and Management of Orchards | 03 | 98 | 19 | 117 | 0 | 0 | 0 | 98 | 19 | 117 |
| Cultivation of Fruit | | | | | | | | | | |
| Management of young plants/orchards | 01 | 35 | 09 | 44 | 0 | 0 | 0 | 35 | 09 | 44 |
| Rejuvenation of old orchards | 01 | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| Export potential fruits | 01 | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| Micro irrigation systems of orchards | 01 | 18 | 08 | 26 | 0 | 0 | 0 | 18 | 08 | 26 |
| Plant propagation techniques | 02 | 21 | 04 | 25 | 15 | 05 | 20 | 36 | 09 | 45 |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | 01 | 18 | 06 | 24 | 0 | 0 | 0 | 18 | 06 | 24 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | 01 | 26 | 0 | 26 | 0 | 0 | 0 | 26 | 0 | 26 |
| Production and use of organic inputs | 01 | 20 | 0 | 20 | 0 | 0 | 0 | 20 | 0 | 20 |
| Management of Problematic soils | | | | | | | | | | |
| Micro nutrient deficiency in crops | 01 | 18 | 05 | 23 | 0 | 0 | 0 | 18 | 05 | 23 |
| Nutrient Use Efficiency | | | | | | | | | | |
| Soil and Water Testing | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| **IV Livestock** | | | | | | | | | | |

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| **Production and Management** | | | | | | | | | | |
| Dairy Management | 01 | 12 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 12 |
| Poultry Management | 01 | 16 | 05 | 21 | 0 | 0 | 0 | 16 | 05 | 21 |
| Piggery Management | 01 | 20 | 04 | 24 | 0 | 0 | 0 | 20 | 04 | 24 |
| Rabbit Management | 01 | 13 | 0 | 13 | 0 | 0 | 0 | 13 | 0 | 13 |
| Disease Management | | | | | | | | | | |
| Feed management | 01 | 13 | 03 | 16 | 0 | 0 | 0 | 13 | 03 | 16 |
| Production of quality animal products | 02 | 37 | 16 | 53 | 0 | 0 | 0 | 37 | 16 | 53 |
| **V 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 | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| 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 | | | | | | | | | | |

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| Small scale processing and value addition | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | 05 | 105 | 28 | 133 | 0 | 0 | 0 | 105 | 28 | 133 |
| Integrated Disease Management | 01 | 28 | 0 | 28 | 0 | 0 | 0 | 28 | 0 | 28 |
| Bio-control of pests and diseases | 01 | 15 | 09 | 24 | 0 | 0 | 0 | 15 | 09 | 24 |
| Production of bio control agents and bio pesticides | 02 | 86 | 0 | 86 | 0 | 0 | 0 | 86 | 0 | 86 |
| **VIII 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 | | | | | | | | | | |
| **IX 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 | | | | | | | | | | |

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| sheets | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| **TOTAL** | **39** | **798** | **223** | **1021** | **15** | **05** | **20** | **813** | **228** | **1041** |
| **(B) RURAL YOUTH** | | | | | | | | | | |
| Mushroom Production | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | |
| Integrated farming | 01 | 30 | 0 | 30 | 06 | 20 | 28 | 36 | 20 | 56 |
| Seed production | 01 | 22 | 06 | 28 | 0 | 0 | 0 | 22 | 06 | 28 |
| Production of organic inputs | | | | | | | | | | |
| Integrated Farming | 02 | 35 | 0 | 35 | 06 | 16 | 22 | 41 | 16 | 57 |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Nursery Management of Horticulture crops | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Training and pruning of orchards | 01 | 21 | 07 | 28 | 0 | 0 | 0 | 21 | 07 | 28 |

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|---|---|---|---|---|---|---|---|---|---|---|
| Value addition | 04 | 0 | 50 | 50 | 08 | 27 | 35 | 08 | 77 | 85 |
| Production of quality animal products | | | | | | | | | | |
| Dairying | 01 | 14 | 13 | 27 | 0 | 0 | 0 | 14 | 13 | 27 |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |
| Poultry production | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | |
| Para vets | | | | | | | | | | |
| Para extension workers | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| **TOTAL** | **11** | **142** | **81** | **223** | **20** | **63** | **83** | **162** | **144** | **306** |
| **(C) Extension Personnel** | | | | | | | | | | |
| Productivity enhancement in field crops | | | | | | | | | | |
| Integrated Pest Management | | | | | | | | | | |
| Integrated Nutrient management | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| **TOTAL** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |

**C) Consolidated table (ON and OFF Campus)**

| Thematic area | No. of courses | Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | Others | | | SC/ST | | | Grand Total | | |
| | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| **(A) Farmers & Farm Women** | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | |
| Weed Management | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | |
| Integrated Farming | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| Water management | | | | | | | | | | |
| Seed production | 02 | 33 | 12 | 45 | 0 | 0 | 0 | 33 | 12 | 45 |
| Nursery management | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | |
| Fodder production | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | |
| **II Horticulture** | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| Production of low volume and high value crops | 04 | 59 | 32 | 91 | 0 | 0 | 0 | 59 | 32 | 91 |
| Off-season vegetables | | | | | | | | | | |
| Nursery raising | 01 | 14 | 0 | 14 | 0 | 0 | 0 | 14 | 0 | 14 |
| Exotic vegetables like Broccoli | 01 | 15 | 15 | 30 | 0 | 0 | 0 | 15 | 15 | 30 |
| Export potential vegetables | 01 | 10 | 25 | 35 | 0 | 0 | 0 | 10 | 25 | 35 |
| Grading and standardization | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | |
| Training and Pruning | 01 | 15 | 0 | 15 | 0 | 0 | 0 | 15 | 0 | 15 |
| Layout and Management of Orchards | 04 | 138 | 19 | 157 | 14 | 0 | 14 | 152 | 19 | 171 |
| Cultivation of Fruit | | | | | | | | | | |
| Management of young plants/orchards | 01 | 35 | 09 | 44 | 0 | 0 | 0 | 35 | 09 | 44 |
| Rejuvenation of old orchards | 01 | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| Export potential fruits | 01 | 18 | 08 | 26 | 0 | 0 | 0 | 18 | 08 | 26 |
| Micro irrigation systems of orchards | | | | | | | | | | |
| Plant propagation techniques | 04 | 70 | 12 | 82 | 15 | 05 | 20 | 85 | 17 | 102 |
| **c) Ornamental Plants** | | | | | | | | | | |
| Nursery Management | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | |

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| Processing and value addition | | | | | | | | | | |

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| **f) Spices** | | | | | | | | | | |
| Production and Management technology | 01 | 08 | 10 | 18 | 0 | 0 | 0 | 08 | 10 | 18 |
| Processing and value addition | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Production and management technology | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | |
| **III Soil Health and Fertility Management** | | | | | | | | | | |
| Soil fertility management | 02 | 39 | 08 | 47 | 20 | 0 | 20 | 59 | 08 | 67 |
| Soil and Water Conservation | | | | | | | | | | |
| Integrated Nutrient Management | 01 | 26 | 0 | 26 | 0 | 0 | 0 | 26 | 0 | 26 |
| Production and use of organic inputs | 02 | 35 | 08 | 43 | 0 | 0 | 0 | 35 | 08 | 43 |
| Management of Problematic soils | 01 | 40 | 0 | 40 | 0 | 0 | 0 | 40 | 0 | 40 |
| Micro nutrient deficiency in crops | 02 | 53 | 05 | 58 | 0 | 0 | 0 | 53 | 05 | 58 |
| Nutrient Use Efficiency | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| Soil and Water Testing | | | | | | | | | | |
| **IV Livestock Production and Management** | | | | | | | | | | |
| Dairy Management | 01 | 12 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 12 |
| Poultry Management | 01 | 16 | 05 | 21 | 0 | 0 | 0 | 16 | 05 | 21 |
| Piggery Management | 01 | 20 | 04 | 24 | 0 | 0 | 0 | 20 | 04 | 24 |
| Rabbit Management | 01 | 13 | 0 | 13 | 0 | 0 | 0 | 13 | 0 | 13 |
| Disease Management | 01 | 40 | 0 | 40 | 14 | 0 | 14 | 54 | 0 | 54 |
| Feed management | 01 | 13 | 03 | 16 | 0 | 0 | 0 | 13 | 03 | 16 |
| Production of quality animal products | 02 | 37 | 16 | 53 | 0 | 0 | 0 | 37 | 16 | 53 |
| **V Home Science/Women empowerment** | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|
| 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 | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | |
| Value addition | | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| Women and child care | | | | | | | | | | |
| **VI Agril. Engineering** | | | | | | | | | | |
| 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 | | | | | | | | | | |
| **VII Plant Protection** | | | | | | | | | | |
| Integrated Pest Management | 05 | 105 | 28 | 133 | 0 | 0 | 0 | 105 | 28 | 133 |
| Integrated Disease Management | 01 | 28 | 0 | 28 | 0 | 0 | 0 | 28 | 0 | 28 |
| Bio-control of pests and diseases | 01 | 15 | 09 | 24 | 0 | 0 | 0 | 15 | 09 | 24 |
| Production of bio control agents and bio pesticides | 02 | 86 | 0 | 86 | 0 | 0 | 0 | 86 | 0 | 86 |

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| **VIII 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 | | | | | | | | | | |
| **IX 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 | 01 | 35 | 0 | 35 | 0 | 0 | 0 | 35 | 0 | 35 |
| Small tools and implements | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | |
| Leadership development | | | | | | | | | | |
| Group dynamics | | | | | | | | | | |
| Formation and | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Management of SHGs | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | |
| Production technologies | | | | | | | | | | |
| Nursery management | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | |
| **TOTAL** | **50** | **1088** | **248** | **1336** | **63** | **05** | **68** | **1151** | **253** | **1404** |
| **(B) RURAL YOUTH** | | | | | | | | | | |
| Mushroom Production | 01 | 05 | 15 | 20 | 0 | 0 | 0 | 05 | 15 | 20 |
| Bee-keeping | | | | | | | | | | |
| Integrated farming | 02 | 20 | 0 | 20 | 06 | 16 | 22 | 26 | 16 | 42 |
| Seed production | 02 | 42 | 14 | 56 | 0 | 0 | 0 | 42 | 14 | 56 |
| Production of organic inputs | | | | | | | | | | |
| Integrated Farming | 02 | 35 | 0 | 35 | 06 | 16 | 22 | 41 | 16 | 57 |
| Planting material production | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | |
| Sericulture | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | |
| Nursery Management of Horticulture crops | 01 | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| Training and pruning of orchards | 02 | 77 | 27 | 104 | 0 | 0 | 0 | 77 | 27 | 104 |
| Value addition | 04 | 0 | 50 | 50 | 08 | 27 | 35 | 08 | 77 | 85 |
| Production of quality animal products | | | | | | | | | | |
| Dairying | 01 | 14 | 13 | 27 | 0 | 0 | 0 | 14 | 13 | 27 |
| Sheep and goat rearing | | | | | | | | | | |
| Quail farming | | | | | | | | | | |
| Piggery | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Poultry production | 02 | 35 | 0 | 35 | 0 | 0 | 0 | 35 | 0 | 35 |
| Ornamental fisheries | | | | | | | | | | |
| Para vets | | | | | | | | | | |
| Para extension workers | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | |
| Pearl culture | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | |
| Small scale processing | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | |
| **TOTAL** | **17** | **248** | **124** | **372** | **20** | **59** | **79** | **268** | **183** | **451** |
| **(C) Extension Personnel** | | | | | | | | | | |
| Productivity enhancement in field crops | 01 | 40 | 03 | 43 | 0 | 0 | 0 | 40 | 03 | 43 |
| Integrated Pest Management | 01 | 34 | 06 | 40 | 0 | 0 | 0 | 34 | 06 | 40 |
| Integrated Nutrient management | 01 | 16 | 06 | 22 | 0 | 0 | 0 | 16 | 06 | 22 |
| Rejuvenation of old orchards | | | | | | | | | | |
| Protected cultivation technology | 01 | 34 | 06 | 40 | 0 | 0 | 0 | 34 | 06 | 40 |
| Formation and Management of SHGs | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| Livestock feed and fodder production | | | | | | | | | | |
| Household food security | | | | | | | | | | |
| Women and Child care | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | 01 | 10 | 05 | 15 | 0 | 0 | 0 | 10 | 05 | 15 |
| Production and use of organic inputs | 01 | 30 | 04 | 34 | 0 | 0 | 0 | 30 | 04 | 34 |
| Gender mainstreaming through SHGs | | | | | | | | | | |
| **TOTAL** | **06** | **164** | **30** | **194** | **0** | **0** | **0** | **164** | **30** | **194** |

**Note: Please furnish the details of above training programmes as Annexure in the proforma given below**

| Date | Clientele | Title of the training programme | Discipline | Thematic area | Duration in days | Venue (Off / On Campus) | Number of other participants (Other) | | | Number of SC/ST | | | Total number of participants | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 18-04-2019 | Progressive Farmer | Importance of Pollination in Fruit Plants | Plant Protection | Quality & Quantity | 03 | Off Campus | 17 | 07 | 24 | 0 | 0 | 0 | 17 | 07 | 24 |
| 09-04-2019 | Progressive Farmer | Balanced Feeding of High Yielding Dairy Cattle | Animal Science | Care & Management | 03 | Off Campus | 13 | 03 | 16 | 0 | 0 | 0 | 13 | 03 | 16 |
| 15-05-2019 | Progressive Farmer | Awareness Programme on Cherry Cracking | Plant Protection | Integrated Disease Management | 03 | Off Campus | 0 | 0 | 0 | 15 | 05 | 20 | 15 | 05 | 20 |
| 01-05-2019 | Progressive Farmer | Awareness Programme on Foliar Application of Boron for Fruit Set | Fruit Science | Crop Production | 03 | Off Campus | 18 | 05 | 23 | 0 | 0 | 0 | 18 | 05 | 23 |
| 02-05-2019 | Progressive Farmer | Soil Quality Enhancement of Maize | Soil Science | Soil Health & Fertility | 03 | Off Campus | 20 | 0 | 20 | 0 | 0 | 0 | 20 | 0 | 20 |
| 02-05-2019 | Progressive Farmer | Safe Use of Pesticides | Plant Protection | Eco Safe Management | 03 | Off Campus | 24 | 06 | 30 | 0 | 0 | 0 | 24 | 06 | 30 |
| 16-05-2019 | Progressive Farmer | Management of Pests in Vegetable Crop through Non Chemical Measures along with LAWDA | Plant Protection | Integrated Pest Management | 03 | Off Campus | 15 | 10 | 25 | 0 | 0 | 0 | 15 | 10 | 25 |
| 09-05-2019 | Rural Youth | On Farm Composting of Dalweed through Improved Techniques | Soil Science | Production of Input at Site | 03 | Off Campus | 30 | 0 | 30 | 0 | 0 | 0 | 30 | 0 | 30 |
| 16-05-2019 | Rural Youth | On Farm Composting of FYM through Vermicomposting by using Shalimar Microbes | Soil Science | Production of Input at Site | 03 | Off Campus | 20 | 0 | 20 | 0 | 0 | 0 | 20 | 0 | 20 |
| 19-06-2019 | Progressive Farmer | Importance of Leaf Analysis Techniques in Fruit Crops | Fruit Science | Plant Nutrition | 03 | Off Campus | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| 20-06-2019 | Progressive Farmer | Importance of Drip Irrigation in High Density Orchards | Fruit Science | Water Conservation | 03 | Off Campus | 18 | 08 | 26 | 0 | 0 | 0 | 18 | 08 | 26 |
| 24-06-2019 | Progressive | Balanced Feeding of High | Animal | Care & | 03 | Off | 15 | 10 | 25 | 0 | 0 | 0 | 15 | 10 | 25 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Farmer | Yielding Cattle | Science | Management | | Campus | | | | | | | | | |
| 20-06-2019 | Progressive Farmer | Clean & Hygienic Milk Production | Animal Science | Care & Management | 03 | Off Campus | 22 | 06 | 28 | 0 | 0 | 0 | 22 | 06 | 28 |
| 19-06-2019 | Progressive Farmer | Management of European Red Mite in Apple | Plant Protection | Integrated Pest Management | 03 | Off Campus | 21 | 07 | 28 | 0 | 0 | 0 | 21 | 07 | 28 |
| 19-06-2019 | Progressive Farmer | Management of Diamond Back Moth & Cabbage Butterfly | Plant Protection | Integrated Pest Management | 03 | Off Campus | 15 | 09 | 24 | 0 | 0 | 0 | 15 | 09 | 24 |
| 20-06-2019 | Progressive Farmer | Management of ERM & Sanjose Scale in Apple | Plant Protection | Integrated Disease Management | 03 | Off Campus | 26 | 0 | 26 | 0 | 0 | 0 | 26 | 0 | 26 |
| 19-06-2019 | Progressive Farmer | Pollination Management in Cucurbits | Vegetable Science | Quality & Quantity | 03 | Off Campus | 10 | 25 | 35 | 0 | 0 | 0 | 10 | 25 | 35 |
| 19-06-2019 | Progressive Farmer | Training, Pruning & Staking in Tomato | Vegetable Science | Crop Production | 03 | Off Campus | 16 | 17 | 33 | 0 | 0 | 0 | 16 | 17 | 33 |
| 20-06-2019 | Progressive Farmer | Modern Technologies of Vegetable Production | Vegetable Science | Crop Production | 03 | Off Campus | 15 | 15 | 30 | 0 | 0 | 0 | 15 | 15 | 30 |
| 19-06-2019 | Rural Youth | Awareness regarding Balanced Diet & its Importance | Home Science | Diet Management | 03 | Off Campus | 0 | 0 | 0 | 08 | 27 | 35 | 08 | 27 | 35 |
| 25-06-2019 | Rural Youth | Health Benefits of Diary Products | Animal Science | Care & Management | 03 | Off Campus | 14 | 13 | 27 | 0 | 0 | 0 | 14 | 13 | 27 |
| 19-06-2019 | Rural Youth | Importance of Leaf Analysis & Techniques for Collection of Leaf Samples | Soil Science | Plant Nutrition | 03 | Off Campus | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| 20-06-2019 | Rural Youth | Soil Quality Enhancement of Maize Field | Soil Science | Soil Health & Fertility | 03 | Off Campus | 0 | 0 | 0 | 06 | 20 | 26 | 06 | 20 | 26 |
| 20-06-2019 | Rural Youth | Diagnosis of Nutrients Deficiencies in Fruit Crops of Cherry | Soil Science | Integrated Nutrient Management | 03 | Off Campus | 0 | 0 | 0 | 06 | 16 | 22 | 06 | 16 | 22 |
| 19-07-2019 | Progressive Farmer | Handling Preparation & Application of Bio Fertilizes | Soil Science | Soil Health & Fertility | 03 | Off Campus | 18 | 06 | 24 | 0 | 0 | 0 | 18 | 06 | 24 |
| 11-07-2019 | Progressive Farmer | Diagnosis of Nutrient Deficiency in Fruit Crops especially in Apple/Cherry & their remedies. | Soil Science | Integrated Nutrient Management | 03 | Off Campus | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 11-07-2019 | Progressive Farmer | Seed Production of Vegetables for Kharif Crops | Vegetable Science | Seed Production | 03 | Off Campus | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| 24-07-2019 | Progressive Farmer | Scientific Duck Farming | Animal Science | Sustainable Agriculture | 03 | Off Campus | 20 | 04 | 24 | 0 | 0 | 0 | 20 | 04 | 24 |
| 25-07-2019 | Progressive Farmer | Litter for Healthy Backyard Poultry Farming under Field Condition | Animal Science | Health Management | 03 | Off Campus | 16 | 05 | 21 | 0 | 0 | 0 | 16 | 05 | 21 |
| **03-07-2019** | **Rural Youth** | **Hybrid Seed Production in Vegetables** | **Vegetable Science** | **Seed Production** | **03** | **On Campus** | **20** | **08** | **28** | **0** | **0** | **0** | **20** | **08** | **28** |
| 16-07-2019 | Rural Youth | Seed Production in Vegetable Crops | Vegetable Science | Seed Production | 03 | Off Campus | 22 | 06 | 28 | 0 | 0 | 0 | 22 | 06 | 28 |
| 16-07-2019 | Rural Youth | Importance of Dip Irrigation in High Density Plantation | Fruit Science | Water Conservation | 03 | Off Campus | 21 | 07 | 28 | 0 | 0 | 0 | 21 | 07 | 28 |
| **17-07-2019** | **In-Service** | **Budding Techniques in Fruit Crops** | **Fruit Science** | **Crop Propagation** | **03** | **On Campus** | **15** | **05** | **20** | **0** | **0** | **0** | **15** | **05** | **20** |
| 21-08-2019 | Progressive Farmer | Grading, Packing & Handling of Fruits | Fruit Science | Post Harvest Management | 03 | Off Campus | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| **26-08-2019** | **Progressive Farmer** | **Farm Waste Management** | **Soil Science** | **Production of Input at Site** | **03** | **On Campus** | **15** | **08** | **23** | **0** | **0** | **0** | **15** | **08** | **23** |
| **26-08-2019** | **Progressive Farmer** | **Seed Production Techniques for Root Crops** | **Vegetable Science** | **Seed Production** | **03** | **On Campus** | **13** | **07** | **20** | **0** | **0** | **0** | **13** | **07** | **20** |
| 01-08-2019 | Progressive Farmer | Integrated Farming System for Maximum Returns | IFS | Crop Production | 03 | Off Campus | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |
| **18-09-2019** | **Progressive Farmer** | **Popularization and Demonstration of Spice Crops** | **Vegetable Science** | **Crop Production** | **03** | **On Campus** | **08** | **10** | **18** | **0** | **0** | **0** | **08** | **10** | **18** |
| **23-09-2019** | **Progressive Farmer** | **Soil Sampling Techniques for Field & Plantation Crops** | **Soil Science** | **Soil Health & Fertility** | **03** | **On Campus** | **14** | **08** | **22** | **0** | **0** | **0** | **14** | **08** | **22** |
| 28-10-2019 | Rural Youth | Demonstration on making of Apple Jam | Home Science | Value Addition | 07 | Off Campus | 0 | 17 | 17 | 0 | 0 | 0 | 0 | 17 | 17 |
| 29-10-2019 | Rural Youth | Demonstration on making of Quince Muraba | Home Science | Value Addition | 07 | Off Campus | 0 | 15 | 15 | 0 | 0 | 0 | 0 | 15 | 15 |
| **22-10-2019** | **In-Service** | **Awareness Programme on Fertilizer Application** | **Soil Science** | **Soil Health & Fertility** | **03** | **On Campus** | **16** | **06** | **22** | **0** | **0** | **0** | **16** | **06** | **22** |
| 28-11-2019 | Progressive | Fruit Fly Management | Plant | Quality Vegetable | 03 | Off | 20 | 05 | 25 | 0 | 0 | 0 | 20 | 05 | 25 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Farmer | | Protection | Production | | Campus | | | | | | | | | |
| 26-11-2019 | Progressive Farmer | Training and Pruning of Fruit Crops. | Fruit Science | Crop Production | 03 | Off Campus | 15 | 0 | 15 | 0 | 0 | 0 | 15 | 0 | 15 |
| 11-11-2019 | Progressive Farmer | Scientific Cultivation of Strawberry | Fruit Science | Crop Production | 03 | Off Campus | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| 19-11-2019 | Progressive Farmer | Seed Production of Rabi Vegetables | Vegetable Science | Seed Production | 03 | Off Campus | 08 | 0 | 08 | 0 | 0 | 0 | 08 | 0 | 08 |
| **06-11-2019** | **Progressive Farmer** | **Transplanting of Onion Seedlings** | **Vegetable Science** | **Crop Production** | **03** | **On Campus** | **14** | **0** | **14** | **0** | **0** | **0** | **14** | **0** | **14** |
| 28-11-2019 | Progressive Farmer | Feeding Management in Winter | Animal Science | Care & Management | 03 | Off Campus | 12 | 0 | 12 | 0 | 0 | 0 | 12 | 0 | 12 |
| 28-11-2019 | Progressive Farmer | Design Layout of Sheep Shed. | Animal Science | Care & Management | 03 | Off Campus | 13 | 0 | 13 | 0 | 0 | 0 | 13 | 0 | 13 |
| **06-11-2019** | **Progressive Farmer** | **On Farm Composting for Efficient Nutrient Cycling** | **Soil Science** | **Production of Input at Site** | **03** | **On Campus** | **08** | **0** | **08** | **0** | **0** | **0** | **08** | **0** | **08** |
| 19-11-2019 | Rural Youth | Enhancing Nutritive Value of Food. | Home Science | Balanced Food | 03 | Off Campus | 0 | 18 | 18 | 0 | 0 | 0 | 0 | 18 | 18 |
| **06-11-2019** | **In-Service** | **Getting Started in Vegetable Cultivation** | **Vegetable Science** | **Crop Production** | **03** | **On Campus** | **40** | **03** | **43** | **0** | **0** | **0** | **40** | **03** | **43** |
| **06-11-2019** | **In-Service** | **Nursery Production of Fruits Crops** | **Fruit Science** | **Crop Production** | **03** | **On Campus** | **34** | **06** | **40** | **0** | **0** | **0** | **34** | **06** | **40** |
| **06-11-2019** | **In-Service** | **Apple Pests & their Management** | **Plant Protection** | **Integrated Pest Management** | **03** | **On Campus** | **34** | **06** | **40** | **0** | **0** | **0** | **34** | **06** | **40** |
| **06-11-2019** | **In-Service** | **Doubling the Farmers Income through Soil Health & Composting** | **Soil Science** | **Soil Health & Fertility** | **03** | **On Campus** | **30** | **04** | **34** | **0** | **0** | **0** | **30** | **04** | **34** |
| **05-12-2019** | **Progressive Farmer** | **Stop Soil Erosion & Save Future** | **Soil Science** | **Soil Conservation** | **03** | **On Campus** | **40** | **0** | **40** | **0** | **0** | **0** | **40** | **0** | **40** |
| **05-12-2019** | **Progressive Farmer** | **Management of Soil Health through Improved Techniques** | **Soil Science** | **Soil Health & Fertility** | **03** | **On Campus** | **35** | **0** | **35** | **0** | **0** | **0** | **35** | **0** | **35** |
| 23-12-2019 | Progressive Farmer | Scientific Bee Keeping & Pollination Management | Apiculture | Quality & Quantity | 03 | Off Campus | 60 | 0 | 60 | 0 | 0 | 0 | 60 | 0 | 60 |
| 04-12-2019 | Progressive Farmer | Canopy Management of Fruit Crops | Fruit Science | Crop Management | 03 | Off Campus | 60 | 10 | 70 | 0 | 0 | 0 | 60 | 10 | 70 |
| **07-12-2019** | **Rural Youth** | **Scientific Training and Pruning of Fruit Crops** | **Fruit Science** | **Crop Production** | **20** | **On Campus** | **56** | **20** | **76** | **0** | **0** | **0** | **56** | **20** | **76** |
| **21-12-2019** | **In-Service** | **Pickle making of Mixed Vegetables** | **Home Science** | **Post Harvest Technology** | **03** | **On Campus** | **10** | **05** | **15** | **0** | **0** | **0** | **10** | **05** | **15** |
| 11-01-2020 | Progressive | Layout of Orchards | Fruit | Orchard | 03 | Off | 21 | 02 | 23 | 0 | 0 | 0 | 21 | 02 | 23 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Farmer | | Science | Management | | Campus | | | | | | | | | |
| 18-01-2020 | Progressive Farmer | Importance of Drainage and Sanitation in Fruit Orchards | Fruit Science | Orchard Management | 03 | Off Campus | 15 | 04 | 19 | 0 | 0 | 0 | 15 | 04 | 19 |
| 08-01-2020 | Progressive Farmer | Macro and Micro Nutrient Fertilizer & their Application & Preparation of Fertilizer Solution for Foliar Spray in Production of Quality Vegetable Crops | Vegetable Science | Integrated Nutrient Management | 03 | Off Campus | 15 | 05 | 20 | 0 | 0 | 0 | 15 | 05 | 20 |
| **09-01-2020** | **Rural Youth** | **Skill Development Programme on Broiler Farm Worker** | **Animal Science** | **Sustainable Agriculture** | **30** | **On Campus** | **20** | **0** | **20** | **0** | **0** | **0** | **20** | **0** | 20 |
| **08-01-2020** | **Rural Youth** | **Fish Cum Duck & Poultry Farming** | **Animal Science** | **Sustainable Agriculture** | **03** | **On Campus** | **15** | **0** | **15** | **0** | **0** | **0** | **15** | **0** | 15 |
| **27-02-2020** | **Progressive Farmer** | **Antibiotic Misuse in Food Animals** | **Animal Science** | **Care & Management** | **03** | **On Campus** | **40** | **0** | **40** | **14** | **0** | **14** | **54** | **0** | 54 |
| **27-02-2020** | **Progressive Farmer** | **Generate Economy through Beekeeping** | **Apiculture** | **Sustainable Agriculture** | **03** | **On Campus** | **35** | **0** | **35** | **0** | **0** | **0** | **35** | **0** | 35 |
| 01-02-2020 | Progressive Farmer | Management of Apple Pests | Plant Protection | Integrated Pest Management | 03 | Off Campus | 25 | 0 | 25 | 0 | 0 | 0 | 25 | 0 | 25 |
| 06-02-2020 | Progressive Farmer | Sanjose Scale in Fruit Crops | Plant Protection | IDM | 03 | Off Campus | 28 | 0 | 28 | 0 | 0 | 0 | 28 | 0 | 28 |
| **27-02-2020** | **Progressive Farmer** | **Soil Sampling under Field & Orchard Crops** | **Soil Science** | **Soil Health & Fertility** | **03** | **On Campus** | **25** | **0** | **25** | **20** | **0** | **20** | **45** | **0** | **45** |
| 06-02-2020 | Progressive Farmer | Integrated Plant Nutrient Management in Fruit Crops | Soil Science | INM | 03 | Off Campus | 26 | 0 | 26 | 0 | 0 | 0 | 26 | 0 | 26 |
| **27-02-2020** | **Progressive Farmer** | **Nursery Management of Fruit Crops** | **Fruit Science** | **Crop Production** | **03** | **On Campus** | **40** | **0** | **40** | **14** | **0** | **14** | **54** | **0** | **54** |
| **26-02-2020** | **Rural Youth** | **SDP on Mushroom Growers** | **Plant Protection** | **Sustainable Agriculture** | **30** | **On Campus** | **05** | **15** | **20** | **0** | **0** | **0** | **05** | **15** | **20** |
| 05-02-2020 | Rural Youth | Shed Designing for Commercial Broiler Farming | Animal Science | Care & Management | 03 | Off Campus | 15 | 0 | 15 | 0 | 0 | 0 | 15 | 0 | 15 |
| **02-03-2020** | **Progressive Farmer** | **Nursery Production of Quality Planting Material of Stone Fruit Crops** | **Fruit Science** | **Crop Production** | **03** | **On Campus** | **25** | **05** | **30** | **0** | **0** | **0** | **25** | **05** | **30** |
| **04-03-2020** | **Progressive Farmer** | **Raising of Quality Planting Material of Walnut/Pome Fruit Crops** | **Fruit Science** | **Crop Production** | **03** | **On Campus** | **24** | **03** | **27** | **0** | **0** | **0** | **24** | **03** | **27** |
| 06-03-2020 | Progressive Farmer | Grafting Techniques in Temperate Fruit Crops | Fruit Science | Plant Propagation Techniques | 03 | Off Campus | 21 | 04 | 25 | 0 | 0 | 0 | 21 | 04 | 25 |

**D) Vocational training programmes for Rural Youth**

| Crop / Enterprise | Date | Training title* | Identified Thrust Area | Duration (days) | No. of Participants | | | Self employed after training | | | Number of persons employed else where |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Male | Female | Total | Type of units | Number of units | Number of persons employed | |
| PHT/Value addition | 28-10-2019 | Apple Jam | SDP | 07 | - | 17 | 17 | - | 01 | 02 | - |
| PHT/Value addition | 29-10-2019 | Quince Muraba | SDP | 07 | - | 15 | 15 | - | 01 | 02 | - |
| Crop Production | 07-12-2019 | Training & Pruning | SDP | 20 | 56 | 20 | 76 | - | 02 | 05 | - |
| Sustainable Agriculture | 09-01-2020 | Broiler Farm Worker | SDP | 30 | 20 | 0 | 20 | - | 05 | 05 | - |
| Sustainable Agriculture | 26-02-2020 | Mushroom Growers | SDP | 30 | 05 | 15 | 20 | - | 04 | 04 | - |

*training title should specify the major technology /skill transferred

**(E) Sponsored Training Programmes conducted by KVK: Nil**

| Sl. No | Date | Title | Discipline | Thematic area | Duration (days) | Client (PF/RY/EF) | No. of courses | No. of Participants | | | | | | | | | Sponsoring Agency | Amount of fund received (Rs.) |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Others | | | SC/ST | | | Total | | | | |
| | | | | | | | | Male | Female | Total | Male | Female | Total | Male | Female | Total | | |
| | | | | | | | | | | | | | | | | | | |

**(F) Skill Development Training under ASCI Conducted by selected KVKs: Nil**

| Sl. No | Date | Title | Discipline | Thematic area | Duration (days) | Client (PF/ RY/EF) | No. of courses | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | Others | | | SC/ST | | | Total | | |
| | | | | | | | | M | F | Total | M | F | Total | M | F | Total |
| | | | | | | | | | | | | | | | | |
| **Total** | | | | | | | | | | | | | | | | |

**6. Extension Activities (including activities of FLD programmes)**

| Sl. No. | Nature of Extension Activity | Topic /Crop | No. of activities | Participants | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Farmers (Others) (I) | | | SC/ST (Farmers) (II) | | | Extension Officials (III) | | | Grand Total (I+II+III) | | |
| | | | | Male | Female | Total | Male | Female | Total | Male | Female | Total | Male | Female | Total |
| 1. | Field Day | Brown Sarson | 01 | 08 | 08 | 16 | 07 | 03 | 10 | 05 | 04 | 09 | 20 | 15 | 35 |
| 2. | Field Day | Paddy | 01 | 10 | 10 | 20 | 10 | 05 | 15 | 03 | 02 | 05 | 23 | 17 | 40 |
| | Total | | **02** | **18** | **18** | **36** | **17** | **08** | **25** | **08** | **04** | **14** | **43** | **32** | **75** |
| 3. | Kisan Mela | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 4. | Kisan Mela | | 01 | 40 | 10 | 50 | 30 | 10 | 40 | 03 | 03 | 06 | 73 | 23 | 96 |
| | Total | | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** | **0** |
| 5. | Kisan Ghosthi | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 6. | Exhibition | | 02 | 30 | 15 | 45 | 30 | 10 | 40 | 05 | 05 | 10 | 65 | 30 | 95 |
| 7. | Film Show | | 37 | 440 | 90 | 530 | 70 | 35 | 105 | 55 | 20 | 75 | 565 | 145 | 710 |
| 8. | Method Demonstrations | | 23 | 180 | 90 | 270 | 110 | 50 | 160 | 06 | 05 | 11 | 296 | 145 | 441 |
| 9. | Farmers Seminar | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 10. | Workshop | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 11. | Group meetings | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 12. | Lectures delivered as resource persons | | 41 | 380 | 180 | 560 | 80 | 40 | 120 | 14 | 10 | 24 | 474 | 230 | 704 |
| 13. | Newspaper coverage | | 01 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 14. | Radio talks | | 02 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 15. | TV talks | | 24 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 16. | Popular articles | | 08 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 17. | Extension Literature | | 20 | 390 | 150 | 540 | 120 | 80 | 200 | 50 | 36 | 86 | 560 | 266 | 826 |
| 18. | Advisory Services | | 06 | 230 | 140 | 370 | 145 | 25 | 170 | 05 | 05 | 10 | 380 | 170 | 550 |
| 19. | Scientific visit to farmers field | | 167 | 450 | 220 | 670 | 90 | 50 | 140 | 50 | 43 | 93 | 590 | 313 | 903 |
| 20. | Farmers visit to KVK | | 133 | 320 | 150 | 470 | 70 | 30 | 100 | 30 | 23 | 53 | 420 | 203 | 623 |
| 21. | Diagnostic visits | | 25 | 101 | 51 | 152 | 32 | 18 | 50 | 18 | 10 | 28 | 151 | 79 | 230 |
| 22. | Exposure visits | | 16 | 220 | 85 | 305 | 110 | 57 | 167 | 75 | 30 | 105 | 405 | 172 | 577 |
| 23. | Ex-trainees Sammelan | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 24. | Soil health Day | 05-12-19 | 01 | 30 | 04 | 34 | 02 | 02 | 04 | 02 | 02 | 04 | 34 | 08 | 42 |
| 25. | Animal Health Camp | 04-07-19 | 01 | 20 | 10 | 30 | 05 | 05 | 10 | 06 | 04 | 10 | 31 | 19 | 50 |
| 26. | Agri mobile clinic | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 27. | Soil test campaigns | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 28. | Farm Science Club Conveners meet | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 29. | Self Help Group Conveners meetings | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 30. | Mahila Mandals Conveners meetings | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 31. | Celebration of important days (specify) | 15 SAC+ Earth Day+ Swatchta Pakwada | 03 | 110 | 45 | 155 | 40 | 20 | 60 | 10 | 07 | 17 | 160 | 72 | 232 |
| 32. | PMFBY | | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| 33. | Sawachta Pakwada | | 03 | 132 | 41 | 173 | 16 | 13 | 29 | 08 | 06 | 14 | 156 | 60 | 216 |
| | **Grand Total** | | **518** | **3109** | **1317** | **4426** | **984** | **461** | **1445** | **353** | **219** | **574** | **4446** | **1999** | **6445** |

## 6. B. Kisan Mobile Advisory Services

| Kisan Mobile Advisory | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| Name of the KVK | No. of farmers Covered | No. of Advisories Sent | Type of messages | | | | | | |
| | | | Crop | Livestock | Weather | Marketing | Awareness | Other enterprise | Any other |
| Srinagar | 550 | 12 | 06 | 02 | 01 | 01 | 02 | - | - |

## 6. C. DETAILS OF TECHNOLOGY WEEK CELEBRATIONS during 2019-2020

| No. of Technology week celebrated | Types of Activities | No. of Activities | Number of Participants | Related crop/livestock technology |
|---|---|---|---|---|
| | Gosthies | 01 | 65 | Apple,Paddy,maize,pulses |
| | Lectures organised | 0 3 | 145 | Vegetables, poultry, dairy ,Mushroom |
| | Exhibition | - | - | |
| | Film show | 13 | 450 | |
| | Fair | - | - | |
| | Farm Visit | 18 | 245 | |
| | Diagnostic Practicals | 06 | 90 | |
| | Distribution of Literature (No.) | 10 | 650 | |
| | Distribution of Seed (q) | - | - | |
| | Distribution of Planting materials (No.) | - | - | |
| | Bio Product distribution (Kg) | - | - | |
| | Bio Fertilizers (q) | - | - | |
| | Distribution of fingerlings | - | - | |
| | Distribution of Livestock specimen (No.) | - | - | |
| | Total number of farmers visited the technology week | | | |

## 7. Production and supply of Technological products

A) **SEED MATERIALS:**

| Major group/class | Crop | Variety | Quantity (qtl.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|
| CEREALS | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| OILSEEDS | Sunflower | Local | 13 kg | | - |
| | | | | | |
| | | | | | |
| | | | | | |
| PULSES | Rajmash | Arka Anoop | 34 kg | | - |
| | | | | | |
| | | | | | |
| VEGETABLES | | | | | |
| | Capsicum | Paprika | 1.2 kg | | |
| | Onion | Brown Spanish | 01 kg | | |
| | Brinjal | Local Long | 02 kg | | |
| | Okra | SKB-11 | 02 kg | | |
| | | | | | |
| | | | | | |
| | | | | | |

| | | | | | |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| **FLOWER CROPS** | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **OTHERS (Specify)** | Fish | | 5.25 kg | | - |
| | Ducks | | | | |
| **Mushroom** | Button Mushroom | | | | |
| **Vermicompost** | Vermicompost | | 1000 kg | | |
| **Value added products** | Honey | | | | |

*An example for guidance only

B) **PLANTING MATERIALS**

| Major group/class | Crop | Variety | Quantity (Nos.) | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|
| **FRUITS** | **Pear** | **Nakh** | **200** | | **20** |
| | **Plum** | **Santa Rosa** | **564** | | **40** |
| | **Cherry** | **Double** | **884** | | **70** |
| | **Grapes** | **Sahibi** | **60** | | **22** |
| | **Walnut** | **CITH 1** | **575** | | **35** |
| | **Pomegranate** | **Kandhari** | **100** | | **30** |
| | **Kiwi** | | **30** | | **15** |
| | **Apple** | **Silver Spur<br>Red Chief<br>Gala Must** | **145** | | **25** |
| **SPICES** | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **VEGETABLES** | **Tomato** | **Marglobe** | **9200+4000** | | **98** |
| | **Brinjal** | **Local Long** | **2150** | | **34** |
| | **Chilli** | **KL-1** | **500** | | **10** |
| | **Capsicum** | **Nishat-1** | **500** | | **10** |
| | **Bottelguard +Cucurbits** | **Shalimar Improved** | **709+550** | | **55** |
| | **Cucumber** | **JGL** | **891** | | **32** |
| | **Purple Vienna** | | **400** | | **10** |
| | **Knol Khol** | **EWV** | **890+3000** | | **100** |
| **FOREST SPECIES** | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **ORNAMENTAL CROPS** | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **PLANTATION CROPS** | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |
| **Others (specify)** | | | | | |
| | | | | | |
| | | | | | |

*An example for guidance only

C) **BIO PRODUCTS: Nil**

| Major group/class | Product Name | Species | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No | (kg) | | |
| | | | | | | |
| **BIOAGENTS** | | | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| **BIOFERTILIZERS** | | | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |
| **BIO PESTICIDES** | | | | | | |
| 1 | | | | | | |
| 2 | | | | | | |
| 3 | | | | | | |
| 4 | | | | | | |

D) **LIVESTOCK:**

| Sl. No. | Type | Breed | Quantity | | Value (Rs.) | Provided to No. of Farmers |
|---|---|---|---|---|---|---|
| | | | No. | Kgs | | |
| **Cattle** | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **SHEEP AND GOAT** | | | | | | |
| | | | | | | |
| | | | | | | |
| **POULTRY** | **Local** | **Local** | **275** | **550** | **-** | **75** |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| **FISHERIES** | **Local** | **Local** | **50** | **25** | | **15** |
| | | | | | | |
| **Others (Specify)** | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |

*** An example for guidance only**

## PART 8 – PUBLICATION, SUCCESS STORY, SWTL, TECHNOLOGY WEEK AND DROUGHT MITIGATION

### 8. Literature Developed/Published (with full title, author & reference)

**(A) KVK News Letter** – (Name, Date of start, periodicity, number of copies distributed, etc.)

**(B) KVK e-News Letter** – (Name, Date of start, periodicity, Name of the Website uploaded)

**(C) Literature developed/published**

| *Item* | *Title* | *Authors name* | *Number of copies* |
|---|---|---|---|
| Research papers | Efficacy of some horticultural mineral oils (HMO's) against *Quadraspidiotus perniciosus* (Comstock) in Kashmir. | M.A.Mir, R.K. Nehru Shabeena Majid, Jalaluddin | - |
| | Genetic studies involving metric traits in quality protein Maize (QPM) lines under temperate conditions. | Z.A.Dar, A.A.Lone M.A.Mir | - |
| | Efficacy of some horticultural mineral oils (HMO's) alone and in combination with some ovicidal acaricides against *panonychus ulmi* (Koch) in Kashmir | M.A.Mir, Saima Paul Asima Amin Shabeena Majid | - |
| | Heterosis for grain yield and its attributes in highland temperate maize germplasm. | Gower Ali, Z.A.Dar, M.A.Mir A.A. Lone. | - |
| | Heterosis studies in tomato | Asima Amin | - |
| | Gene action studies for yield and its attributing traits in tomato under Kashmir conditions | Asima Amin | - |
| | Diallel analysis over environment for yield and its attributing traits in tomato. | Asima Amin | - |
| | Influence of mulching material on Albinism disorder in strawberry under cold arid conditions. | Ravees Ahmad Wani J.A. Baba | |
| | Grafting-take success in walnut under different environmental conditions | Ravees Ahmad Wani J.A. Baba | |
| | Efficacy of botanical extracts and a chemical pesticide against *Helicoverpa armigera infesting oats* | Ritesh Kumar, Ishtiyaq Ahad, Sheikh Aafreen Rehman, Stanzin Dorjey | |
| | Impact of weather parameters on population dynamics of soil borne insect pests infesting oats (Avena sativa L.) in North Kashmir | Ritesh Kumar, Ishtiyaq Ahad, Sheikh Aafreen Rehman, Stanzin Dorjey | |
| | Bioactive plant extracts an alternate to chemicals for management of armyworm infesting oats. | Ritesh Kumar, Ishtiyaq Ahad, Ajaz Ahmad Sheikh, Abid Showket, Uzma Arife, Stanzin Dorjey | |
| **Total** | **12** | | |
| Technical reports | - | - | - |
| Technical bulletins | - | - | - |
| **Total** | **-** | **-** | **-** |
| Popular articles | - | - | - |
| Training Manual | - | - | - |
| **Total** | - | - | - |
| Extension literature | - | - | - |
| Folders /leaflets | Training system of high density apple | Shabeena Majid Asima Amin | **100** |
| | Chawal Kay Pakwan | Saima Paul | **100** |
| | Pradhan Mantri Fasil Bhima Yojana Sarson Ki Kasht | Rekhi Singh, M.A. Mir, Jalaluddin Peer | **100** |

| *Item* | *Title* | *Authors name* | *Number of copies* |
|---|---|---|---|
| | Cultivation of vegetables in floating gardens. | Shabeena Majid<br>Asima Amin | **100** |
| | Scientific cultivation of pea | Shabeena Majid<br>Asima Amin | **100** |
| | Cultivation of leafy vegetables in Kashmir | Shabeena Majid<br>Asima Amin | **100** |
| | Vegetables-Nutrition and health benefits. | Shabeena Majid<br>Asima Amin and Saima Paul | **100** |
| | Integrated nutrient management chart for commercially growing important vegetables of Kashmir. | Uzma Bashir, Ishtiyaq Ahad | **50** |
| | Pickle without oil | Saima Paul, Rekhi Singh<br>Asima Amin, Shabeena Majid | **50** |
| **TOTAL** | **21** | **-** | **700** |

**(D) Details of Electronic Media Produced**

| S. No. | Type of media (CD / VCD / DVD / Audio-Cassette) | Title of the programme | Number |
|---|---|---|---|
| 01 | DVD | Vermicomposting making out of kitchen waste | 08 |

**(E) Mobile App developed by KVK: Nil**

| S. No. | Name of KVK | Name of Mobile App Developed | Year in which App is Developed | No. of Users downloaded the App | Type of information offered by the App (seeds, fertilizers, market prices, weather etc.) |
|---|---|---|---|---|---|
| | | | | | |

**9. A. Success stories/Case studies, if any (two or three pages write-up on each case with suitable action photographs)**

**Success Story on Fabric Painting**

**Introduction:** Fabric Painting is a skill applied in fashion designing of cloth and interior designing & is a great way to get the look you want.

**Intervention:** 15 days training programme was organized by Kendra at Rawatpora (Semi Urban) Owais Colony w.e.f 11$^{th}$ of December 2017 for benefiting 20 girls/Farm Women.

**Outcome/Output:** One of the trainee Bisma Farooq D/o Farooq Ahmad Bhat R/o Owais Colony Rawatpora, Age: 23 Years was running a Boutique with her sister in the locality and were charging Rs.350 per suit. After completing 15 days training programme on fabric painting, she utilized this skill in her Boutique on stitched dresses. Since this technology is fast changing market trends of home made products as well as dresses. Bisma's interventions of fabric painting on stitched cloths enhanced its quality as well as price which fed her good returns.

**Impact:** Earlier one suit stitching charges were Rs.350, now the same suit is charged with Rs.500-600 per suit depending upon the work done on the suit.

***The success stories/case studies with good action photographs (with captions) should be on the following topics***

***a) Effective popularization on a larger scale of any one FLD technology and its role in transformation of district agriculture with respect to that particular crop or enterprise***

**Introduction:** Popularization of newly released varieties of different crops among farming community is one of the basic mandate of KVK and the Kendra is making sincere efforts to popularize the varieties of different crops particularly in Paddy at different locations.

**Intervention:** Kendra introduced the SR-2 variety of Paddy particularly for Paddy growers of water logged areas.

**Output/Outcome:** Major area of the Paddy growing in the district is water logged and the varieties grown in the district does not thrive well under water logged conditions resulting reduction in the yield. SKUAST-K developed variety SR-2 which performs well under these conditions. The variety was introduced in two villages at Ranbirgrah and Lasjan area in trial basis for farmers. The variety performed well as compared to the local variety. In the next season, more area of Lasjan and other villages were brought under cultivation of the variety which showed an average yield of 67 q/ha.

**Impact:** There was 21% increase in the yield with highest yield of 69 q/ha and average yield was recorded 67 q/ha as compared to the yield of 51 q/ha in the local variety.

**FLD on Paddy SR-2 village**

*b) Performance of the end results of any one technology assessed, its refinement if any and its impact in district agriculture with respect to that crop or enterprise: Nil*

*c) Effect of production and supply of seeds and planting material / animal breed / or bio-product and its impact on district agriculture with respect to that crop/ enterprise/ bio-product : Nil*

**9. B. Give details of innovative methodology/technology developed and used for Transfer of Technology during the year:**

**Dal weed Composting:** The Management of weeds inside the Dal lake Srinagar most recognizable land mark, tops the priority list in saving the fragile eco-system of the water body. The LAWDA undertake the DAL deweeding and dump the same on the Dal banks. This has been a persistent cause of nuisance to inhabitants of the vicinity. They have approached us for management of the same.

A survey was conducted in the adjoining areas of the Dal Lake. It was found that the annually more than 100000 cubic meters of weeds are removed from the lake incurring lacs of rupees.

Technology was available with the host institute and same was demonstrated to the local farmers through 10 training programmes and demonstrations on small scale. Technology was demonstrated to farmers of the said area to convert this weed into compost by using microbial solution. Consortium of locally isolated micro-organism known as Shalimar microbes, which not only converts the weeds into useful manure but is also effective to remove bad smell from weed piles. Consortium also reduces the time for decomposition and conversion of material into compost. The end product (Dal Weed) is very rich in some macro and micro organism. The conversion of these weeds into compost on large scale and its subsequent utilization in fields could boost the concept the organic farming in the district. The manure generated in the Dalweed fetch upto Rs. 20/kg.

**Outcome:** The technology adopted was found successful not only in removing the nuisance but also provide organic Farming concept in the District Srinagar. Seeing the results of these demo plots, the local adopted the technology and the results are encouraging and more and more farmers around the vicinity of Dal are following the technology.


**9. C. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs): Nil**

**9.D. Indicate the specific training need analysis tools/methodology followed for**

- Identification of courses for farmers/farm women: Village survey
- Rural Youth: -do-
- In-service personnel: Meetings with District Officers

**9. E. Field activities**

i. Number of villages adopted: 02
ii. No. of farm families selected: 40
iii. No. of survey/PRA conducted: 02

**9. F. Activities of Soil and Water Testing Laboratory / Plant Health Clinic**

1. Status of establishment of Lab : *Working*
2. Year of establishment : 2005
3. List of equipments purchased with amount :

| Sl. No | Name of the Equipment | Qty. | Cost |
|---|---|---|---|
| 1 | Kjel Plus Automatic Digestion | 01 | 50,720.00 |
| 2 | All Glass Distillation System | 01 | 5,800.00 |
| 3 | Batolini Gas Heater | 02 | 7,800.00 |
| 4 | Oven (Hot Air) | 01 | 19,800.00 |
| 5 | Grinder (Stain Less Steel) | 01 | 12,390.00 |
| 6 | Soil auger | 02 | 1400.00 |
| 7 | Flame photometer | 01 | 34,725.00 |
| 8 | Specto-photometer | 01 | 41,500.00 |
| 9 | Chemical Balance (Sensitive) | 01 | 97,000.00 |
| 10 | Conductivity Bridge | 01 | 5500.00 |
| 11 | Gas burner | 02 | 15,00.00 |
| 12 | Digital P.H meter | 01 | 10,430.00 |
| 13 | HCL computer & Accessories | 01 | 75,000.00 |
| 14 | Refrigerator | 01 | 10,650.00 |

| | | | |
|---|---|---|---|
| 15 | Refrigerator Haier | 01 | 9,200.00 |
| 16 | Hot plates | 04 | 10,440.00 |
| 17 | Shaker | 01 | 13,680.00 |
| 18 | Kjelda Distillation & digestion combined unit | 01 | 12,510.00 |
| 19 | Geneset | 01 | 43,028.00 |
| 20 | Conductivity meter | 01 | 5500.00 |
| 21 | Physical balance | 01 | 8,700.00 |
| 22 | Glass ware & plastic ware. | - | 1,30,644.00 |
| 23 | Chemical ware | - | 83,390.00 |
| 24 | Furniture | - | 75,000.00 |
| 25 | Printer | 01 | 7,500.00 |
| 26 | Pastel & motor | 02 | 1500.00 |
| 27 | Heating mental | 02 | 1530.00 |
| 28 | Test sieves | 02 | 1650.00 |
| 29 | Thermometer | 03 | 590.00 |
| 30 | Plant Grinder | 01 | 6700.00 |
| 31 | Soil Moisture Meter | 02 | 1300.00 |
| **Total** | | **40** | |

3. **Details of samples analyzed / Soil Health Cards issued during 2019-2020: Nil (Lab.)**

| Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
|---|---|---|---|---|
| Soil Samples | - | - | - | - |
| Water Samples | - | - | - | - |
| Plant Samples | - | - | - | - |
| Soil Health Cards Issued | - | - | - | - |

4. Status of mini soil testing labs/kit : 02
5. Year of procurement of lab/kit : 2017 (May)
6. No. of mini labs with the KVK : 02
7. Type of mini labs (Name of lab/Kit) : Mid Parikshak Soil Testing Lab

8. **Details of samples analyzed through mini soil kit / Soil Health Cards issued during 2019-2020**

| Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
|---|---|---|---|---|
| Soil Samples | 95 | 60 | 16 | Samples were analyzed free of cost on world soil health day |
| Water Samples | 0 | 0 | 0 | |
| Soil Health Cards Issued | 43 | 43 | 10 | |

## 10. IMPACT

### 10.1 Impact of KVK activities (Not to be 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)** |
| Grafting/Budding Techniques | 25 | 20 | - | Rs. 5/graft<br>Rs. 3/bud |
| Vermi-composting | 23 | 13 | Rs. 1200/quintal | Rs. 1500/quintal |
| Seed Production of Vegetables (G.M. Dari) | 25 | 20 | Rs. 20000/Kanal | Rs. 30000/Kanal |
| Utilization of Kitchen Waste as Organic Mannure | 20 | 05 | - | Rs. 3/kg |
| Value addition of Fruits | 25 | 20 | - | Rs. 500/trainee/month |

| | | | | |
|---|---|---|---|---|
| Knitting | 15 | 23 | - | Rs. 1000/trainee/month |
| Training and Pruning | 165 | 09 | - | Rs. 600/pruner/day |
| Cutting & Stitching | 25 | 37 | - | Rs. 6000/trainee/month |
| Preservation of Fruits and Vegetables | 23 | 28 | - | |
| Weaving New Technique with Modular Charka | 29 | 32 | - | |

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

### 10.2. Cases of large scale adoption
**(Please furnish detailed information for each case)**

A survey was conducted by the experts of the Kendra on the popularization and adaptation of University Spray Schedule for the control of insects/pests and diseases. It was observed that people are not following spray schedules properly which results in detoraton of quality and quantity of the produce and ultimately monitory loss to orchardists. Keeping all these facts in view, FLDs were conducted by the Kendra on application of spray schedule and the farmers practice as check at village Taibel and Dradekhover of District Srinagar. All the recommendations of spray schedule were properly followed under demonstrations. After collecting the results, it was observed that the quality and quantity was improved as compared to the check plots. Seeing the results of demonstration plots, the orchardists of the area were satisfied with the performance of demo plots particularly the quality (Size, Color) and increase in quantity forced them to follow the recommendations of spray schedule and farmers of these villages and adjoint areas now following not only the spray schedule but also other recommendations given time to time.

**Method Demonstration on Fungicide Spray**

### 10.3 Details of impact analysis of KVK activities carried out during the reporting period

KVK conducted a survey to analyze the impact of activities carried out during the reporting time in the six villages of the district where most of the activities were conducted. During the survey the opioners of the key informants like village heads (Namberdars), Sarpanches, Panches, Chowkidars, Farm Leaders, concerned farmers and knowledgeable persons of the villages were contacted. The impact analysis revealed that the KVK activities pertaining to popularization of SKUAST-K location specific Paddy varieties like SR-II, SR-IV and Jehlum had an appreciable impact. SR-II thrives well under water logged conditions and the average increase yield between local and said varieties was recorded more than 30%. Similarly Maize varieties shared an increase of 35% in yield as compared to local varieties. Fodder and Pulse varieties also shared tremendous potential so far yield and other characters are concerned. Different demonstration conducted on cultivation of exotic vegetables has shown fair results as farmers have started shifting of cultivation of exotic vegetables which fetches good price as compared to other vegetables. Impact of disease diagnostic visits was appreciated by providing timely intervention to the problems of the farmers. The impact of vocational training has also been analyzed which is good particularly in allied agriculture enterprises like mushroom cultivation, vermi-composting, dairy and poultry.

## 11.0 LINKAGES

### 11.1 Functional linkage with different organizations

| Name of organization | Nature of linkage |
|---|---|
| Department of Agriculture | Advisory & Cooperation<br>Participation in meetings and trainings. |
| Department of Horticulture | -do- |
| Department of Animal and Sheep Husbandry | -do- |
| SKUAST-K | Technology & Expertise |
| Nehru Yuva Kendra Sangstha | Sponsorship of training programmes |
| Lead Banks/NABARD /Social Welfare | Sponsored 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

### 11.2 List special programmes undertaken by the KVK, which have been financed by State Govt./Other Agencies : Nil

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

### 11.3 Details of linkage with ATMA:

a) Is ATMA implemented in your district **Yes**

| S. No. | Programme | Nature of linkage | Remarks |
|---|---|---|---|
| | | | |
| | | | |

### Coordination activities between KVK and ATMA during 2019-2020: Nil

| *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 | | | | |
| | FFS | | | | |
| **06** | **Publications** | | | | |
| | Video Films | | | | |
| | Books | | | | |
| | Extension Literature | | | | |
| | Pamphlets | | | | |
| | Others<br>News coverage | | | | |
| **07** | **Other Activities** | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

### 11.3 Give details of programmes implemented under National Horticultural Mission: Nil

| S. No. | Programme | Nature of linkage | Constraints if any |
|---|---|---|---|
| | | | |
| | | | |

### 11.5 Nature of linkage with National Fisheries Development Board: Nil

| S. No. | Programme | Nature of linkage | Remarks |
|---|---|---|---|
| | | | |
| | | | |

**11.6. Details of linkage with RKVY: Nil**

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

## 12. PERFORMANCE OF INFRASTRUCTURE IN KVK

**12.1 Performance of demonstration units (other than instructional farm): Nil**

| Sl. No. | Demo Unit (Mention the name of Demo Unit) | Year of estt. | Area | Details of production | | | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Produce | Qty. | Cost of inputs | Gross income | |
| | | | | | | | | | |
| | | | | | | | | | |

**12.2 Performance of instructional farm (Crops) including seed production: Nil**

| Name Of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Variety | Type of Produce | Qty. | Cost of inputs | Gross income | |
| Cereals | | | | | | | | | |
| Rice | | | | | | | | | |
| | | | | | | | | | |
| Pulses | | | | | | | | | |
| Pigeonpea | | | | | | | | | |
| Oilseeds | | | | | | | | | |
| | | | | | | | | | |
| Fibers | | | | | | | | | |
| | | | | | | | | | |
| Spices & Plantation crops | | | | | | | | | |
| | | | | | | | | | |
| Floriculture | | | | | | | | | |
| | | | | | | | | | |
| Fruits | | | | | | | | | |
| | | | | | | | | | |
| Vegetables | | | | | | | | | |
| | | | | | | | | | |
| Others (specify) | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**12.3 Performance of production Units (bio-agents / bio pesticides/ bio fertilizers etc.,) : Nil**

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

**12.4 Performance of instructional farm (livestock and fisheries production): Nil**

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

## 12.5 Utilization of hostel facilities: Nil

Accommodation available (No. of beds) =

| *Months* | *No. of trainees stayed* | *Trainee days (days stayed)* | *Reason for short fall (if any)* |
|---|---|---|---|
| April 2017 | | | |
| May 2017 | | | |
| June 2017 | | | |
| July 2017 | | | |
| August 2017 | | | |
| September 2017 | | | |
| October 2017 | | | |
| November 2017 | | | |
| December 2017 | | | |
| January 2018 | | | |
| February 2018 | | | |
| March 2018 | | | |

**12.6. Database management**

| *S. No* | *Database target* | *Database created by the KVK* |
|---|---|---|
| 01 | Data base of farmers | 1000 farmers |

## 12.7 Rainwater Harvesting

### Training programmes conducted using Rainwater Harvesting Demonstration Unit: Nil

| Date | Title of the training course | Client (PF/RY/EF) | No. of Courses | No. of Participants including SC/ST | | | No. of SC/ST Participants | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

### Demonstrations conducted using Rainwater Harvesting Demonstration Unit: Nil

| Date | Title of the Demonstration | Client (PF/RY/EF) | No. of Demos. | No. of Participants including SC/ST | | | No. of SC/ST Participants | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | Male | Female | Total | Male | Female | Total |
| | | | | | | | | | |
| | | | | | | | | | |
| | | | | | | | | | |

**Seed produced using Rainwater Harvesting Demonstration Unit: Nil**

| Name of the crop | Quantity of seed produced (q) |
|---|---|
| | |
| | |
| | |

**Plant materials produced using Rainwater Harvesting Demonstration Unit: Nil**

| Name of the crop | Number of plant materials produced |
|---|---|
| | |
| | |
| | |

**Other activities organized using Rainwater Harvesting Demonstration Unit: Nil**

| Activity | No. of visitors |
|---|---|
| Visit of farmers | |
| Visit of officials | |

## 13. FINANCIAL PERFORMANCE

### 13.1 Details of KVK Bank accounts

| Bank account | Name of the bank | Location | Account Number |
|---|---|---|---|
| With Host Institute | J &K Bank | H.S.H.S Srinagar | SB-19776 |
| With KVK | J &K Bank | H.S.H.S Srinagar | CD-1765 |

### 13.2 Utilization of KVK funds during the year 2019-2020 (in Lacs)

| S. No. | Particulars | Sanctioned (Lacs) | Released (Lacs) | Expenditure (Rs.) |
|---|---|---|---|---|
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | **154.00** | **154.00** | **154.00** |
| 2 | **Traveling allowances** | **1.20** | **1.20** | **1.20** |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | **11.00** | **11.00** | **11.00** |
| *B* | POL, repair of vehicles, tractor and equipments | | | |
| *C* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained) | | | |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | | | |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | | | |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | | | |
| *G* | Training of extension functionaries | | | |
| *H* | Maintenance of buildings | | | |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory | | | |
| *J* | Library | | | |
| *K* | IFS | | | |
| *L* | TIU (Publicity) | | | |
| **TOTAL (A)** | | **166.20** | **166.20** | **166.20** |

| | | | | |
|---|---|---|---|---|
| **B. Non-Recurring Contingencies** | | | | |
| 1 | **Works** | **0.00** | **0.00** | **0.00** |
| 2 | **Equipments including SWTL & Furniture** | **0.00** | **0.00** | **0.00** |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | **0.00** | **0.00** | **0.00** |
| 4 | **Library** (Purchase of assets like books & journals) | **0.00** | **0.00** | **0.00** |
| 5 | **Capital** | **1.50** | **1.50** | **1.50** |
| **TOTAL (B)** | | **1.50** | **1.50** | **1.50** |
| **C. REVOLVING FUND** | | **0.00** | **0.00** | **0.00** |
| **GRAND TOTAL (A+B+C)** | | **167.70** | **167.70** | **167.70** |

**13.3 Status of revolving fund (in Rs.) for the last six years:**

| Year | Opening balance as on 1st April | Income during the year | Expenditure during the year | Net balance in hand as on 1st April of each year |
|---|---|---|---|---|
| **April 2014 to March 2015** | **378518.40** | **152094.00** | **50000.00** | **480612.40** |
| **April 2015 to March 2016** | **480612.00** | **202532.00** | **6450.00** | **676694.40** |
| **April 2016 to March 2017** | **676694.40** | **60624.00** | **141300.00** | **596018.40** |
| **April 2017 to March 2018** | **596018.40** | **50644.70** | **339528.80** | **307134.30** |
| **April 2018 to March 2019** | **307134.30** | **412777.00** | **645700.00** | **74211.30** |
| **April 2019 to March 2020** | **74211.30** | **412763.00** | **343510.00** | **143464.30** |

**14. Details of HRD activities attended by KVK staff during 2019-2020: Nil**

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

**15. Details of Important Programs/Events conducted in KVKs during 2019-2020 (With 4-5 Photographs (JPEG Format).**
**(Please furnish detailed information for each Program/Event)**

A) The 15th Scientific Advisory Committee Meeting of Krishi Vigyan Kendra Srinagar was held on 11-04-2019 at KVK Campus under the chairmanship Worthy Director Extension, SKUAST-Kashmir Prof. Mushtaq Ahmad. Besides KVK staff, the meeting was attended by Prof. Sheikh Muzaffar Ahmad, Associate Director Extension, Dr Amal Sexena, Associate Director Coordination Cell KVKs, Officers of line departments and progressive farmers of the district. Senior Scientist and Head KVK Srinagar, Dr. Rekhi Singh presented the Annual Progress Report 2018-2019 and Annual Action Plan 2019-2020. The Worthy Chairman applauded the role of KVK in implementing the recommended technologies of SKUAST-Kashmir and stressed on taking need based technologies to farmer's field and making them aware about integrated farming system to double their income. The officers of line department and progressive farmers interacted with the scientists and appreciated the efforts of KVK for the farming community. On the occasion, the Worthy Director Extensio[illegible] released four publications on different crops.

B) Krishi Vigyan Kendra Srinagar celebrated EARTH DAY on 22nd of April, 2019 in Collaboration with Directorate of Extension, Dean Student's welfare, Faculty of horticulture SKUAST-Kashmir. The programme was sponsored by Ministry of Earth Sciences, Govt. of India, Prithvi Bhavan, New Delhi. About 150 students from different schools of Srinagar and faculty of horticulture participated in the event. The event started with painting and drawing competition on the theme "Protect our Species" with different topics viz: sustenance of various ecosystems, impact of climate change, deforestation and aforestation and their significance and sustainable use of natural resources. Three categories of students from primary class level, from 6th to 10th class and students from senior secondary and up to graduation level took part in the drawing and painting competition .Students with best drawing and painting were given cash prize as 1st, 2nd, 3rd and consolation prizes in each category by Hon'ble Vice Chancellor SKUAST-K, Prof. Nazeer Ahmed.

C) As a result of heavy snowfall in valley on 7th of November 2019 causing heavy damage to fruit trees. A survey of different villages of district Srinagar was conducted. The orchardists were contacted and they were given on spot advisory for immediate heavy pruning and repairing for broken branches of these fruit trees. Different villages were visited by KVK team and loss incurred was recorded. The statement and photographs are appended with for further information

KVK team demonstrating the joining the broken limbs of trees with iron nails, fixing of support and the application of Chabutia Paste to damaged apple trees at village Brain Srinagar

D) Kendra celebrated "World Soil Day" on 5th of December, 2019 at KVK Campus. 40 farmers from different villages of district Srinagar participated in the event. The Programme started with address of Dr Rekhi Singh, Senior Scientist and Head who stressed on the need of maintenance of soil health, causes of soil pollution and measures to maintain soil fertility for better crops which are in turn important for better human health. Dr. Uzma, SMS (Soil Science) stressed on the importance of different nutrients essential for plant growth and balanced use of fertilizer on soil test basis. 12 Soil Health Cards were distributed among the farmers in the said event


E) Kendra organized Swachhta Pakkwada w.e.f 16-31 December 2019 at various locations of the district in which date wise Action Plan activities were conducted in the said event.



F. Krishi Vigyan Kendra Srinagar conducted Skill Development Programme (200 hours) on "Broiler Farm Worker" which was started from 9th of January 2020 at KVK Campus in which 20 unemployed youth are being trained on Broiler Farming. A Poultry unit was also established for demonstration cum training for these participants. The participants are being trained to rear day old broiler chicks upto marketable age which includes feeding, watering, cleaning sheds, disinfection of sheds and other equipments for proper temperature, humidity and ventilation of the broiler shed.



G. Krishi Vigyan Kendra Srinagar conducted Skill Development Programme (200 hours) on "Mushroom Grower" which was started from 26th February 2020 at KVK Campus in which 20 unemployed youth are being trained on Scientific Mushroom Cultivation. A Mushroom unit is being established for demonstration cum training for these participants. They are being imparted skills in scientific growing of Mushroom from casing, piling, composting phase 1 and other related activities including field visits.



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