**PROPOSED ACTION PLAN OF KVKs FOR THE YEAR, 2024**

**(1stJanuary to 31stDecember 2024)**

1. GENERAL INFORMATION

1.1 Name of KVK – KVK, UJWA, DELHI

1.2. Status of KVK website: Yes

1.3 No. of Visitors (Hits) to KVK website (as on today) : 550650 as on 31.12.2023

1.4 Status of ICT lab at your KVK : No

1.5Details of Senior Scientist & Head

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Dr. D.K. Rana | Office | Mobile | Email |
| 9667971155 | 9310904705 | kvkujwa@yahoo.com |

1.6Date of establishment :1995

**1.7 Staff Position (as on 1 January, 2024)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Level of Pay** | **Present basic pay (Rs.)** | **Date of joining** | **Category (SC/ST/OBC/**  **Others)** |
| 1 | Sr. Scientist cum Head | Dr. D. K. Rana | Sr Sc.  & Head | Plant  Protection | L-13 A | 131400 | 26-11-23 | Other |
| 2 | Subject Matter  Specialist | Dr. Ritu Singh | SMS | Home  Science | L-10 | 92700 | 10.02.05 | Other |
| 3 | Subject Matter  Specialist | Dr. Rakesh Kumar | SMS | Horticulture | L-10 | 92700 | 22.09.05 | Other |
| 4 | Subject Matter  Specialist | Vacant | SMS | Plant  Protection | L-10 | - |  | Other |
| 5 | Subject Matter  Specialist | Dr. Samar Pal Singh | SMS | Agronomy | L-10 | 63100 | 25.05.18 | Other |
| 6 | Subject Matter  Specialist | Sh Kailash | SMS | Agriculture Extension | L-10 | 63100 | 27.06.18 | Other |
| 7 | Subject Matter  Specialist | Dr Jai Parkash | SMS | Animal Husbandry | L-10 | 56100 | 03.09.21 | Other |
| 8 | Programme Assistant | Sh. Brijesh Yadav | PA | Soil Science | L-6 | 46200 | 17.02.14 | Other |
| 9 | Computer  Programmer | Mrs. Manju | PA | Computer Science | L-6 | 55200 | 2.05. 08 | Other |
| 10 | Farm Manager | Sh. Ram Sagar | Farm Manager | Horticulture | L-6 | 38700 | 01.03. 19 | Other |
| 11 | Accountant / Superintendent | Sh. Subedar Pandey | OSCA | M Com | L-6 | 52000 | 24.03.21 | Other |
| 12 | Stenographer | Sh. Atma Ram | Stenographer cum Store Keeper | Stenographer | L-4 | 36400 | 10.02.05 | Other |
| 13 | Agromet Observer | Sh. Vishal | Agromet Observer | Higher Secondary | - | 6460 | 01.03.2019 | Other |
| 14 | Driver | Sh. Rajesh Kumar | Driver | Secondary | L-3 | 35000 | 02.02.05 | Other |
| 15 | Driver | Sh. Krishan | Driver | Secondary | L-3 | 32000 | 02.05.08 | Other |
| 16 | Supporting staff | Vacant | Attendant | - | - | - | - | - |
| 17 | Supporting staff | Vacant | Attendant | - | - | - | - | - |

**1.8 Infrastructure :**

**A) Buildings**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Name of building** | **Source of**  **funding** | **Stage** | | | | | |
| **Complete** | | | **Incomplete** | | |
| **Completion**  **Year** | **Plinth area (Sq.m)** | **Expenditure (Rs.)** | **Starting year** | **Plinth area**  **(Sq.m)** | **Status of construction** |
| 1. | Administrative  Building | ICAR | 17.2.2011 | 548.3 | 54,38,664/- | NA | - |  |
| 2. | Farmers Hostel | NIL | NIL |  |  |  |
| 3. | Staff Quarters (6) | NIL |  | NIL |  |  |  |  |
| 4. | Demonstration Units (2) |  |  |  |  |  |  |  |
|  | Pasteurized compost Mushroom unit | State Govt | 1998 | 250 m2 | 12,10,000/- |  |  |  |
|  | Vermicompost unit | Revolving Fund | 2019 | 500 m2 | 200000/- |  |  |  |
|  | Azolla unit | Revolving Fund | 2018 | 25 m2 | 25000/- |  |  |  |
|  | Insect proof net house | Revolving Fund | 2018 | 50 m2 | 125000/- |  |  |  |
|  | Apiculture | Revolving Fund | 2018 | 20 boxes | 100000/- |  |  |  |
|  | Kinnow&Aonla orchard | Revolving Fund | 2019 | 3.5 acre | 250000/- |  |  |  |
|  | Water harvesting | ICAR | 2017 | 200 m2 | 150000/- |  |  |  |
|  | Drip irrigation system | NHRDF | 2019 | 2 acres | 360000/- |  |  |  |
|  | Solar farm demonstration unit | NABARD & DTL GNCT, Delhi | 2021 | 2000 m2 | 1,03,25,000/- |  |  |  |
|  | AWS (DAMU) | IMD and ICAR | 2021 | 100 m2 | 10,00,000/- |  |  |  |
|  | Goat demonstration unit | Revolving Fund | 2022 | 50 m2 | 1,00,000/- |  |  |  |
| 1. 5 | Fencing |  | 2021 | NIL |  |  |  |  |
| 1. 6 | Rain Water harvesting system | NHRDF(MIDH) | 2022 | 300 m2 | 20,00,000/- |  |  |  |
| 1. 7 | Threshing floor | ICAR | 2011 | 222.3m2 | 1,92,031/- |  |  |  |
| 1. 8 | Farm Godown | ICAR | 2011 | 35.0m2 | 1,99,869/- |  |  |  |
|  | Dehumidified seed storage | NHRDF(MIDH) | 2022 | 30 m2 | 15,00,000/- |  |  |  |
| 1. 9 | Development of Organic farm | ICAR | 2018 | 0.4 ha | 15000/- |  |  |  |
| 1. 10 | Kitchen garden unit | Revolving Fund | 2021 | 200m2 | 100000/- |  |  |  |
| 1. 11 | Rooftop gardening | Revolving Fund | 2022 | 50m2 | 15000/- |  |  |  |
| 1. 12 | Insect proof net house | Revolving Fund | 2022 | 128 m2 | 200000/- |  |  |  |
| 1. 13. | Poultry Unit | Revolving Fund | 2023 | 50m2 | 50,000/- |  |  |  |
|  | Indigenous Cow | Revolving Fund | 2023 | 100m2 | 2,00,000/- |  |  |  |
|  | Natural Farming | ICAR | 2022 | 30 m2 | 2,00,000/- |  |  |  |
|  | CRM Demo Machine unit | ICAR | 2018-19 | 100 m2 | 12,50,0000 |  |  |  |
|  | Food Processing Unit | Revolving Fund | 2021-22 | 50 m2 | 1,00,000/- |  |  |  |
|  | Drumstick Orchard | Revolving Fund | 2021 | 0.4 ha. | 10,000/- |  |  |  |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Scooter | 1995 | 21818 | - | Not Working |
| Bike | 2002 | 47063 | - | Not Working |
| Jeep | 2017 | 8,00,000 | 102494 | Working |
| Tractor | 2017 | 7,00,000 | 2246 Hrs | Working |

**C) Equipment’s& AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| Seed drill | 1997 | 6150 | Good |
| Tractor trolley\* | 1998 | 11000 | Poor |
| Harrow | 1999 | 8600 | Good |
| Cultivator | 2002 | 10900 | Good |
| Mega phone | 2002 | 2100 | Poor |
| Tractor Trolly | 2002 | 52970 | Good |
| Video Camera\* | 2002 | 59990 | Poor |
| LCD Multimedia Projector | 2007 | 97000 | Good |
| Wheel Hand Hoe | 2007 | 400 | Good |
| Fertilizer Broadcaster | 2008 | 900 | Good |
| Juicer Mixer Grinder | 2009 | 2050 | Good |
| Printer | 2009 | 1850 | Poor |
| Stabilizer | 2009 | 26680 | Good |
| Water cooler | 2009 | 19700 | Poor |
| Camera | 2010 | 1000 | Good |
| Computer | 2010 | 25725 | Medium |
| Printer | 2010 | 7035 | Medium |
| Scanner\* | 2010 | 4148 | Poor |
| Speaker | 2010 | 1733 | Good |
| Computer | 2011 | 24210 | Good |
| Gardner Sprinkler | 2011 | 425 | Good |
| Generator | 2011 | 59000 | Good |
| Laptop | 2011 | 36170 | Good |
| Photocopier machine | 2011 | 35000 | Poor |
| Refrigerator | 2011 | 11200 | Good |
| Air conditioner | 2012 | 33975 | Good |
| B.O.D. incubator | 2012 | 107730 | Good |
| Colony counter | 2012 | 6156 | Good |
| Computer | 2012 | 34000 | Good |
| Double Wheel Berrow Trolly | 2012 | 4275 | Poor |
| EC meter | 2012 | 21038 | Good |
| Electric balance | 2012 | 42750 | Good |
| Flame photometer | 2012 | 60750 | Poor |
| Hot air oven | 2012 | 45016 | Good |
| Hygrometer | 2012 | 473 | Poor |
| Laminar flow | 2012 | 78874 | Good |
| Laptop | 2012 | 37000 | Good |
| Lawn mover | 2012 | 12915 | Good |
| Microscope | 2012 | 37822 | Good |
| pH meter | 2012 | 19687 | Good |
| Post hole digger | 2012 | 42748 | Good |
| Printer | 2012 | 5350 | Good |
| Refrigerator | 2012 | 32600 | Good |
| Room cooler | 2012 | 20402 | Good |
| Small autoclave | 2012 | 67280 | Good |
| Spectrophotometer | 2012 | 39150 | Good |
| Sprit lamp | 2012 | 157 | Good |
| Stabilizer | 2012 | 2000 | Good |
| Straw reaper cum trolly | 2012 | 342000 | Poor |
| Water distillation | 2012 | 25650 | Good |
| Weed cutter | 2012 | 24675 | Good |
| Zero till seed cum fertilizer | 2012 | 47500 | Good |
| UPS | 2013 | 2100 | Poor |
| Desert Cooler | 2014 | 25594 | Good |
| Finger print attendance machine | 2014 | 11250 | Good |
| Heat convector | 2014 | 1800 | Good |
| Mridaparikshak soil testing Mini Lab | 2015 | 75000 | Poor |
| Inverter set | 2016 | 24700 | Good |
| Planker (wood pata with chain) | 2016 | 8947 | Poor |
| Plastic palates | 2016 | 29560 | Good |
| Trolly | 2016 | 158832 | Good |
| Water cooler | 2016 | 20267 | Good |
| Air Conditioner | 2017 | 121600 | Good |
| Computer | 2017 | 80850 | Good |
| Cultivator | 2017 | 23800 | Good |
| Digital still camera | 2017 | 28000 | Good |
| Electronic balance | 2017 | 4000 | Good |
| Gramin GPS 72 H | 2017 | 9984 | Good |
| Harrow | 2017 | 57000 | Good |
| Head phone | 2017 | 400 | Good |
| LCD Multimedia projector | 2017 | 52490 | Good |
| Lecture stand | 2017 | 8000 | Good |
| LED TV | 2017 | 72000 | Good |
| Leveler | 2017 | 13000 | Good |
| Mridaparikshak soil testing Mini Lab | 2017 | 90300 | Poor |
| Printer | 2017 | 15044 | Good |
| Stabilizer | 2017 | 9000 | Good |
| UPS | 2017 | 4106 | Poor |
| Ceiling speakers | 2018 | 6018 | Good |
| Fire extinguisher | 2018 | 6372 | Good |
| Happy seeder 10 row | 2018 | 332640 | Good |
| Hydraulic reversible 2MB plough | 2018 | 135615 | Good |
| Mulcher single speed | 2018 | 336000 | Good |
| PA Microphone | 2018 | 3835 | Good |
| PA Mixture amplifier | 2018 | 8791 | Good |
| PA Wireless Microphone | 2018 | 5015 | Good |
| Printer | 2018 | 10400 | Good |
| Projector screen | 2018 | 16461 | Good |
| Shrub master | 2018 | 103040 | Good |
| TATA sky DTH connection | 2018 | 2530 | Good |
| UPS | 2018 | 4800 | Good |
| Wireless walkie phone\* | 2018 | 1750 | Good |
| Zero Till Seed cum Fertilizer Drill | 2018 | 183849 | Good |
| Bag Closer Machine | 2019 | 5040 | Good |
| Computer | 2019 | 107100 | Good |
| Desert cooler | 2019 | 10000 | Good |
| GPS Device Tracker\* | 2019 | 7000 | Good |
| Rotavator | 2019 | 220000 | Good |
| UPS | 2019 | 4300 | Good |
| Zero seed cum fertilizer drill | 2019 | 57000 | Good |
| CC TV Unit | 2020 | 244147 | Good |
| Directional leveler condenser microphone | 2020 | 949 | Good |
| Electric weighing machine | 2020 | 1200 | Good |
| Head phone | 2020 | 1050 | Good |
| Laptop | 2020 | 88500 | Good |
| Mobile Hand Set | 2020 | 15000 | Good |
| Plus Oximeter | 2020 | 700 | Good |
| Sanitizer stand | 2020 | 2124 | Good |
| Stand Holder for Mobile phone & Camera | 2020 | 699 | Good |
| Thermometer | 2020 | 1000 | Good |
| Water Tanker | 2020 | 86140 | Good |
| Webcam | 2020 | 2950 | Good |
| AV Aids Unit | 2021 | 112625 | Good |
| Brio Web Cam | 2021 | 23600 | Good |
| Camera Stand | 2021 | 885 | Good |
| Conference Speaker | 2021 | 16500 | Good |
| Printer | 2021 | 13405 | Good |
| Spray pump tractor mountain | 2021 | 40500 | Good |
| Telephone land line | 2021 | 2290 | Good |
| UPS | 2021 | 2350 | Good |
| Wifi Connection Unit | 2021 | 12502 | Good |
| LED TV | 2021 | 71240 | Good |
| EPBX Unit | 2022 | 54968 | Good |
| Telephone landline | 2022 | 1195 | Good |
| Carry goods rickshaw | 2022 | 12500 | Good |
| Vermicompost cleaning and processing power machine | 2022 | 39200 | Good |
| Water storage tanker | 2022 | 191160 | Good |
| Laptop | 2022 | 150000 | Good |
| Induction sealer machine | 2022 | 11800 | Good |
| Electronic weighing machine(100kg) | 2022 | 7316 | Good |
| Ac Dehumidified seed store | 2022 | 1000000 | Good |
| Weather Station Parameter Mounting | 2022 | 94400 | Good |
| RO | 2022 | 49000 | Good |
| Room Cooler | 2023 | 67800 | Good |

**1.9 Participation in ZAREC Meeting**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Date of ZAREC Meeting** | **Technology presented by KVK** | **Outcome of the Meeting** |
| **1** |  |  |  |
| **2** |  |  |  |
| **3** |  |  |  |

**1.10Proposed SAC meetings in the year**

|  |  |
| --- | --- |
| **Sl.No.** | **Date** |
| 1. Scientific Advisory Committee | February, 2024 |
| 2. Scientific Advisory Committee | November, 2024 |

**1.11Agriculture scenario of District (NCT, Delhi)**

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

|  |  |  |
| --- | --- | --- |
| S. No | Farming system/enterprise | Area (ha)/No |
| 1 | Rice –Wheat | 12000.00 |
| 2 | Fallow - Wheat | 12500.00 |
| 3 | Fallow – Mustard | 3710.00 |
| 4 | Vegetables - *Kharif* (Okra, Curcurbits, Cowpea and Palak) and *Rabi* (Cauliflower, Palak, Carrot, Radish etc.) | 23043.00 |
| 5 | Dairy (Unit) | 225 |
| 6 | Mushroom enterprise | 40 |
| 7 | Goat Farming (Unit) | 20 |
| 8 | Poultry | 15 |
| 9 | Processing | 60 |

1.11.2 Agro-climatic Zone & agro ecological situations (based on soil and topography)

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Agro-climatic Zone | Soil type and characteristics | Topography |
|  |  |  |  |
| 1 | Trans- Gangatic Plains région (Zone VI) | Sandy loam to sandy clay loam - Light to medium in texture, pH slightly saline with low organic matter content ( 0.2 to 0.4 %), low water holding capacity. Wide range of crops can be grown but constraint is saline water for irrigation. | The most of the topography of soils is plainof NCT Delhi. |

1.11.3 Major Soil Typesin NCT, Delhi

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Sandy loam to sandy clay loam | Sandy loam to sandy clay loam - Light to medium in texture, pH slightly saline with low organic matter content (0.2 to 0.4 %), low water holding capacity. Wide range of crops can be grown but constraint is saline water for irrigation | 47000.00 |

**1.11.4 Area, Production and Productivity of major crops cultivated in the district (2022)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (MT.) | Productivity (Q/ha) |
| 1 | Paddy | 6123.00 | 28530 | 46.59 |
| 2 | Wheat | 18090.00 | 81405 | 45.00 |
| 3 | Barley | 50.00 | 200 | 40.00 |
| 4 | Bajra | 1365.00 | 3750 | 27.47 |
| 5 | Maize | 20.00 | 102 | 51.00 |
| 6 | Jowar | 2890.00 | 2750 | 9.52 |
| 9 | Mustard | 3593.00 | 4527 | 12.60 |
| 10 | Vegetables | 23043.00 | 128500 | 152 |
| i. Okra | 10000.00 | 8000 | 80 |
| ii. Cucurbits | 6500.00 | 13000 | 200 |
| iii. Palak | 2500.00 | 26250 | 105 |
| iv.Cauliflower, Cabbage and Broccoli | 2500.00 | 56250 | 225 |
| v. Other Vegetables | 1500.00 | 25000 | 150 |
| vi. Fruits | 40.00 | 4404 | 110 |
| 11 | Flowers | 5995.00 | 50957 | 85 |

Source: Office of Joint Director (Agriculture), Development Department, GNCT- 2022.

**1.11.5 Weather parameters**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
| Maximum | Minimum | Maximum | Minimum |
| January 2023 | 33.4 | 24.5 | 1 | 97 | 35 |
| February 2023 | 0 | 34 | 7.2 | 98 | 25 |
| March 2023 | 105.4 | 34.5 | 12.9 | 98 | 34 |
| April 2023 | 11.8 | 40.8 | 13.8 | 91 | 16 |
| May 2023 | 118.3 | 44.2 | 15.8 | 98 | 20 |
| June 2023 | 139 | 42.5 | 20 | 98 | 26 |
| July 2023 | 163.6 | 38 | 23.8 | 100 | 49 |
| August 2023 | 121.5 | 36.9 | 23.7 | 100 | 46 |
| September 2023 | 78.5 | 38.5 | 19.4 | 100 | 29 |
| October 2023 | 4 | 37 | 14.8 | 90 | 40 |
| November 2023 | 12.4 | 31.6 | 8.2 | 100 | 41 |
| December 2023 | 0 | 26 | 3.9 | 100 | 100 |
| Total (Average) | 787.9 | 35.70 | 13.70 | 97.5 | 38.41 |

**Source: IMD and KVK DAMU unit**

**1.11.6 Livestock and Fisheries Production and productivity**

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Population | Production | Productivity |
| Cattle | 86433 |  |  |
| Crossbred | 47935 | 606232 L Milk | 12.65 L / Animal/ Day |
| Indigenous | 24498 | 97683 L Milk | 3.98 L / Animal/ Day |
| Buffalo | 162142 | 1286925 L Milk | 7.94 L / Animal/ Day |
| Sheep | 932 |  |  |
| Crossbred | 654 | 9425 Kg/ Meat | 14.4 Kg/ Animal |
| Indigenous | 278 | 3529 Kg/ Meat | 12.6 Kg/ Animal |
| Goats | 30470 | 262042 Kg/ Meat | 8.6 Kg/ Animal |
| Pigs | 76346 | Data not Available | Data not Available |
| Crossbred | 8581 |
| Indigenous | 67765 |
| Rabbits | 6706 |
| Poultry | 44000 | 58225 Kg/ Meat | 1.33 Kg/ Bird |
|  | | | |
| Hens | 32202 | Data not Available | Data not Available |
| Desi | 20530 |
| Improved | 2667 |
| Ducks | 2140 |
| Turkey and others | 1329 |

|  |  |  |  |
| --- | --- | --- | --- |
| Category | Area | Production | Productivity |
| Fish | | | |
| *Marine* |  |  |  |
| *Inland* | 4000 Ha | 70010 ton/year | 0.178 ton/ha/year |
| Prawn | Data not Available | | |
| Scampi |
| Shrimp |  |  |  |

**Source: Development Department, GNCT-2022**

\*Statistical report

**1.11.7 Details of Operational area / Villages**

| **Taluka** | **Block** | **Village** | **Total population** | **No. of farm households** | **Distribution of farmers according to size of land holdings** | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **L** | **M** | **S** | **M** | **Total** |
| Kapashera | Kapashera | Kaganheri | 6500 | 1000 | 80 | 160 | 560 | 200 | 1000 |
| Badusarai | 2500 | 500 | 30 | 50 | 170 | 250 | 500 |
| Kanjawala | Kanjawala | Jaunti | 6000 | 750 | 60 | 180 | 380 | 130 | 750 |
| Alipur | Alipur | Ghoga | 7000 | 1600 | 160 | 160 | 980 | 300 | 1600 |

**1.11.8 Cropping Patterns & Problems**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Taluka** | **Block** | **Village** | **Major crop/ enterprise** | **PRA completed on date** | **Problem identified** | **Ranking of problems** |
| **Kapashera** | **Kapashera** | **Kanganheri** | ***Kharif***– Palak, Okra Bottle gourd, Sponge gourd, Cowpea, Paddy etc  ***Rabi*** –Wheat, Mustard, Pea, Coriander, cauliflower, Palak, Radish , Carrot, Onion  **Zaid-** Okra, Tomato and Cucurbits | **27-28/12**/**2023** | * Red Spider mite, White and Fruit Fly infestation in Okra * Root and Stem rot in Bottle gourd * Multi-nutrients (S, Bo, Ca)deficiency invegetables. * Over dose of insecticides in Okra for pest management * Weeds problem in whea**t** crop * Imbalance use of fertilizers in vegetables. * Imbalance use of fertilizers in field crops * No seed treatment * Post-harvest losses in vegetables * Malnutrition in farm families | 1. Red Spider mite, White and Fruit Fly infestation in Okra 2. Root and Stem rot in Bottle gourd 3. Multi-nutrients (S, Bo, Ca)deficiency in vegetables. 4. Over dose of insecticides in Okra for pest management 5. Weeds problems in whea**t** crop 6. Imbalance use of fertilizers in vegetables crops. 7. Imbalance use of fertilizers in field crops 8. No seeds treatment 9. Post harvest losses in vegetables 10. Malnutrition in farm families |
|  |  | **Badusarai** | ***Kharif***– Palak, Okra Bottle gourd, Sponge gourd, Cowpea, Paddy etc  ***Rabi*** –Wheat, Mustard, Pea, Coriander, cauliflower, Palak, Radish Carrot, Onion  **Zaid-** Okra, Tomato and Cucurbits | **27-28/12/2023** | * Red Spider mite, White and Fruit Fly infestation in Okra * Root and Stem rot in Bottle gourd * Multi-nutrients (S, Bo, Ca ) deficiency in vegetables.. * Over dose of insecticides in Okra for pest control * Imbalance use of fertilizers in vegetables crops. * Imbalance use of fertilizers in field crops * No seeds treatment * Post-harvest losses in vegetables * Malnutrition in farm families | 1. Red Spider mite, White and Fruit Fly infestation in Okra 2. Root and Stem rot in Bottle gourd 3. Multi-nutrients (S, Bo, Ca ) deficiency in vegetables. 4. Over dose of insecticides in Okra for pest control. 5. Imbalance use of fertilizers in vegetables crops. 6. Imbalance use of fertilizers in field crops 7. No seeds treatment 8. Post harvest losses in vegetables 9. Malnutrition in farm families |
| **Kanjawala** | **Kanjawala** | **Jaunti** | ***Kharif* –** Palak**,** Sorghum (fodder), Bajra,  ***Rabi*:** Carrot, Wheat, Mustard, Spinach, Cauliflower, Radish | **22-23/12/2023** | * Rotting, spotting and nutrition disorder in Carrot * Imbalance use of fertilizers in field crops and vegetables * Weeds problems in wheat * Multi nutrients (S, Bo, Ca) deficiency * Severe infestation of insects –pests in vegetables Problem of saline water * Malnutrition in farm families | 1. Rotting, spotting and nutrition disorder in Carrot 2. Imbalance use of fertilizers in field crops and vegetables 3. Weeds problems in wheat 4. Multi nutrients (S, Bo, Ca) deficiency 5. Severe infestation of insects –pests in vegetables 6. Problem of saline water  * Malnutrition in farm families |
| **Alipur** | **Alipur** | **Ghoga** | ***Kharif* –**Paddy, Okra, Tomato, Sponge gourd and Sorghum  ***Rabi* -**Wheat, Mustard, Pea, Tomato, Cauliflower, Cabbage Spinach, & Pea  **Summer-** Okra, Tomato,Cucurbits, Radish  **Enterprises:**  Vegetables, Nursery raising | **29-30/12/2023** | * Red spider mite whitefly, thrips and fruit fly problem in Okra * Problem of stem borer and bakane disease in paddy crop * Leaf curl and nutritional disorder in Tomato * Nutritional deficiency in onion, cucurbits & okra * Wilting and powdery mildew in Pea * Post-harvest losses in vegetables * Malnutrition in farm families | 1. Red Spider mite whitefly thrips and fruit fly problem in Okra 2. Problem of stem borer and bakane disease in paddy crop 3. Leaf curl and nutritional disorder in Tomato 4. Nutritional deficiency in onion, cucurbits & okra 5. Wilting and powdery mildew in Pea 6. Post harvest losses in vegetables |

**1.11.9 Livestock**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Taluka** | **Block** | **Village** | **Major crop/ enterprise** | **PRA completed on date** | **Problem identified** | **Ranking of problems** |
| Kapashera | Kapashera | Kaganheri | Livestock | 27-28/12/2023 | 1. Repeat Breeding (Anestrous) 2. Agalactia 3. Unawareness regarding Vaccination (FMD+HS) 4. Feeding Management 5. Deworming | 1. Repeat Breeding (Anestrous) 2. Agalactia 3. Unawareness regarding Vaccination (FMD+HS) 4. Deworming 5. Feeding Management |
| Badusarai | Livestock | 27-28/12/2023 | 1. Repeat Breeding 2. Mastitis 3. Unawareness regarding Vaccination (FMD+HS) | 1. Repeat Breeding 2. Unawareness regarding Vaccination (FMD+HS) 3. Mastitis |
| Kanjawala | Kanjawala | Jaunti | Livestock | 22-23/12/2023 | 1. Repeat Breeding 2. Agalactia 3. Unawareness regarding deworming and Vaccination (FMD+HS) 4. Mastitis | 1. Repeat Breeding 2. Unawareness regarding deworming and Vaccination (FMD+HS) 3. Mastitis 4. Agalactia |
| Alipur | Alipur | Ghoga | Livestock | 29-30/12/2023 | 1. Repeat Breeding 2. Agalactia (Newly Parturition) 3. Unawareness regarding Vaccination (FMD+HS) | 1. Repeat Breeding 2. Unawareness regarding Vaccination and deworming (FMD+HS) 3. Agalactia |

**1.11.10 Fisheries - NIL**

**1.11.11 Thrust area (Give in the order or priority)**

|  |  |
| --- | --- |
| **Crop/Enterprise** | **Thrust area** |
| Okra | Integrated nutrient management, Integrated pest management and Integrated disease management |
| Cauliflower | Integrated nutrient management, Integrated pest management and Integrated disease management |
| Carrot | Integrated nutrient management, Integrated pest management and Integrated disease management |
| Onion | Integrated nutrient management, Integrated pest management and Integrated disease management and varietal evaluation |
| Cabbage | Integrated nutrient management, Integrated pest management and Integrated disease management and varietal evaluation |
| Paddy | Nutrient and weed management and IDM, IPM |
|  |  |
| Wheat | Resources conservation techniques-zero tillage, weed management / pest management and soil fertility management, |
| Mustard | Integrated nutrient management, Integrated pest management and Integrated disease management |
| Dairy Farming | Feeding and disease management. |
| Women in Agriculture | Women empowerment through strengthening of SHG’s, preservation & processing of fruits & vegetables, promotion of nutritional garden in rural areas, terrace gardening in urban. |
| Agri-based enterprise | Capacity building of rural youth in agri and allied vocations for self-employment and enterprise establishment (value addition, dairy farming, goat farming, gardening &nursery raising of horticultural crops, mushroom farming, vermi –composting, organic farming & Bee keeping) |

**1.11.12 Details of PRA/Problem identification exercise**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Village/ Block** | **Period/months of PRA** | **Sample size** | **Agency/ person who did PRA** | **Ranking of problem** | **Score of problem**  **(Out of 10)** |
| 1. Kaganheri (Kapashera Block) | December, 2023 | 12 | KVK Specialists (Dr. Rakesh Kumar (SMS-Horti), Dr. Samar Pal Singh, SMS (Agro), Dr. Jai Parkash, (SMS-AH) and Kailash (SMS-AE) | * Red Spider mite, White fly and Fruit Fly infestation in Okra * Root and Stem rot in Bottle gourd * Multi-nutrients in vegetables. * Cultivation low yielding varieties of vegetables * Over dose of insecticides in Okra for pest control * Weedsproblem in wheat crop * Imbalance use of fertilizersvegetables crops. * Imbalance use of fertilizers in field crops * No seed treatment * Repeat Breeding (Anestrous) * Agalactia * Unawareness regarding Vaccination (FMD+HS) * Feeding Management * Deworming * Malnutrition in farm families | 09  07  07  05  09  08  07  07  09  09  07  08  07  5 |
| 1. Badusarai (Kapashera) | December, 2023 | 10 | * Red Spider mite, White fly and Fruit Fly infestation in Okra * Root and Stem rot in Bottle gourd * Multi-nutrients in vegetables. * Over dose of insecticides in Okra for pest control * Imbalance use of fertilizers in vegetables crops. * Imbalance use of fertilizers in field crops * No seeds treatment * Repeat Breeding * Mastitis * Unawareness regarding Vaccination (FMD+HS) * Malnutrition in farm families | 09  07  07  05  09  08  07  09  08  07 |
| 1. Jaunti (Kanjawala Block) | December, 2023 | 16 | * Rotting, spotting and nutrition disorder in Carrot * Imbalance use of fertilizers * Weeds problems in wheat * Micro nutrients deficiency * Severe infestation of insects –pests in vegetables * Repeat Breeding * Agalactia * Unawareness regarding deworming and Vaccination (FMD+HS) * Mastitis | 09  07  07  05  09  08  07  08  07  09 |
| 1. Ghoga (Alipur Block) | December, 2023 | 16 | * Red spider mite whitefly, thrips and fruit fly problem Okra * Problem of stem borer and bakane disease in paddy crop * Leaf curl and nutritional disorder in Tomato * Nutritional deficiency in onion, cucurbits & Okra * Wilting and powdery mildew in Pea * Repeat Breeding * Agalactia (Newly Parturition) * Unawareness regarding Vaccination (FMD+HS) | 09  07  07  05  09  08  08  07  08  07 |

**2. TECHNICAL PROGRAMME**

**2.1 Targeted mandatory activities by KVK**

|  |  |  |
| --- | --- | --- |
|  | **No.** | **Farmers** |
| OFT | 06 | 30 |
| FLD | 11 | 225 |
| Trainings | 65 | 1315 |
| Extension Activities | 1598 | 6420 |

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Seed Production (Qtl.) | Planting material (Nos.) | Fish seed prod. (Nos) | Livestock production (No.) | Soil/water Samples |
| 170.00 | 72000 & 25.00 Q | - | 6 | 600 |

**2.2 Abstract on the number of technologies to be assessed in respect of crops (kharif/rabi)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Kitchen garden** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation |  | 1 |  |  | 1 |  |  |  |  | 2 |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 1 |  |  |  |  |  |  |  |  | 1 |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  | 1 |  |  |  |  | 1 |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Drudgery reduction |  |  |  |  |  |  |  |  |  |  |
| Farm machineries |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology |  |  |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |  |  |
| Value addition | 1 |  |  |  |  |  |  |  |  | 1 |
| **TOTAL** | 2 | 1 |  |  | 2 |  |  |  |  | 5 |

**2.3 Abstract on the number of technologies to be assessed in respect of livestock / enterprises (kharif/rabi)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Sheep** | **Goat** | **Piggery** | **Wormi culture** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds |  |  |  |  |  |  |  |  |
| Nutrition Management |  |  |  |  |  |  |  |  |
| Disease of Management | 1 |  |  |  |  |  |  | 1 |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** | **1** |  |  |  |  |  |  | **1** |

**2.4 Frontline Demonstrations**

A. Details of FLDs to be organized –

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Seed arranged in quality | Source of seed | Nodal person with contact no. | Village | Block/Taluka |
| 250 kg | CCSHAU Hissar | Dr. Samarpal Singh, 8887869369 | Dhansa, Malikpur, Kazipur, Jounti, Ghoga, Kaganheri etc. | Najafgarh , Kanjhawla |

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/  demon. | Parameters identified |
| 1 | Marigold | Punjab Gainda-1 | Varietal Evaluation | Improved Variety of marigold | Seeds/seedlings | *Kharif* 2024 | 0.1 | 10 | Yield kg/ha.  Economics- Rs/ha  BC ratio |
| 2 | Marigold | Pusa Narangi | Varietal Evaluation | Improved Variety of marigold | Seeds/seedlings | *Kharif* 2024 | 0.1 | 10 | Yield kg/ha.  Economics- Rs/ha  BC ratio |
| 3 | Bajra | AHB 1200Fe | Nutrition Security | Promotion of biofortified variety | Seeds | *Kharif* 2024 | 4.00 | 10 | Yield and yield attributes,  Economics- Rs/ha  BC ratio |
| 4 | Mustard | RH 1424 | ICM | Newly released improved variety+ Seed treatment+ Nutrient management and Weed management | Seed, sulphur, bio-fertilizer, fungicide, insecticide &*Trichoderma viridi* | *Rabi- 2024* | 50 | 125 | Yield and yield attributes,  Economics- Rs/ha  BC ratio |
| 5 | Wheat | HD 3226 | ICM | Improved variety+ Seed treatment+ Nutrient management and Weed management | Seeds | *Rabi* | 4.00 | 10 | Yield and yield attributes,  Economics- Rs/ha  BC ratio |
| 6 | Pea | Pusa Pragati | INM | RDF + 30 kg S/ ha at sowing time | Sulphur | *Rabi* 2024 | 4.00 | 10 | Yield and yield attributes,  Economics- Rs/ha  BC ratio |
|  |  |  |  |  | **Total** |  | **62.02 ha** | **175** |  |

**2.5 Sponsored Demonstration**

|  |  |  |
| --- | --- | --- |
| **Crop** | **Area (ha)** | **No. of farmers** |
|  |  |  |

**2.5.1. Extension and Training activities under FLDs**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Activity** | **No. of activities** | **Month** | **Number of participants** |
| 1 | Field days | 5 | March-2024  September, 2024  November 2024  Feb.-2025, | 200 |
| 2 | Farmers Training | 5 | March-2024, May-2024, July- 2024, October- 2024, November- 2024, | 135 |
| 3 | Media coverage | 2 | March 2024  November 2024 | - |
| 4 | Training for extension functionaries |  |  |  |

**2.5.2. Details of FLD on Enterprises**

**(i) Nutritional Kitchen Gardening**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the implement** | **Crop** | **Season and year** | **No. of farmers** | **Area (ha)** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Nutritional Kitchen Gardening | Kitchen gardening | *Kharif* | 10 | 200 m2 | Seeds, seedlings, *Trichoderma viridi*&vermicompost | Quality of produce,  Saving, Health parameters |
| Nutritional Kitchen Gardening | Kitchen gardening | *Rabi* | 10 | 200 m2 | Seeds, seedlings, *Trichoderma viridi*&vermicompost | Quality of produce,  Saving, Health parameters |
| Promotion of terrace gardening in urban areas | Seasonal vegetables & fruits | *Rabi* | 10 | 50 m2 | Seeds, seedlings, *Trichoderma viridi*&vermi compost | Quality of produce,  Saving, Health parameters |

**2.5.3 Field days at FLDs**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Crop** | **Season** | **Probable date of Field day** | **Likely participation** | **Village/ Block** | **Nodal officer** |
|
| Mustard (2) | *Rabi* | 22/02/2025 | 80 | Dhansa | SMS (Agro) |
| Marigold | *Kharif* | 05/11/2024 and 07/11/2024 | 30 | Khar-Khari and Kaganheri | SMS (Horti) |
| Wheat (2) | *Rabi* | 18 and 20/03/2024 | 80 | Dariyapur and Jhuljhul | SMS (AE) |
| Pea | *Rabi* | 24/02/2025 | 30 | Ghoga | SMS (Horti) |
| Nutritional Kitchen Garden | *Rabi* | 10/12/2024 | 30 | Pandwala Kalan | SMS (HS) |

**2.5.4 Livestock Enterprises**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enterprise** | **Breed** | **No. of farmers** | **No. of animals, poultry birds/ha. etc.** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Livestock | Buffalo /Cow | 10 | 10 | Use of Herbal Uterine Cleanser | Time required for expulsion of placenta,  Disappearance of lochial discharge  Appearance of first post partum heat |
| Livestock | Buffalo | 10 | 10 | Herbal Galactogogues | Milk Yield ltr/ animal  Adoption %age |

2.5.5 FLDs on nutri-garden/nutrition

**i. Nutritional Kitchen Gardening**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the Enterprise** | **Crop** | **Season and year** | **No. of farmers** | **Area (ha)** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**3.0 On Farm Trials**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **OFT Title** | **Crop/ Commodity** | **Addressing which thrust area** | **Solving which farmer problem identified in PRA** | **Recommendations of ZAREC/ any other institutional set up** | **Source of Technology** | **Critical input sourcing** | **Nodal officer with contact details** |
| 1. | Assessment of broad Spectrum herbicides for weed management in Wheat (*Triticum aestivum* L.). | Wheat | Weed management | Low yield of wheat due to weeds problems |  | ICAR-DWR,  Jabalpur | Market | Dr. Samarpal Singh, 8887869369 |
| 2. | Assessment  of salt  tolerant  varieties of  mustard | Mustard | Varietal evaluation | Low yield of mustard due to saline irrigation water |  | ICAR -  CSSRI,  Karnal | ICAR -  CSSRI,  Karnal | Sh. Brijesh Yadav , 8178929760 |
| 3. | Assessment of productive & reproductive performance of buffaloes (*Bubalus bubalis*) after herbal supplementation | buffaloes | Animal Husbandry | Problem of repeat breeding & low milk yield in buffaloes |  | CoVAS, Proddatur, AP | Market | Dr. Jai Parkash 9813803111 |
| 4. | Assessment of value added soft Bajra atta for chapati making | Pearl Millet | Value Addition | Poor dough and chapatti making quality of pearl millet |  | ICAR-IARI, New Delhi | Developed Soft Bajra atta, Bajra atta | Dr. Ritu Singh, SMS (HS)  9818550652 |
| 5. | Assessment of foliar application of nutrients in Cauliflower (Brassica oleracea var. botrytis L.) for quality and productivity | Cauliflower | INM | Buttoning and micronutrient deficiencies. |  | ICAR-IARI New Delhi | Urea and Multiplex | Dr. Rakesh Kumar, SMS(Hort.)  9313047633 |
| 6. | Assessment*of* different insecticides against mites infesting in okra | Okra | IPM | Red spider mite |  | IIHR, Bangalore | Fenazaquin 10 EC | Dr. Rakesh Kumar, SMS  (Hort.)9313047633 |

\* In one season maximum 4 OFTs may be planned. Must address large area and severest of problem.

\*\* No inbreeding of technologies in OFT

\*\*\* Unit level data to be provided for each farmers field/OFT

**4.0 FLD (separate for Kharif/Rabi/Summer)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety on Tech. of FLD** | **Area (ha)** | **No. of farmers** | **Need for FLD (Recommendations)** | **Source of seed** | **Other critical inputs** | **Nodal officer with contact details** |
|  | Kharif- Marigold | Punjab Gainda-1 | 0.1 | 10 | Varietal Evaluation | PAU, Punjab | Seeds/seedlings | Dr. Rakesh Kumar, 9313047633 |
|  | Rabi - Mustard | RH 1424 | 50 | 125 | To increase the production and productivity of mustard | CCSHAU Hissar | Seed, sulphur, bio-fertilizer, fungicide, insecticide &*Trichoderma* | Dr. Samarpal Singh 8887869369 |
|  | Nutritional Kitchen Gardening | Kitchen gardening | 10 | 0.2 | Nutritious food |  | Seeds, seedlings, *Trichoderma viridi*&vermicompost | Dr. Ritu Singh, 9818550652 |
|  | Promotion of terrace gardening in urban areas | Seasonal vegetables & fruits | 10 | 0.02 | Nutritious |  | Seeds, seedlings, *Trichoderma viridi*&vermi compost | Dr. Rakesh Kumar, 9313047633 |
|  | Marigold | Pusa Narangi | 0.1 | 10 | Varietal Evaluation | IARI, Delhi | Seeds/seedlings | Dr. Rakesh Kumar, 9313047633 |
|  | Bajra | AHB 1200Fe | 4.0 | 10 | Promotion of biofortified variety | MAU, Parbhani, MH | Seeds | Dr. Ritu Singh, 9818550652 |
|  | Wheat | HD-3226 | 4.0 | 10 | Improved variety+ Seed treatment+ Nutrient management and Weed management | IARI, Pusa, Delhi | Seeds | Dr. Samarpal Singh 8887869369 |
|  | Pea | Pusa pragati | 4 | 10 | RDF + 30 kg S/ ha at sowing time | - | Sulpher | Dr. Rakesh Kumar, 9313047633 |

* 1. **Training (Including the sponsored and FLD training programmes):**

**5.1 ON Campus**

| **Thematic Area** | | **No. of Courses** | | | **No. of Participants** | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | | **SC/ST** | | | | | | **Grand Total** |
| **Male** | | **Female** | | **Total** | **Male** | | **Female** | | **Total** | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | | | |
| Weed Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Resource Conservation Technologies | |  | | |  | |  | |  |  | |  | |  | |  |
| Cropping Systems | |  | | |  | |  | |  |  | |  | |  | |  |
| Crop Diversification | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| Integrated Farming | |  | | |  | |  | |  |  | |  | |  | |  |
| Water management | |  | | |  | |  | |  |  | |  | |  | |  |
| Seed production | |  | | |  | |  | |  |  | |  | |  | |  |
| Nursery management | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Crop Management | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| Fodder production | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of organic inputs | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| **II Horticulture** | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of low volume and high value crops | |  | | |  | |  | |  |  | |  | |  | |  |
| Off-season vegetables | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| Nursery raising | |  | | |  | |  | |  |  | |  | |  | |  |
| 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 | |  | | |  | |  | |  |  | |  | |  | |  |
| Cultivation of Fruit | |  | | |  | |  | |  |  | |  | |  | |  |
| Management of young plants/orchards | |  | | |  | |  | |  |  | |  | |  | |  |
| Rejuvenation of old orchards | |  | | |  | |  | |  |  | |  | |  | |  |
| Export potential fruits | |  | | |  | |  | |  |  | |  | |  | |  |
| Micro irrigation systems of orchards | |  | | |  | |  | |  |  | |  | |  | |  |
| Plant propagation techniques | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| **c) Ornamental Plants** | |  | | |  | |  | |  |  | |  | |  | |  |
| Nursery Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Management of potted plants | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| 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 | | 1 | | | 15 | | - | | 15 | 15 | | - | | 5 | | 20 |
| Soil and Water Conservation | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Nutrient Management | | 1 | | | 15 | | - | | 15 | 5 | | - | | 5 | | 20 |
| Production and use of organic inputs | |  | | |  | |  | |  |  | |  | |  | |  |
| Management of Problematic soils | |  | | |  | |  | |  |  | |  | |  | |  |
| Micro nutrient deficiency in crops | |  | | |  | |  | |  |  | |  | |  | |  |
| Nutrient Use Efficiency | |  | | |  | |  | |  |  | |  | |  | |  |
| Soil and Water Testing | | 1 | | | 15 | | - | | 15 | 5 | | - | | 5 | | 20 |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | |
| Dairy Management | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| Poultry Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Piggery Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Rabbit Management/goat | |  | | |  | |  | |  |  | |  | |  | |  |
| Disease Management | | 1 | | | 15 | | 0 | | 15 | 5 | | 0 | | 5 | | 20 |
| 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 | | 1 | | | - | | 15 | | 15 | - | | 5 | | 5 | | 20 |
| Minimization of nutrient loss in processing | |  | | |  | |  | |  |  | |  | |  | |  |
| Gender mainstreaming through SHGs | |  | | |  | |  | |  |  | |  | |  | |  |
| Storage loss minimization techniques | |  | | |  | |  | |  |  | |  | |  | |  |
| Value addition | | 1 | | | - | | 15 | | 15 | - | | 5 | | 5 | | 20 |
| 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 |  | |  |  | |  | |  | | |  | |  | |  | |
| Small tools and implements |  | |  |  | |  | |  | | |  | |  | |  | |
| Production of livestock feed and fodder |  | |  |  | |  | |  | | |  | |  | |  | |
| Production of Fish feed |  | |  |  | |  | |  | | |  | |  | |  | |
| **X Capacity Building and Group Dynamics** |  | |  |  | |  | |  | | |  | |  | |  | |
| Leadership development |  | |  |  | |  | |  | | |  | |  | |  | |
| Group dynamics | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| Formation and Management of FPO / SHGs |  | |  |  | |  | |  | | |  | |  | |  | |
| Mobilization of social capital |  | |  |  | |  | |  | | |  | |  | |  | |
| Entrepreneurial development of farmers/youths | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| WTO and IPR issues |  | |  |  | |  | |  | | |  | |  | |  | |
| **XI Agro-forestry** |  | |  |  | |  | |  | | |  | |  | |  | |
| Production technologies |  | |  |  | |  | |  | | |  | |  | |  | |
| Nursery management |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Farming Systems |  | |  |  | |  | |  | | |  | |  | |  | |
| **XII Others (Pl. Specify)** |  | |  |  | |  | |  | | |  | |  | |  | |
| **TOTAL** | **15** | | **195** | **30** | | **225** | | **75** | | | **10** | | **75** | | **300** | |
| **(B) RURAL YOUTH** |  | |  |  | |  | |  | | |  | |  | |  | |
| Mushroom Production | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| Bee-keeping | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| Integrated farming | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| Seed production |  | |  |  | |  | |  | | |  | |  | |  | |
| Production of organic inputs |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Farming (Medicinal) |  | |  |  | |  | |  | | |  | |  | |  | |
| Planting material production |  | |  |  | |  | |  | | |  | |  | |  | |
| Vermi-culture | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| Sericulture |  | |  |  | |  | |  | | |  | |  | |  | |
| Protected cultivation of vegetable crops |  | |  |  | |  | |  | | |  | |  | |  | |
| Commercial fruit production |  | |  |  | |  | |  | | |  | |  | |  | |
| Repair and maintenance of farm machinery and implements |  | |  |  | |  | |  | | |  | |  | |  | |
| Nursery Management of Horticulture crops | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| Training and pruning of orchards |  | |  |  | |  | |  | | |  | |  | |  | |
| Value addition | 1 | | 10 | 10 | | 20 | | 1 | | | 4 | | 5 | | 25 | |
| Production of quality animal products |  | |  |  | |  | |  | | |  | |  | |  | |
| Dairying | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| Sheep and goat rearing | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| 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 | 2 | | 5 | 20 | | 25 | | 0 | | | 10 | | 10 | | 35 | |
| Post Harvest Technology |  | |  |  | |  | |  | | |  | |  | |  | |
| Tailoring and Stitching |  | |  |  | |  | |  | | |  | |  | |  | |
| Rural Crafts |  | |  |  | |  | |  | | |  | |  | |  | |
| Other – Organic Farming | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| **TOTAL** | **11** | | **135** | **30** | | **165** | | **41** | | | **14** | | **55** | | **220** | |
| **(C) Extension Personnel** |  | |  |  | |  | |  | | |  | |  | |  | |
| Productivity enhancement in field crops |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Pest Management |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Nutrient management |  | |  |  | |  | |  | | |  | |  | |  | |
| Rejuvenation of old orchards |  | |  |  | |  | |  | | |  | |  | |  | |
| Protected cultivation technology | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| Formation and Management of SHGs |  | |  |  | |  | |  | | |  | |  | |  | |
| Group Dynamics and farmers organization |  | |  |  | |  | |  | | |  | |  | |  | |
| Information networking among farmers |  | |  |  | |  | |  | | |  | |  | |  | |
| Capacity building for ICT application | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| Care and maintenance of farm machinery and implements | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| WTO and IPR issues |  | |  |  | |  | |  | | |  | |  | |  | |
| Management in farm animals | 1 | | 15 | 0 | | 15 | | 5 | | | 0 | | 5 | | 20 | |
| Livestock feed and fodder production |  | |  |  | |  | |  | | |  | |  | |  | |
| Household food security | 2 | | - | 40 | | 40 | | - | | | 10 | | 10 | | 50 | |
| Women and Child care |  | |  |  | |  | |  | | |  | |  | |  | |
| Low cost and nutrient efficient diet designing | 1 | | - | 20 | | 20 | | - | | | 5 | | 5 | | 25 | |
| Production and use of organic inputs |  | |  |  | |  | |  | | |  | |  | |  | |
| Gender mainstreaming through SHGs |  | |  |  | |  | |  | | |  | |  | |  | |
| Any other (Pl. Specify) Organic Farming | 1 | | 15 | - | | 15 | | 5 | | | - | | 5 | | 20 | |
| **TOTAL** | **8** | | **75** | **60** | | **135** | | **25** | | | **15** | | **40** | | **175** | |
| **G. Total** | **34** | | **405** | **120** | | **525** | | **141** | | | **39** | | **170** | | **695** | |

**5.2 OFF Campus**

| **Thematic Area** | **No. of Courses** | | | **No. of Participants** | | | | | | | | | | | | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | | | | **SC/ST** | | | | | | | | | | **Grand Total** | |
| Male | Female | | | Total | Male | | Female | | | Total | | | | |  | |
| **(A) Farmers & Farm Women** | | | | | | | | | | | | | | | | | | | | | |
| **I Crop Production** | | | | | | | | | | | | | | | | | | | | | |
| Weed Management | 2 | | | 30 | 0 | | | 30 | 10 | | 0 | | | 10 | | | | | 60 | |
| Resource Conservation Technologies |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Cropping Systems |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Crop Diversification |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Farming | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Water management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Seed production |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Crop Management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Fodder production |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of organic inputs | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| **II Horticulture** | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of low volume and high value crops | 2 | | | 30 | 0 | | | 30 | 10 | | 0 | | | 10 | | | | | 40 | |
| Off-season vegetables | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Nursery raising |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Exotic vegetables like Broccoli | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Export potential vegetables |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Grading and standardization |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Protective cultivation (Green Houses, Shade Net etc.) |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **b) Fruits** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Training and Pruning |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Layout and Management of Orchards | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Cultivation of Fruit |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Management of young plants/orchards |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Rejuvenation of old orchards |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Export potential fruits |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Micro irrigation systems of orchards |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Plant propagation techniques |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **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 |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| 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 | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Soil and Water Conservation |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Nutrient Management | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Production and use of organic inputs |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Management of Problematic soils | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Micro nutrient deficiency in crops |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nutrient Use Efficiency |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Soil and Water Testing | 2 | | | 30 | - | | | 30 | 10 | | - | | | 10 | | | | | 40 | |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Poultry Management | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Piggery Management |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Rabbit Management /goat |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Disease Management | 4 | | | 60 | 0 | | | 60 | 20 | | 0 | | | 20 | | | | | 80 | |
| Feed management | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Production of quality animal products | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Design and development of low/minimum cost diet | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Designing and development for high nutrient efficiency diet | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Minimization of nutrient loss in processing | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Gender mainstreaming through SHGs | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Storage loss minimization techniques | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Value addition | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Income generation activities for empowerment of rural Women | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| Location specific drudgery reduction technologies | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Rural Crafts | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Women and child care | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| **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 (Horti.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-agents production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-pesticides production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-fertilizer production | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Vermi-compost production (Horti.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Organic manures production (A.S.) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of fry and fingerlings | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of Bee-colonies and wax sheets | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Small tools and implements | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of livestock feed and fodder | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of Fish feed | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **X Capacity Building and Group Dynamics** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Leadership development | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Group dynamics | | 1 | 15 | | - | 15 | | | 5 | | | - | | | 5 | | 20 | | | |
| Formation and Management of SHGs (HS) | | 1 | 15 | | - | 15 | | | 5 | | | - | | | 5 | | 20 | | | |
| Mobilization of social capital | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Entrepreneurial development of farmers/youths (Agro.) | | 1 | 15 | | - | 15 | | | 5 | | | - | | | 5 | | 20 | | | |
| WTO and IPR issues | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XI Agro-forestry** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production technologies | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Nursery management | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Farming Systems | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XII Others (Pl. Specify)** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **TOTAL** | | **31** | **360** | | **105** | | **465** | | | **120** | | | **35** | | | **155** | | **620** | | | |

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

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Others** | | | **SC/ST** | | | **Grand Total** |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| **(A) Farmers & Farm Women** | | | | | | | | |
| **I Crop Production** | | | | | | | | |
| Weed Management | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Resource Conservation Technologies |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |
| Crop Diversification | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Integrated Farming | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Water management |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |
| Integrated Crop Management | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Fodder production |  |  |  |  |  |  |  |  |
| Production of organic inputs | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| **II Horticulture** | | | | | | | | |
| **a) Vegetable Crops** |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Off-season vegetables | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Nursery raising |  |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Export potential vegetables |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Cultivation of Fruit |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |
| Plant propagation techniques | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **c) Ornamental Plants** |  |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  |  |  |
| Management of potted plants | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| 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 | 2 | 30 | 0 | 30 | 20 | 0 | 10 | 40 |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 2 | 30 | 0 | 30 | 20 | 0 | 10 | 40 |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |
| Management of Problematic soils | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |
| Soil and Water Testing | 3 | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| **IV Livestock Production and Management** |  |  |  |  |  |  |  |  |
| Dairy Management | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Poultry Management | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Piggery Management |  |  |  |  |  |  |  |  |
| Rabbit Management/goat |  |  |  |  |  |  |  |  |
| Disease Management | 5 | 75 | 0 | 75 | 25 | 0 | 25 | 100 |
| Feed management | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Production of quality animal products | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **V Home Science/Women empowerment** |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 1 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet | 2 | 0 | 30 | 30 | 0 | 10 | 10 | 40 |
| Minimization of nutrient loss in processing | 1 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques | 1 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| Value addition | 2 | 0 | 30 | 30 | 0 | 10 | 10 | 40 |
| Income generation activities for empowerment of rural Women | 1 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| Location specific drudgery reduction technologies |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |
| Women and child care | 1 | 0 | 15 | 15 | 0 | 5 | 5 | 20 |
| **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 |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |
| **X Capacity Building and Group Dynamics** |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  |  |  |  |
| Group dynamics | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| Formation and Management of FPO / SHGs | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Mobilization of social capital |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 2 | 30 | 0 | 30 | 10 | 0 | 10 | 40 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |
| Sponsored training |  |  |  |  |  |  |  |  |
| **TOTAL** | **46** | **555** | **135** | **690** | **195** | **45** | **230** | **920** |
| **(B) RURAL YOUTH** |  |  |  |  |  |  |  |  |
| Mushroom Production | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| Bee-keeping | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| Integrated farming | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| Seed production |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |
| Vermi-culture | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| Sericulture |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | 1 | 5 | 10 | 15 | 1 | 4 | 5 | 20 |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |
| Value addition | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Production of quality animal products |  |  |  |  |  |  |  |  |
| Dairying | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Sheep and goat rearing | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| 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 | 2 | 5 | 20 | 25 | 0 | 10 | 10 | 35 |
| Post Harvest Technology |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |
| Other – Organic Farming | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **TOTAL** | 11 | 135 | 30 | 165 | 41 | 14 | 55 | 220 |
| **(C) Extension Personnel** |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |
| Protected cultivation technology | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Care and maintenance of farm machinery and implements | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |
| Management in farm animals | 1 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |
| Household food security | 2 | - | 40 | 40 | - | 10 | 10 | 50 |
| Women and Child care | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| Low cost and nutrient efficient diet designing | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |
| Any other (Pl. Specify) | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| **Total** | **8** | **75** | **60** | **135** | **25** | **15** | **40** | **175** |
| **G. TOTAL** | **65** | **765** | **225** | **990** | **261** | **74** | **325** | **1315** |

## Details of training programmes attached in Annexure -I

**5.4 Training Material**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Season** | **Crop/ Commodity** | **Theme** | **Content developed (attach PDF)** | **Author(s)** | **Experience in the field** | **Additional knowledge gap (refer to PRA done in KVK)** |
| All season | Fruits & vegetable processing | Value addition | Attached | Dr Ritu Singh | 23 years | - |
| All season | Organic farming | Agriculture sustainability | Under process | Dr Samarpal Singh | 5 years | - |
| Rabi | Button Mushroom | Mushroom production | Attached | Dr. D.K. Rana | 13 years | - |
| All season | Mali prikshan pustika | Capacity building | Attached | Dr Rakesh Kumar | 18 years | - |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Nature of Extension Activity** | **No. of activities** | **Farmers** | | | **Extension Officials** | | | **Total** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Field Day | 5 | 160 | 10 | 170 | 5 | 5 | 10 | 165 | 15 | 180 |
| Kisan Mela | 1 | 340 | 60 | 400 | 20 | 5 | 25 | 360 | 65 | 425 |
| Kisan Ghosthi | 5 | 160 | 30 | 190 | 5 | 5 | 10 | 165 | 35 | 200 |
| Exhibition | 2 | 600 | 150 | 750 | 50 | 10 | 60 | 650 | 160 | 810 |
| Film Show | 10 | 150 | 50 | 200 | 15 | 5 | 20 | 165 | 55 | 220 |
| Farmers Seminar | 1 | 250 | 50 | 300 | 10 | 0 | 10 | 260 | 50 | 310 |
| Group meetings | 12 | 30 | 90 | 120 | 5 | 0 | 5 | 35 | 90 | 125 |
| Lectures delivered as resource persons | 10 | 180 | 20 | 200 | 0 | 0 | 0 | 180 | 20 | 200 |
| Newspaper coverage | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Radio talks | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| TV talks | 12 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Popular articles | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Extension Literature | 5 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Advisory Services | 540 | 500 | 20 | 520 | 10 | 10 | 20 | 510 | 30 | 540 |
| Scientific visit to farmers field | 200 | 260 | 60 | 320 | 20 | 5 | 25 | 280 | 65 | 345 |
| Farmers visit to KVK | 600 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Diagnostic visits | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Exposure visits | 5 | 120 | 20 | 140 | 5 | 0 | 5 | 125 | 20 | 145 |
| Soil health Camp | 5 | 75 | 25 | 100 | 5 | 0 | 5 | 80 | 25 | 105 |
| Animal Health Camp | 1 | 15 | 5 | 20 | 5 | 0 | 5 | 20 | 5 | 25 |
| Soil test campaigns | 5 | 150 | 50 | 200 | 10 | 0 | 10 | 160 | 50 | 210 |
| Seed treatment campaign | 1 | 95 | 5 | 100 | 0 | 0 | 0 | 95 | 5 | 100 |
| Farm Science Club Conveners meet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Self Help Group meetings | 12 | 0 | 700 | 700 | 0 | 10 | 10 | 0 | 710 | 710 |
| FPO Meetings | 8 | 100 | 5 | 105 | 0 | 0 | 0 | 100 | 5 | 105 |
| FPO AGM Meeting | 1 | 80 | 5 | 85 | 0 | 0 | 0 | 80 | 5 | 85 |
| Celebration of important days (specify) |  |  |  | 0 |  |  | 0 | 0 | 0 | 0 |
| National Science Day | 1 | 40 | 10 | 50 | 6 | 0 | 6 | 40 | 16 | 56 |
| International Women Day | 1 | 0 | 60 | 60 | 4 | 2 | 6 | 4 | 62 | 66 |
| World Water Day | 1 | 80 | 10 | 90 | 6 | 2 | 8 | 86 | 12 | 98 |
| World Honey Day | 1 | 20 | 10 | 30 | 0 | 0 | 0 | 20 | 10 | 30 |
| World Milk Day | 1 | 100 | 10 | 110 | 8 | 2 | 10 | 108 | 12 | 120 |
| ICAR Foundation Day | 1 | 60 | 10 | 70 | 6 | 2 | 8 | 66 | 12 | 78 |
| Parthenium awareness Programme | 3 | 60 | 10 | 70 | 6 | 2 | 8 | 66 | 12 | 78 |
| RashtriyaPoshanMaah / Vatika | 1 | 10 | 80 | 90 | 4 | 2 | 6 | 14 | 82 | 96 |
| MahilaKisanDiwas | 1 | 0 | 40 | 40 | 4 | 2 | 6 | 4 | 42 | 46 |
| World Soil Day | 1 | 60 | 10 | 70 | 8 | 2 | 10 | 68 | 12 | 80 |
| KisanDiwas | 1 | 40 | 10 | 50 | 8 | 2 | 10 | 48 | 12 | 60 |
| Ex-Trainees Sammelan | 1 | 100 | 20 | 120 | 10 | 0 | 10 | 110 | 20 | 130 |
| Pre Rabi workshop | 1 | 100 | 20 | 120 | 10 | 0 | 10 | 110 | 20 | 130 |
| Any Other (Specify) -SwacchtaPakhwada | 25 | 400 | 100 | 500 | 10 | 2 | 12 | 410 | 102 | 512 |
| **Total** | **1598** | **4335** | **1755** | **6090** | **255** | **75** | **330** | **4590** | **1830** | **6420** |

**7. Target for Production and supply of Technological products**

**7.1 SEED MATERIALS**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (qtl.)** | **Source of parent seed (agency)** | **Quantity (kg.)** | **Indent given to agency or not** |
| **CEREALS** | Wheat | DBW 187 | 80.00 | ICAR-IARI, Pusa Delhi |  |  |
|  | Barely | DWRB137 | 10.00 | - |  |  |
| **OILSEEDS** | Mustard | RH1424 | 70.00 | ICAR-DRMR, Bharatpur |  |  |
| **PULSES** |  |  |  |  |  |  |
| **VEGETABLES** | Palak | Pusa All Green | 20.00 | IARI, Pusa, Delhi |  |  |
| **OTHERS (Specify)** |  |  |  |  |  |  |

**7.2 PLANTING MATERIALS**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (Nos.)** | **Mother orchard in place or not** |
| **FRUITS** | Aonla | N-7 & N-8 | 100 | Yes |
|  | Kinnow | Punjab kinnow | 250 | Yes |
|  | Papaya | Red lady 786 | 2500 |  |
| **SPICES** |  |  |  |  |
|  |  |  |  |  |
| **VEGETABLES** | Tomato | Himsona/NS5013 | 25000 | - |
|  | Onion | NHRDF Red-4 | 25qtl. Seedling | - |
|  | Brinjal | PusaUttam, S-992/Naveen | 10000 | - |
|  | Chilli | Sakata 653, VNR-75 | 10000 | - |
|  | Cauliflower | Shreya | 5000 | - |
|  | Cabbage | Golden acre | 5000 | - |
|  | Broccoli | NS-1253 | 5000 | - |
|  | Bottle gourd | Pusa Naveen | 4000 | - |
|  | Sponge Gourd | Alok | 5000 | - |
| **FOREST SPECIES** |  |  |  |  |
|  |  |  |  |  |
| **ORNAMENTAL CROPS** |  |  |  |  |
|  | Marigold | PusaNarangi,PunjabGainda No.1 | 10000 | - |
| **Other** |  |  |  |  |
|  | Drumstick | PKM-1 | 5000 | Yes |
|  |  | **Total** | **86850 + 25 qtl** |  |

**7.3 Bio-products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | |
| **No** | **(kg)** |
| **BIO PESTICIDES / Products** |  |  |  |  |
| **1** | Verm-Compost |  |  | 2000 Kg |
| 2 | Jeevamert | - |  | 400 ltr. |
| 3 | Bijamert | - |  | 400 ltr. |
| 4 | Panchgavye | - |  | 400 ltr. |
| 5 | Nimastra | - |  | 500 ltr. |

**7.4 LIVESTOCK**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Quantity** | | **Potential area of absorption (block)** | **Likely cost on production** |
| **(Nos)** | **Unit** |  |  |
| Cattle |  |  |  |  |  |  |
| GOAT |  | Sirohi | 6 (5+1) | 1 |  |  |
| SHEEP |  |  |  |  |  |  |
| POULTRY |  |  |  |  |  |  |
| Pig farming |  |  |  |  |  |  |
| FISHERIES |  |  |  |  |  |  |
|  |  |  |  |  |  |

**8. Literature to be Developed/Published**

1. **KVK News Letter**

Date of start : January-June 2024 and July-December, 2024 :

Number of copies to be published : 200 each

**(B) Literature developed/published**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Topic** | **Number** |
| 1 | Research paper each scientist | 2 |
|  | > 6.0 score | 2 |
|  | < 6.0 score |  |
| 2 | Technical reports | 06 |
| 3 | News letters | 02 |
| 4 | Training manual all discipline | 08 |
| 5 | Popular article | 20 |
| 6 | Extension literature | 06 |
| 7 | KVK 26 years of achievement publication | 01 |
| 8 | Success Story | 01 |
|  | **Total** |  |

**(C) Details of Video clips/video films/documentary, etc. `**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
|  | CD | About KVK Delhi | 1 |
|  | CD | Success story of Entrepreneur | 06 |
|  | CD | Solar Farm Demonstration Unit | 1 |
|  | Video Film | KVK Extension and success activities | 4 |
|  | Video Film | Technology demonstrations and awareness | 04 |

**9. Success stories identified for development as a case. -**The success stories are identified in the following enterprise/technology during the year of 2024:

1. Organic Farming

2. Mushroom Production

3. Food Processing

4. Vermicompost Production

5. Gardening – Boon for employment generation in rural youth

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

1. Case studies to be conducted : The following area are identified to conduct Case Studies.

1. Title/Topic:

* 1. Impact of Mineral Mixture on milk production
  2. Assessment of technologies demonstration for pesticide residue free production of fruits and vegetables
  3. Promotion of Biofortified variety of pearl millet for health and nutrition security
  4. Crop Diversification for higher income
  5. Impact of direct marketing of Agri produce

2. Crop/Area/Resource: Livestock

3. Number of sample farmers (proposed) : 10

4. Block/village: Najafgarh

5. Likely date of start: March, 2024

6. Likely date of completion: September, 2024

7. Nodal person for case study: All SMSs

8. KVK intervention/participation: Demonstrations, Awareness andFollow-up

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

**Practicing Farmers**

Need assessment was made based on concerned departments, PRA reports, observations, field visits, interactions with farmers/farm women in meeting, field days etc. and detailed discussion with VLW’s of target villages

**Rural Youth**

Identification of training needs of rural youth is identified through PRA, SWOT and interaction with rural youth, village elders, professionals and courses are accordingly identified. The views of officials of line department are also taken in deciding the issues.

**In-service personnel**

Meeting with Joint Director (Ag.), Delhi Govt., Director (Horticulture), Director Animal Husbandry, Delhi Govt. and the District Officer Social Welfare (South West), Dept. of Social Welfare, Govt. of Delhi, held every year and the training programmes are organized as per the requirements. Feedback is also collected from participants of in-service training course for their future training requirements.

**For OFT:**

i) PRA survey

ii) Problem identified from Matrix √

iii) Field level observations √

iv) Farmer group discussions √

v) Others if any

**For FLD:**

1. New variety/technology √
2. Poor yield at farmer’s level
3. Existing cropping system √
4. Others if any

**12 Indicate the methodology for identifying OFTs/FLDs**

**For OFT :**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **Village** | **Sample size** | **Involvement of SAUs/KVKs** | **Nodal officer** |
| i) PRA | **Jaunti, Kanganheri, Badusarai and Ghoga** | **54** | **KVK and local organizations** | Dr. Rakesh Kumar (SMS-Horti), Dr. Samar Pal Singh, SMS (Agro), Dr. Jai Parkash, (SMS-AH) and Kailash (SMS-AE) |
| ii) Problem identified from Matrix |  |  |  |
| iii) Field level observations |  |  |  |
| iv) Farmer group discussions | **Semi-structure interview conducted with farmers.** |  |  |
| v) Others if any |  |  |  |

**For FLD :**

1. New variety/technology
2. Poor yield at farmers level (yield gap)
3. Existing cropping system
4. Others if any

**13 Field activities**

1. Name of villages identified/adopted with block name (from which year) - Kanganheri, Badusarai (Kapashera Block), Jaunti (Kanjawala Block) and Ghoga (Alipur Block)
2. No. of farm families selected per village: 16
3. No. of survey/PRA conducted :04
4. No. of technologies taken to the adopted villages: 06 each village
5. Name of the technologies found suitable by the farmers of the adopted villages: The technologies found suitable to the farming situation by the farmers of the adopted villages accordingly OFT, FLD, training, group mobilization, crop diversification, marketing and enterprises.
6. Impact (production, income, employment, area/technological– horizontal/vertical) : To be assessed
7. Constraints if any in the continued application of these improved technologies: Will be assessed

**14. Activities of Soil and Water Testing Laboratory**

Status of establishment of Lab: Yes

14.1 Year of establishment : 2015

14.2 List of equipment’s purchase with amount

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name of the equipment | Quantity | Cost (Rs) |
| 1 | pH Meter\* | 01 | 30,000 |
| 2 | EC Meter\* | 01 | 40,000 |
| 3 | Weight Balance\* | 01 | 25,000 |
| 4 | Nitrogen Distillation\* | 01 | 5,00,000 |
| 5. | Spectro Photometer\* | 01 | 1,50,000 |
| 6. | Flame Photometer\* | 01 | 90,000 |
| 7. | Rotary Flask Shaker Machine\* | 01 | 60,000 |

\*Need to be purchased

14.3. Targets of samples for analysis:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
| Soil Samples | 450 | 450 | 30 | NIL |
| Water | 150 | 150 | 30 |  |
| Plant | 260 | 300 | 20 |  |
| Total | 860 | 900 | 80 |  |

**15 LINKAGES**

**15.1 Functional linkage with different organizations**

|  |  |  |
| --- | --- | --- |
| Organization | Purpose | Activities |
| Central Govt | | |
| 1. Ministry of Agriculture and Farmer Welfare, GOI | To conduct CFLD, crop residue management and other projects under MIDH. | Trainings, Projects, , Exposure Visits, Demonstrations |
| 1. NITI Aayog |  |  |
| I.C.A.R./C.S.R.I. Institutes | | |
| 1. IARI, New Delhi, 2. NBPGR, New Delhi, 3. CSSRI, Karnal, 4. NCIPM, New Delhi 5. IIMR, Ludhiana, 6. IIHR, Banglore 7. CISH, Lucknow 8. IVRI, Varanasi, 9. DRMR, Bharatpur 10. IIWBR, Karnal 11. NDRI, Karnal 12. CSWRI, Avikanagar | Introduction of newly released varieties/breeds and technologies suitable for existing farming situations | CFLD, FLD’s, OFT’s, Seed Production at KVK Farm, exposure visits, Training &Projects, transfer of technology and Demonstrations |
| State Agricultural Universities | | |
| 1. CCS Haryana Agricultural University, Hisar 2. Punjab Agriculture University, Ludhiana (PB) 3. NDAUAT, Ayodhaya | Introduction of newly released varieties and technology | OFT’s, FLD’s, Technical Support, Exposure Visits, providing of planting material |
| Line department of NCT Delhi | | |
| 1. Dept. of Agriculture &Envrionment, Govt. of NCT Delhi 2. Department Animal Husbandry &, Fishery, GNCT, Delhi 3. Department of women & child development & department of education 4. DM Office South West district, North & North West district   Of NCT Delhi   1. KVIC, MCD, YWCA | To develop the skill in extension personnel & aware them about the new technologies at large scale | In service Training, Farmers Fair, Exhibitions, School activities, Trainees, Soil & Water Testing, Demonstrations, Field Days, Animal Health Camps Diagnosis Services, Promotion of Women Friendly Technologies, Extension Activities |
| KrishiVigyan Kendra | | |
| Gurugram, Jhajjar, Mandkola, Bhiwani, Sonipat, Karnal, Kota & Gautam Budh Nagar | Mutual Transfer of Knowledge & Skill among Farming Community | Exposure Visits, Transfer of Technology and Trainings |
| Other Organizations |  |  |
| NABARD &NAFED | Financial Support | Sponsored Projects/Trainings, Participation in Meeting, |
| DIET, Ghumenheda, New Delhi | To promote the Agricultural Academic Programme | Trainings & extension activities |
| DTL & BSES | Support for Solar Unit Establishment | Financial & Technical Support |

15.2 Details of linkage with ATMA

**a)** Is ATMA implemented in your district No

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 |  |  |
| 2 |  |  |
| 3 |  |  |
| 4 |  |  |

**15.3 Give details of programmes under National Horticultural Mission/MoFPI/MoRD**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 |  |  |
| 2 |  |  |

**15.4 Nature of linkage with National Fisheries Development Board**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| **1** |  |  |
| **2** |  |  |

**16 Utilization of hostel facilities**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **No. of days** |
| **1** |  |  |
| **2** |  |  |
| **3** |  |  |
| **4** |  |  |
|  | **Total** |  |

**17 Convergence with departments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Category** | **Technological backstopping** | **Names of the team members involved** |
| **1** | Agriculture | Cereals production technology | SMS (Agronomy) |
|  |  | Pulses production technology | SMS (Agronomy) |
| **2** | Horticulture | ICM in Vegetables | SMS (Horticulture) |
|  |  | Micro irrigation system | SMS (Horticulture) |
| **3** | Home Science | Value added products from millets | SMS (Home Science) |
|  |  | Women empowerment through agribusiness | SMS (Home Science) |
|  |  | Importance of nutrition garden | SMS (Home Science) |
| **4** | Agri. Ext | Kisan Mobile Advisory Services | SMS (Ag. Ext) |
|  |  | ICT |  |
| **5.** | Animal Husbandry | Advisory and Health Camp | SMS (AH) |

**18 Feedback of the farmers about the technologies demonstrated and assessed :**

* Mustard Variety RH 725 was demonstrated under CFLD Mustard and the response from the farmers was found to be satisfactory in terms of seed yield.
* FLD in pearl millet under programme NARI brought a satisfactory amount of iron (Fe) and zinc in the crop for human health.
* IPM approaches demonstrated to farmers were started practicing in the area.
* Farmers accepted and applied the technology of micronutrients applications in tomato.
* Vegetable nursery rising under the protected condition.

**19.0 Feedback from the KVK Scientists (Subject wise) to the research institutions/universities:**

* Research institutes may focus on the development of high yielding salt tolerant varieties of Rice, Wheat, and Mustard crop.
* More development of Bio-Fortified varieties of Crops to sort out the problem of Malnutrition.
* Floriculture research to be focused on the development of Salt tolerant varieties of flowers to promote flower farming in land irrigated by salt water.
* Research on advanced agro-technique in saline condition for agronomic and horticulture crops.
* Research to be focused on Nano-Technology in Agriculture for demonstrations and welfare of Farmers.
* Advance research in the field micro-nutrients availability for the vegetable crops.
* Low-cost technologies development in food processing.
* Dissemination of technologies from veterinary universities/institutes to other states through KVKs in the field of veterinary sciences for demonstrations and trials.
* Herd health-based approach for research and development of technologies in veterinary sciences.

**29.0 Target for Revolving Funds**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Year** | **Revolving Fund (Rs.)** | **Activities conducted/ proposed to accomplish RF** | **Income (Rs. in lakhs)/Target** | **Expenditure (2022-23) Rs. in lakhs** | **Balance (Rs. in lakhs)** |
| 2022-23 | Rs.10079485.18 | Seed production | 2785298.60 | 2684035.58 | 10180748.20 |
| 2023-24 | Expected RF - 10180748.20 | 1. Seed and seedling production  2. KVK products  3.RAWE programme for students  4. Sponsored trials | 22,50,000.00 | 15,00,000.00 | 1,05,00000.00 |

## Annexure - I

## Training Programme

1. **Farmers & Farm women (On Campus)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **Number of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | |
| June | PF | Diversification in rice-wheat cropping system for higher productivity and resources use efficiency | 4 | 20 | - | 20 | 5 | - | 5 | 25 |
| Nov | PF | Production & application of organic inputs like panchgvya, jeevamruit etc in field crops | 4 | 20 | - | 20 | 5 | - | 5 | 25 |
| Dec | PF | Integrated weed management practices in wheat | 4 | 20 | - | 20 | 5 | - | 5 | 25 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| May | PF | Propagation techniques in horticultural crops for income generation. | 4 | 20 | - | 20 | 5 |  | 5 | 25 |
| October | PF | Rooftop gardening and its management in urban and peri urban. | 4 | 20 | - | 20 | 5 |  | 5 | 25 |
| November | PF | Vegetable production under protected condition in peri-urban areas | 4 | 20 | - | 20 | 5 |  | 5 | 25 |
| **Livestock prod.** | | | | | | | | | | |
| April | PF | Dairy farming: management with innovation | 4 | 20 | - | 20 | 5 | - | 5 | 25 |
| November | PF | Management practices in livestock during winter season | 4 | 20 | - | 20 | 5 | - | 5 | 25 |
| **Home Sc.** | | | | | | | | | | |
| February | FW | Value added products from millets | 4 | - | 20 | 20 | - | 5 | - | 25 |
| July | PF | Value addition of seasonal fruits & vegetables | 4 | - | 20 | 20 | - | 5 | - | 25 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Agri Extension** | | | | | | | | | | | |
| July | | PF | Formation of new FPOs | 4 | 20 | 0 | 20 | 5 | 0 | 5 | 25 |
| Nov. | | PF | Sensitize school dropout students for entrepreneurship | 4 | 20 | 0 | 20 | 5 | 0 | 5 | 25 |
| **Soil Health** | | | | | | | | | | | |
| February | PF | | Soil test-based fertilizers management in vegetables for higher production | 4 | 20 | 0 | 20 | 5 | - | 5 | 25 |
| October | PF | | Integrated nutrient management in mustard | 4 | 20 | 0 | 20 | 5 | - | 5 | 25 |
| November | PF | | Application of fertilizers in wheat on basis of Soil Health Card | 4 | 20 | 0 | 20 | 5 | - | 5 | 25 |

1. **Farmers & Farm women (Off Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | | | | | **Title of the training programme** | **Duration in days** | **No. of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | | | | | |
| June | PF | | Agro techniques for rice nursery raising and transplanting | | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| July | PF | | Integrated weed management in Paddy crop | | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| September | PF | | Application of organic fertilizers and biofertilizers for nutrients management in mustard& wheat | | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| Nov. | PF | | Integrated weed management practices in wheat | | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| **Horticulture** | | | | | | | | | | | | | | |
| February | PF | | Good agriculture practices in Okra | | | | 1 | 20 | - | 20 | 5 |  | 5 | 25 |
| May | PF | | Layout & management practices for orchards establishment | | | | 1 | 20 | - | 20 | 5 |  | 5 | 25 |
| June | PF | | Production technologies of vegetables crop in *Kharif* season. | | | | 1 | 20 | - | 20 | 5 |  | 5 | 25 |
| October | PF | | Production technology of exotic vegetables | | | | 1 | 20 | - | 20 | 5 |  | 5 | 25 |
| November | PF | | Nursery rising of curcubits for cultivations under low-cost tunnel. | | | | 1 | 20 | - | 20 | 5 |  | 5 | 25 |
| **Live Stock Production**. | | | | | | | | | | | | | | |
| January | PF | | | Repeat Breeding: Treatment and Management | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| March | PF | | | Deworming and Vaccination Management in livestock | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| April | PF | | | Heat stress management in Dairy Animals | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| May | PF | | | Goat Farming: Role in rural economy | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| August | PF | | | Reproductive management in dairy animals | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| October | PF | | | Feed management in Dairy animals | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| November | PF | | | Winter/Cold weather management in dairy animals | | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| **Agril. Ext.** | | | | | | | | | | | | | | |
|  |  | | | |  | |  |  |  |  |  |  |  |  |
| July | PF | | | | Mobilization of farmers for formation of FPO | | 1 | 20 | - | 20 | 5 | 0 | 5 | 25 |
| Aug. | PF | | | | Sensitize to rural youths for entrepreneurial development through various agriculture enterprises. | | 1 | 20 | - | 20 | 5 | 0 | 5 | 25 |
| October | PF | | | | Training programme for formation of cluster-based Kisan Club, FPO and SHG | | 1 | 20 | - | 20 | 5 | 0 | 5 | 25 |
| **Home Sc.** | | | | | | | | | | | | | | |
| January | | PF | | | Minimization of nutrient loss in processing of millets | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| April-June | | PF | | | Management of storage pest in wheat grain | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| August | | PF | | | Development of low-cost diet for adolescents | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| September | | PF | | | Promotion of nutritional Kitchen Garden. | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| October | | PF | | | Income generation activities for empowerment of rural Women | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| November | | PF | | | Nutrient rich product development from millets | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| December | | PF | | | Value addition of seasonal vegetables & fruits | | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| **Soil health** | | | | | | | | | | | | | | |
| April | PF | | | | Technique of Soil Sampling from the farmer fields | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| May | PF | | | | Cultivation practices of green manuring | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| July | PF | | | | Management practices for problematic soil | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| September | PF | | | | Balance use of fertilizers in mustard | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| November | PF | | | | Integrated nutrient management in wheat | | 1 | 20 | - | 20 | 5 | - | 5 | 25 |

## (ii) Vocational training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Identified Thrust Area** | **Training title\*** | **Month** | **Duration (days)** | **No. of Participants** | | | **SC/ST participants** | | | **G.Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| Fruits & vegetables | Value added products from fruits & vegetables | Development of value-added products from seasonal fruits & vegetables | January | 10 | - | 20 | 20 | - | 5 | 5 | 25 |
| Bee Keeping | Employment generation | Bee keeping | February | 10 | 20 | - | 20 | 5 | - | 5 | 25 |
| Employment generation | Employment generation | Agarbatti making | February | 10 | - | 20 | 20 | - | 5 | 5 | 25 |
| Horticulture crops | Nursery Management of Horticulture crops for Employment generation | Gardener cum nursery raiser | Feb -March | 10 | 20 | - | 20 | 5 | - | 5 | 25 |
| Natural & Organic Farming | Sustainable agriculture | Natural and organic farming and theirinputs preparation | May | 10 | 20 | - | 20 | 5 | - | 5 | 25 |
| Animal Husbandry | Goat Farming | Scientific goat farming | July | 10 | 15 | 0 | 15 | 5 | 0 | 5 | 25 |
| Agro-Tourism | Integrated Farming and Entrepreneurship Development | Self-entrepreneurship generation through agro-tourism and integrated farming system | August | 10 | 20 | - | 20 | 5 | 0 | 5 | 25 |
| Vermicompost | Production of organic inputs | Vermicompost production technology | August | 10 | 20 | - | 20 | 5 | - | 5 | 25 |
| Animal Husbandry | Dairy Farming | Advances in livestock farming for increase production. | September | 10 | 20 | - | 20 | 5 |  |  | 25 |
| Mushroom Production | Mushroom Production | Mushroom Production and Value addition | October | 10 | 20 | - | 20 | 5 | - | 5 | 25 |
| Fruits & vegetables | Post-harvest management | Fruits & vegetables preservation & processing | November | 10 | 20 | - | 20 | 1 | 4 | 5 | 25 |

1. **Training programme for extension functionaries**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | | **Title of the training programme** | **Duration in days** | **No. of participants** | | | **Number of SC/ST** | | |  |
| **M** | **F** | **T** | **M** | **F** | **T** |  |
| **On Campus** | | | | | | | | | | | |
| April | | Anganwadi workers and supervisors | Importance of Nutri thali for human health | 2 | - | 20 | 20 | - | 5 | 5 | 25 |
| May | | Agri Extension officer/progressive farmers | Importance of soil and water testing for soil fertility management | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| August | | Development Department, Delhi | Capacity building for ICTs application | 2 | 20 | - | 20 | 5 | 0 | 5 | 25 |
| September | | Aanganwadi workers & supervisors | Kitchen/Terrace gardening for nutritional security | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| October | | Animal Husbandry Department, Delhi | Various Zoonotic diseases and their management practices in livestock. | 1 | 20 | - | 20 | 5 | - | 5 | 25 |
| November | | Horticulture, Delhi, GNCT, Delhi | Recent advances in Horticulture in Peri-Urban Area. | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| December | | Aanganwadi workers & supervisors | Kitchen/Terrace gardening for nutritional security | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| December | | EF | Preparation and application of Organic Inputs | 1 | - | 20 | 20 | - | 5 | 5 | 25 |

**iv) Sponsored programme**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Sponsoring agency** | **Clientele** | **Title of the training programme** | **No. of course** | **No. of participants** | | | **Number of SC/ST** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| 1. **Sponsored training programme** | | | | | | | | | | | |
| Horticulture | NHRDF | Farmers | Major Thriving Varieties and Production Technology of Onion | 2 | 40 | 10 | 50 | 10 | - | 10 | 60 |
| Agri. Extn | ICAR | Farmers | Operational Guidelines of farm machineries for In-Situ Crop Residue Management | 1 | 20 | 5 | 25 | 3 | 2 | 5 | 30 |
| Agri. Extn. | ICAR | Farmers | In-Situ Crop Residue Management by Farm Machineries | 1 | 20 | 5 | 25 | 3 | 2 | 5 | 30 |
|  |  |  | **Total** | **4** | **80** | **20** | **100** | **16** | **4** | **20** | **120** |