**DETAILS OF ACTION PLAN OF KVKs DURING 2023**

**(1stJanuary 2023 to 31stDecember 2023)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Krishi Vigyan Kendra,  Nafed Complex, Village & Post -Ujwa, Nazafgarh,  New Delhi - 110073 | Office | FAX | kvkujwa@yahoo.com | www.kvkdelhi.org |
| 9667971155 | 011-28525129 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Office | FAX |
| National Horticultural Research & Development Foundation (NHRDF), 47, Pankha Road Institutional Area, Janakpuri, New Delhi, Pin: 110058 | 011-28522211, 28524150 | 011-28525129 | delhi@nhrdf.com | www.nhrdf.org |

1.2.b. Status of KVK website : Yes

1.2.c. No. of Visitors (Hits) to your KVK website (as on today) : 516111

1.2.d Status of ICT lab at your KVK : No

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Dr. P.K. Gupta | Office | Mobile | Email |
| 011-45608126 | 8888867619 | headkvkujwa@gmail.com |

1.4. Year of sanction: 1995

**1.5. Staff Position (as on 1 January, 2022)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Sanctioned post | Name of the incumbent | Designation | Discipline | Pay Scale (Rs.) | Present basic (Rs.) | Date of joining | Permanent  /Temp-orary | Category (SC/ST/  OBC/  Others) | Mobile no. | Age | Email id |
| 1 | Sr. Scientist cum Head | Dr P.K.  Gupta | Sr Sc.  & Head | Horticulture | L-13 A | 152300 | 28.02.17 | Per. | Gen | 8888867619 | 51 | kvkujwa@yahoo.com |
| 2 | Subject Matter  Specialist | Ritu Singh | SMS | Home  Science | L-10 | 90000 | 10.02.05 | -do- | Gen | 9818550652 | 48 | -do- |
| 3 | Subject Matter  Specialist | Rakesh Kumar | SMS | Horticulture | L-10 | 90000 | 22.09.05 | -do- | Gen | 9313047633 | 47 | -do- |
| 4 | Subject Matter  Specialist | Dr. D. K. Rana | SMS | Plant  Protection | L-10 | 77700 | 5.05. 10 | -do- | Gen | 9310904705 | 46 | -do- |
| 5 | Subject Matter  Specialist | Dr Samar Pal Singh | SMS | Agronomy | L-10 | 61300 | 25.05.18 | -do- | Gen | 8650399054 | 33 | -do- |
| 6 | Subject Matter  Specialist | Sh Kailash | SMS | Agriculture Extension | L-10 | 61300 | 27.06.18 | -do- | Gen | 9413060922 | 32 | -do- |
| 7 | Subject Matter  Specialist | Dr Jai Parkash | SMS | Animal Husbandry | L-10 | 56100 | 3.9.21 | -do- | Gen | 9813803111 | 36 | -do- |
| 8 | Programme Assistant | Brijesh Yadav | PA | Soil Science | L-6 | 44900 | 17.02.14 | -do- | Gen | 8178929760 | 38 | -do- |
| 9 | Computer  Programmer | Manju | PA | Computer Science | L-6 | 53600 | 2.05. 08 | -do- | Gen | 7065787046 | 40 | -do- |
| 10 | Farm Manager | Ram Sagar | Farm Manager | Horticulture | L-6 | 37600 | 1.03. 19 | -do- | Gen | 9718666917 | 29 | -do- |
| 11 | Accountant / Superintendent | Subedar Pandey | OSCA | M Com | L-6 | 49030 | 24.3.21 | -do- | Gen | 8953751501 | 55 | -do- |
| 12 | Stenographer | Atma Ram | Store Keeper | Higher Secondary | L-4 | 35300 | 10.02.05 | -do- | Gen | 9911395569 | 54 | -do- |
| 13 | Agromet Observer | Vishal | Agromet Observer | Higher Secondary | L-4 | 8460 | 1.3.19 | -do- | Gen | 9466803902 | 24 | -do- |
| 14 | Driver | Rajesh Kumar | Driver | Secondary | L-3 | 34000 | 02.02.05 | -do- | Gen | 9466803902 | 47 | -do- |
| 15 | Driver | Krishan | Driver | Secondary | L-3 | 31100 | 02.05.08 | -do- | Gen | 9013553955 | 51 | -do- |
| 16 | Supporting staff | Ramesh Chander | Attendant | Secondary | L-2 | 28800 | 10.02.05 | -do- | Gen | 9899426775 | 50 | -do- |
| 17 | Supporting staff | Vacant | Attendant |  |  |  |  |  |  |  |  |  |

**1.6. Total land with KVK (in ha) : 16.9**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Buildings | 0.10 |
| 2. | **Demonstration Units**  Mushroom unit -250 m2  Vermicompost unit -500 m2  Azolla unit-25 m2  Insect proof net house-50 m2  Apiculture-25 box  Kinnow with Drip Irrigation -0.2 ha  Aonla & Bael orchard-1.4 ha  Water harvesting -200 m2  Rain Water Harvesting Pond -300 m2  Kitchen Garden – 0.1 ha  Crop Cafeteria – 0.2 ha  Drumstick Orchard – 0.2 ha  Solar Farm Unit- 0.40 ha | 2.6 |
| 3. | Crops (Seed Production) | 11.2 |
| 4. | Others if any   1. Forestry 2. Onion storage | 1.78 |
|  |
| 1.35 |
|  | **Total** | **16.9** |

**1.7. Infrastructural Development:**

**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 | | | | | | |
| 3. | Staff Quarters | NIL | | | | | | |
| 4. | Demonstration Units: | | | | | | | |
|  | Pasteurized compost Mushroom unit | State Govt | 1998 | 250 m2 | 12,10,000/- |  |  |  |
|  | Vermicompost unit | NHRDF | 2019 | 500 m2 | 200000/- |  |  |  |
|  | Azolla unit | NHRDF | 2018 | 25 m2 | 25000/- |  |  |  |
|  | Insect proof net house | NHRDF | 2018 | 50 m2 | 125000/- |  |  |  |
|  | Apiculture | NHRDF | 2018 | 20 box | 100000/- |  |  |  |
|  | Kinnow & Aonla orchard | NHRDF | 2019 | 3.5 acre | 250000/- |  |  |  |
|  | Water harvesting | ICAR | 2017 | 200 m2 | 150000/- |  |  |  |
|  | Drip irrigation system | NHRDF | 2019 | 2 acre | 360000/- |  |  |  |
|  | Solar farm demonstration unit | NCT, Delhi | 2021 | 2000 m2 | 1,03,25,000/- |  |  |  |
|  | Goat demonstration unit | ICAR | 2022 | 30 m2 | 2,00,000/- |  |  |  |
| 5 | Fencing | NIL | | | | | | |
| 7 | Threshing floor | ICAR | 17.2.2011 | 222.3 | 1,92,031/- |  |  |  |
| 8 | Farm godown | ICAR | 31.3.2011 | 35.0 | 1,99,869/- |  |  |  |
|  | Other | NIL | | | | | | |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Jeep | 2017 | 800000 | 86493 km | Working |
| Tractor | 2017 | 700000 | 1981.02 (hours) | Working |

**C) Equipments & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
|  |  |  |  |
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**1.8. A). Details of SAC meetings to be conducted in the year**

|  |  |
| --- | --- |
| **S.No.** | **Date** |
| 1. Scientific Advisory Committee | April 2023 |

**2. DETAILS OF DISTRICT**

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

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1 | Agri-Dairy system (with rice in k*harif* and wheat in r*abi* as major crops) |
| 2 | Agri- Dairy system (Mustard as major oilseed crop and Jowar/Bajra as fodder crop) |
| 3 | Agri- Horticulture (Floriculture) system |
| 4 | Agri- Horticulture (Mushroom) system |
| 5 | Agri- Vegetables-Dairy system |

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

**a) Soil type**

|  |  |  |
| --- | --- | --- |
| Sl. No. | Agro-climatic Zone | Characteristics |
|  |  |  |
| 1 | Trans- Gangatic Plains région (Zone VI) | Semi-Arid, low rainfall, variation in temperature (3 - 470C), frost occur once or twice in the year. |

**b) Topography**

|  |  |  |
| --- | --- | --- |
| S. No. | Agro ecological situation | Characteristics |
| 1 | Climate | The state has three season’s viz., winter (Nov-Jan), summer (Apr-June) & Rainy season (June - Oct). The rainfall occurs during the month of July-Sept with occasional showers during Dec- Jan. |

2.3 Soil Types

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Sandy loam | Light to medium in texture, low water holding capacity, pH slightly saline with low organic matter content. Wide range of crops can be grown but constraint is saline water for irrigation. | 33455 |

**2.4. Area, Production and Productivity of major crops cultivated in the district (2020)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (MT.) | Productivity (Qt./ha) |
| 1 | Paddy | 5854 | 25256 | 43.14 |
| 2 | Wheat | 19350 | 83419 | 43.11 |
| 3 | Barley | 62 | 181 | 29.19 |
| 4 | Bajra | 1482 | 3256 | 21.97 |
| 5 | Maize | 34 | 174 | 51.18 |
| 6 | Jowar | 3161 | 3035 | 9.60 |
| 7 | Gram | 60 | 120 | 20.00 |
| 8 | Mustard | 3593 | 4527 | 12.60 |
| 9 | Vegetable | 23043 | - | - |
| 10 | Flowers | 5995 | - | - |

Source: Development department, 2020.

**2.5. Weather data (2022)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
| Maximum | Minimum | Maximum | Minimum |
| January | 141.9 | 23.4 | 2.9 | 92 | 76 |
| February | 30.0 | 27.7 | 3.8 | 90 | 52 |
| March | 0.0 | 39.0 | 8.0 | 80 | 39 |
| April | 0.0 | 44.0 | 15.4 | 65 | 15 |
| May | 74.8 | 46.5 | 16.2 | 74 | 36 |
| June | 22.8 | 44.5 | 22.9 | 61 | 40 |
| July | 325.6 | 38.8 | 23.2 | 81 | 70 |
| August | 168.2 | 36.5 | 23.5 | 81 | 66 |
| September | 191.4 | 37.5 | 21.6 | 84 | 69 |
| October | 134.9 | 36.0 | 15.0 | 88 | 56 |
| November | 0.0 | 33.2 | 8.0 | 89 | 43 |
| December | 0.0 | 27.0 | 4.0 | 88 | 46 |
| Total | 1089.6 |  |  |  |  |

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

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

**Development Department, GNCT, 2021**

**2.7 Details of Operational area / Villages**

| **2.7 Details of Operational area / Villages Taluka** | **Name of the block** | **Name of the village** | **Major crops & enterprises** | **Major problem identified** | **Identified Thrust Areas** |
| --- | --- | --- | --- | --- | --- |
| Alipur | Alipur | Tigipur | ***Kharif* –** Paddy,  Tomato, Cucurbits, Okra &, Brinjal, Radish, Spinach& tomato  **Summer-** Okra, Tomato, Brinjal, bottle gourd, sponge gourd, Radish  ***Rabi* -** Wheat, Cauliflower, Spinach, Radish, Onion, Pea, Marigold,  **Enterprises:**  Mushroom, Vegetables, Dairy animals Floriculture and FPO | * Problem of weeds * Intensive tillage practices in rice -wheat system & lower cropping intensity * Problem of shoot fruit & borer in okra * DBM in cauliflower Cabbage * Problem of stem borer and bakane disease in paddy crop * Repeat breeding due to prevailing feeding practices * Nutritional deficiency in onion, cucurbits, okra& tomato * Off season vegetable production. * Unaware about vaccination regarding different diseases. | * Crop diversification through inclusion of pulse crop in paddy-wheat system * Integrated weed management in paddy, wheat * Integrated nutrient management in okra. * Resource conservation practices * Integrated pest management * Off season vegetable cultivation & nursery raising under protected cultivation * Integrated crop management * Post-harvest management of vegetable crops * Soil test-based fertilizer recommendation (STFR). * Organic crop production * Integrated farming system * Use of specific minimal supplementsfor dairy animals * Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits & vegetable processing. * Use of Different vaccination against various diseases. |
| Palla | ***Kharif* -**Tomato, Cucurbits, Okra &, Brinjal, Radish & Spinach, Paddy  **Summer-** Okra, Tomato, Brinjal, Cucurbits, Radish  ***Rabi* -** Wheat, Paddy, Cauliflower, Spinach, Radish, turnip, onion Pea & Marigold,  **Enterprises:**  Mushroom, Vegetables, Floriculture, Dairy and Nursery Production | * Problem of shoot&fruit borer in okra * DBM in cauliflower * Problem of stem borer and bakane disease in paddy crop * Problems of weeds * Intensive tillage practices * Repeat breeding due to prevailing feeding practices * Nutritional deficiency in onion, cucurbits & okra * Post-harvest losses in fruit & vegetables | * Integrated Nutrient management * Resource conservation practices * Integrated pest management * Off season vegetable cultivation & nursery raising under protected cultivation * Integrated nutrient management in okra & cucurbits * Post-harvest management of vegetable crops * Soil test-based fertilizer recommendation (STFR). * Organic farming * Balanced feeding ration * Use of specific minimal supplements * Imparting vocational training for self-employment generation on fruit plant nursery raising, & livestock production |
| Dariyapur | ***Kharif* -**Tomato, Cucurbits, Okra &, Brinjal, Marigold, Radish & Spinach, Paddy  **Summer-** Okra, Tomato, Brinjal, Cucurbits, Radish  ***Rabi* -**Wheat, Mustard, Cauliflower, Spinach, Radish, Onion, Pea, Marigold  **Enterprises:**  Vegetables, Nursery Production and dairy farming | * Problem of stem borer and bakane disease in paddy crop * Problem of fruit & shoot borer in okra * DBM in cauliflower * Nutritional deficiency in onion, cucurbits & okra * Low productivity of onion * Practices of inferior variety of vegetables & flowers * Unaware about vaccination regarding different diseases. | * Crop diversification * Integrated weed management * Off season vegetable cultivation & nursery raising under protected cultivation * Integrated nutrient management in okra. * Integrated crop management * Post-harvest management of vegetable crops * Soil test-based fertilizer recommendation (STFR). * Integrated pest management of onion, okra and cauliflower * Balanced feeding ration * Use of specific minimal supplements * Use of Different vaccination against various diseases. |
| Nazafgarh | Nazafgarh | Shikarpur | ***Rabi* –** Onion, Cauliflower, Spinach, Wheat, Mustard  ***Kharif* –** Paddy,  Cucurbits, Okra &, Brinjal,  **Summer-** Okra, Brinjal& Cucurbits,  **Enterprises:**  Dairy | * Problem of saline irrigation water * Problem of stem borer and bakane disese in paddy crop * Problem of purple blotch disease and thrips in onion * Problems of weeds * Imbalance use of fertilizers * Improper management of pest of vegetables * Nutritional deficiency in onion, cucurbits & okra * Practices of inferior variety of vegetables & flowers * Repeat breeding due to prevailing feeding practices * Malnutrition in farm families * Decrease in milk production and Imbalance feeding. * Parasitic infestation in livestock due to lack of deworming and results in Calf mortality mainly in buffaloes. | * Promotion of salt tolerant HYV * Integrated nutrient management in onion, okra & cucurbits. * IDM & IPM of cauliflower and onion. * Integrated weed management. * Promotion of organic farming * Soil test based fertilizers recommendation (STRF) * Balance use of fertilizers * Integrated Disease management * Resource conservation practices * Crop diversification * Use of balanced ration and addition of nutrients and galactogogues * Use of specific deworming and proper practices to be followed. * Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, bee keeping, fruits & vegetable processing |
| Jhatikara | ***Rabi*–**Wheat**,** Onion, Mustard, Cauliflower, Spinach,  ***Kharif* -** Paddy , cucurbits, Okra &, Brinjal  **Summer-** Okra, Tomato, Brinjal & Cucurbits,  **Enterprises:**  Dairy | * Problem of saline irrigation water * Problem of stem borer and bakane disease in paddy crop * Problem of purple blotch disease and thrips in onion * Problems of weeds * Imbalance use of fertilizers * Decrease in milk production and Imbalance feeding. * Parasitic infestation in livestock due to lack of deworming and results in Calf mortality mainly in buffaloes. * Repeat breeding due to prevailing feeding practices * Malnutrition in farm families | * Promotion of salt tolerant HYV of crops * IPM & IDM in paddy. * Integrated pest management approaches. * Integrated weed management. * Promotion of organic farming * Soil test based fertilizers recommendation (STRF) * Balance use of fertilizers * Integrated Disease management * Resource conservation practices * Use of deworming specified according to livestock * Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits & vegetable processing |

**2.8 Priority thrust areas**

|  |  |
| --- | --- |
| **Crop/Enterprise** | **Thrust area** |
| Paddy | Nutrient and weed management |
| Okra | Integrated pest management |
| Cauliflower | Integrated pest management |
| Onion | Integrated pest management and varietal evaluation |
| Wheat | Resources conservation techniques-zero tillage, weed management / pest management and soil fertility management, |
| Mustard | Varietal evaluation, nutrient and weed management. |
| Dairy Farming | Balanced feeding and disease management |
| Millets | Household nutri-millets security |
| 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) |

**3. TECHNICAL PROGRAMME**

1. **A. Details of targeted mandatory activities by KVK**

|  |  |  |  |
| --- | --- | --- | --- |
| **OFT** | | **FLD** | |
| **(1)** | | **(2)** | |
| Number of OFTs | Number of Farmers | Area (ha) | Number of Farmers |
| 7 | 35 |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Training** | | **Extension Activities** | |
| **(3)** | | **(4)** | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
|  |  | 1501 | 5799 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Qtl.)** | **Planting material (Nos.)** | **Fish seed prod. (Nos)** | **Soil Samples** |
| **(5)** | **(6)** | **(7)** | **(8)** |
| 160 | 87250 | - | 400 |

**3. B. Abstract of interventions to be undertaken**

| **S. No** | **Thrust area** | **Crop/**  **Enterprise** | **Identified Problem** | **Interventions** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT if any** | **Title of FLD if any** | **Title of Training if any** | **Title of training for extension personnel if any** | **Extension activities** | **Supply of seeds, planting materials etc.** |
| 1 | Weed management and nutrient management | Wheat | low yield due to Problem of weeds  Intensive tillage practices in rice -wheat system & lower cropping intensity. | Weed Management of Wheat crop  (*Triticum aestivum* L.) | - | Weed management in wheat |  | Kisan ghosthi, Field visits, and Extension literature | Weedicide |
| 2 | Varietal evaluation | Onion | Low yield due to old variety | Assessment of onion bulblet for Kharif in NCT, Delhi | Improved variety of onion(L-883) | Improve cultivation practices of vegetables | Improve cultivation practices of vegetables | Survey Field visits  Farm  advisory services Feedback  Message | Bulblets |
| 3 | Cauliflower, Pea  Onion, Paddy | DBM Cauliflower and Thrips, purple blotch in onion | Assessment of Management of Diamond Back Moth in Cauliflower and Assessment of Management of Wilt in Pea | IPM in onion | IPM in Cauliflower, Onion and Paddy | IPM in vegetables | Extension literature, TV talk, news coverage etc. | Spinosad, Emamectin benzoate*Trichoderma*,Neem pesticide, *Pseudomonas*and‘Yellow sticky | Cauliflower, Pea  Onion, Paddy |
| 4 | Organic Farming | Crops (*Kharif and Rabi*) | Imbalance use of fertilizers, soil health hazards due to higher use agro-chemicals. | - | - | Promotion of organic farming in NCT of Delhi. | - | Vocational training, Awareness programme |  |
| 5 | Feed Management | Dairy animals | Anestrous/Repeat breeding | Health management in Dairy animals and Young Calves against Ascariasis | Management of post parturient disorder in dairy animals | Healthy dairy farming and animal health management | Dairy farming and management | Extension literature, demonstrations, Field visits, TV talks, news coverage, Demonstration. | Mineral supplements, Specific dewormer.  Herbal uterine cleanser. |
| 6 | Household food security | Seasonal vegetables | Poor health & nutritional status women & children. | Assessment of growing media in terrace gardening | Kitchen gardening | Farmers training on kitchen gardening  Training on urban farming | Kitchen gardening and terrace gardening for nutritional security | Method Demonstrations | Kitchen garden seed kit, growing media for grow bags, vegetables seeds and seedlings |
| 7 | Food & nutritional security | Pearl millet, Sorghum, Wheat, Oats | Poor health, nutritional status of farm families. | Assessment of multigrain flour in farm families | Promotion of biofortified crops | Rural youth training on value added products from millets | Poshan thali for healthy life | Method Demonstrations, folder distribution, Gosthis | Biofortified seeds of pearl millet, mustard & wheat and saplings of pomegranate |
| 8 | Agri-based enterprise | Agri-based enterprise | Imparting vocational training for self-employment generation on fruit plant nursery raising, livestock production, mushroom production, fruits & vegetable preservation processing, bee keeping  Organic farming, agro-ecotourism | - | - |  | - | Distribution of literature, participation in exhibition, ex trainee sammelan |  |

**3.1 Technologies to be assessed and refined**

A.1 Abstract on the number of technologies to be assessed in respect of **crops**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation |  | 1 |  |  | 1 |  |  |  |  | 2 |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 1 |  |  |  |  |  |  |  |  | 1 |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Drudgery reduction |  |  |  |  |  |  |  |  |  |  |
| Farm machineries |  |  |  |  |  |  |  |  |  |  |
| Value addition | 1 |  |  |  |  |  |  |  |  | 1 |
| Integrated Pest Management |  |  |  |  | 2 |  |  |  |  | 2 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology |  |  |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **2** | **1** |  |  | **3** |  |  |  |  | **6** |

**A.2. Abstract on the number of technologies to be refined in respect of crops**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Kitchen garden** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation |  |  |  |  |  |  |  |  |  |  |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |

**A.3. Abstract on the number of technologies to be assessed in respect of livestock / enterprises**

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

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

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

**B. Details of On Farm Trial**

**OFT-1(3nd Year)**

Assessment of Weed Management in Wheat (*Triticum aestivum* L.).

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Title of OFT | Problem Identified | Major cause of problem | Technological Intervention | Source of technology | Critical Inputs | Cost (Rs) of critical input | Area (ha)  of OFT | No. of replication | Performance Indicators |
|  |  |  |  |  |  |  |  |  |  |
| Assessment of Premix Broad Spectrum Herbicide for Weed Management in Wheat (*Triticum aestivum* L.). | Low yield of wheat crop | Infestation of weeds in wheat crop | T1- Farmers practice.  T2-(Sulfosulfuron 75%+ metsulfuron 5%) herbicides | ICAR-IIWBR | Sulfosulfuron, metsulfuron | Rs.400/ pkts | 0.6 | 6 | 1.Weed Control Efficiency  2.Weed Control Index  4. Seed yield q/ha |

**OFT-2 (3nd Year)**

Assessment of management of Shoot & Fruit Borer in Okra

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Title of OFT | Problem Identified | Major cause of problem | Technological Intervention | Source of technology | Critical Inputs | Cost (Rs) of critical input | Area (ha) of OFT | No. of replication | Performance Indicators |
|  |  |  |  |  |  |  |  |  |  |
| Assessment of management of Shoot & Fruit Borer in Okra | Low yield | Sever incidence of Shoot & Fruit Borer in Okra | T1 : Farmers Practice – No seed treatment (T2: Seed treatment with thiram +benomyl(1:1) @ 3g/kg of seed | IARI, New Delhi | Thiram, Benomyl | 600/- | 0.4 | 5 | No. of infected plants per 10 sqm area  Yield –Q  Increase yield (%)  **Economic indicators:**   * Cost of cultivation (Rs/ha) * Gross return (Rs/ha) * Net return (Rs/ha) * B:C Ratio |

**OFT-3 (1 Year)**

Assessment of onion bulblet for Kharif in NCT, Delhi

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT** | **Problem identified** | **Major cause of problem** | **Technological intervention** | **Source of technology** | **Critical inputs** | **Cost**  **(Rs.) of critical input** | **Area (ha) of OFT/number of animals (Cattle buffalo** | **No. of replications/ farmers** | **Performance Indicators (Technological, Economic & Farmer’s perception)** |
| Assessment of onion bulblet for Kharif in NCT, Delhi | Low yield | Low yield due old variety of Kharif onion | T0: Use of local variety  T1:*Kharif* Onion Variety L-883 | NHRDF | Seeds/  bulblets | 7500 | 01 | 05 | I. Technological –Plant height, Bulb diameter, weight of  Bulb  II. Economics : - Yield (q/ha) , BC ratio  III.Farmer’s perception - Adoption (%) |

**OFT- 4 ( Year)**

Assessment of management of Diamond Back Moth in Cauliflower.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Title of OFT | Problem Identified | Major cause of problem | Technological Intervention | Source of technology | Critical Inputs | Cost (Rs) of critical input | Area (ha) of OFT | No. of replication | Performance Indicators |
| Assessment of Management technique of Diamond Back Moth (DBM) in Cauliflower. | Low yield of Cauliflower due to insect infestation. | Sever infestation of Diamond Back Moth | TI **Farmers practice**:  Spraying of triazophos@ 2 ml/L. W. and Cartap Hydrochloride @ 2 g /L.W.  **T2 Emamectin benzoate (5 SG)@ 0.5 gram/Liter of water and 2 spray of Neemarin@ 5 ml/Liter of water solution at 15 days interval** | NCIPM, New Delhi | **Emamectin benzoate -**100ml and **Neemarin1 L.** | 930 | 0. | 5 | Mean no. of larvae per 5 plants(%)  Average yield per ha  Increase yield (%)  **Economic indicators:**   * Cost of cultivation (Rs/ha) * Gross return (Rs/ha) * Net return (Rs/ha) * B:C Ratio |

**OFT-5 (1st Year)**

Assessment of multigrain flour in farm families

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT** | **Problem Identified** | **Technological Intervention** | **Source of technology** | **Critical Inputs** | **Cost (Rs.) of critical input** | **Area (ha) of OFT** | **No. of replication** | **Performance Indicators** |
| Assessment of multigrain flour in farm families | The trending lifestyle, armerous stress, and negligence of a healthy diet have led to cause many diseases such as hypertension, diabetes, obesity etc. | T1 – Wheat flour  T2– Multigrain flour (made with wheat (50%) flour, pearl millet (10%), sorghum (15%), barley (15%), and oats (10%) | IARI, New Delhi | Wheat flour, pearl millet flour, sorghum flour, barley flour, and oats flour | 300/- per demo  Total Cost Rs.3000/- | - | 10 | **Technological Indicator:** Sensory  Nutrition analysis  **Economic indicators:**   * Cost of production (Rs/kg) * B:C Ratio   **Farmers perception**:   * Adoptability/ Accessibility |

**OFT-6 (2nd Year)** : Assessment of salt tolerant varieties of mustard

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Title of  OFT | Problem  identified | Major  cause of  problem | Technological  intervention | Source of  technolog | Critical  inputs | Cost(R  s.) of  critical  input | Area  (ha) of  OFT | No. of  replications/  farmers | Performance Indicators  (Technological, Economic &  Farmer’s perception) |
| Assessment  of salt  tolerant  varieties of  mustard | Low yield  of mustard | Low  yield of  mustard  due to  saline  irrigation  water | T1: Cultivation of  local variety – T59  (Farmer’s practice)  T2: Cultivation of  CS-60 salt tolerant  variety | ICAR,-  CSSRI,  Karnal | Seed | 2000 | 2 | 5 | I. Technological – No. of  branches/ plant  No of siliquae / plant.  Yield (q/ha)  II. Economics : -  BC Ratio  III. Farmer’s perception -  Adoption (% |

**OFT-7 (2nd Year)**

Health management in Dairy animals and young calves against Ascariasis.

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Title of  OFT | Problem  identified | Major  cause of  problem | Technological  intervention | Source of  technology | Critical  inputs | Cost  (Rs) of  critical  input | Area  (ha) of  OFT | No. of  replications/  farmers | Performance Indicators  (Technological, Economic &  Farmer’s perception) |
| Impact of Deworming against Ascariasis on growth and performance of young calves and buffaloes. | Death of Young calves due to Endoparasite infestation in bovines | Parasitic infestation | T1-Farmers practice.  T2–Oral route : Piperazine, Fenbendazole and Parental route: Lemasol, Tribivet. | ICAR-IVRI, Izatnagar | Medicines :  Piperazine, Fenbendazole and Parental route: Lemasol | Rs 600/Trial | - | 5 | **I Technological –** Mortality  II**. Economical** : - Milk yield  III. Farmer’s perception -  Adoption (%) |

**3.2 Frontline Demonstrations**

A. Details of FLDs to be organized –

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/  demon. | Parameters identified |
| 1 | Mustard | RH 725 | ICM | Newly released variety+ Seed treatment+ Nutrient management and Weed management | Seed, sulphur, bio-fertilizer, fungicide, insecticide & *Trichoderma* | *Rabi- 2023* | 20 | 50 | Yield and yield attributes,  Economics- Rs/ha |
| 2 | Summer mung | Pusa 1431 | ICM | Newly released variety+ Seed treatment+ Nutrient management and Weed management | Seed, biofertilizer, fungicide | *Summer 2023* | 30 | 75 | Yield and yield attributes, Economics- Rs/ha |
| 3 | Chickpea | GNG-2171 | ICM | Newly released variety+ Seed treatment+ Nutrient management and Weed management | Seed, biofertilizer, fungicide, insecticide | *Rabi- 2023* | 20 | 50 | Yield and yield attributes, Economics- Rs/ha |
| 4 | Marigold | Punjab Gainda-1i | Varietal Evaluation | Improved Variety of marigold | Seeds/seedlings | Kharif | 0.1 | 10 | Yield kg/ha.  Economics- Rs |
| 5 | Onion | NHRDF Furgungi | IPM | Soil &Seed treatment  Yellow sticky  Foliar application neem pesticide | *TrichodermaviridePseudomonas,*  Yellow sticky  &Neem pesticide | *Rabi*2023 | 2 | 5 | No. of Thrips / plant  Purple blotch incidence (%)  Yield kg/ha  Economics- Rs |
|  |  |  |  |  | **Total** |  | **72.1** | **190** |  |

**Sponsored Demonstration**

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

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S. No.** | **Activity** | **No. of activities** | **Month** | **Number of participants** |
| 1 | Field days | 5 | Feb.-2023, March-2023, June- 2023,September, 2023  November 2023 | 300 |
| 2 | Farmers Training | 5 | March-2023, May-2023, July- 2023,October- 2023, November- 2023, | 135 |
| 3 | Media coverage | 2 | March 2023  November 2023 |  |
| 4 | Training for extension functionaries |  |  |  |

**C. Details of FLD on Enterprises**

**(i) Nutritional Kitchen Gardening**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the Enterprise** | **Crop** | **Season and year** | **No. of farmers** | **Area (ha)** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Nutritional Kitchen Gardening | Kitchen gardening | *Rabi* | 10 | 0.2 | Seeds, seedlings, *Trichoderma viridi* & vermin compost | Yield/kg/season  Saving: kg/season |
| Promotion of terrace gardening in urban areas | Seasonal vegetables & fruits | *Rabi* | 10 | 0.02 | Seeds, seedlings, *Trichoderma viridi* & vermin compost | Yield/kg/season  Saving: kg/season |

**(ii) Farm Implements**

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

**(ii) 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 | Expulsion of placenta, |
| Livestock | Buffalo | 10 | 10 | Herbal Galactogogues | Yield ltr/ animal  Adoption %age |

**Others Details of FLDs under NARI programme –**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/  demon | Parameters identified |
| 1 | Wheat | DBW-303 | Nutrition security | Promotion of nutrient rich variety | Seed | *Rabi* 2023-24 | 4 | 10 | Presence of macro nutrients |
| 2 | Pearl Millet | AHB-1200Fe | Nutrition security | Promotion of nutrient rich variety | Seed | *Kharif 2023* | 2 | 5 | Presence of micro nutrients |
| 3 | Pomegrante | Solapur Lal | Nutrition security | Promotion of nutrient rich variety | Saplings | *Rainy*  *2023-24* | 0.2 | 5 | Presence of micro nutrients |
| 4 | Mustard | PM 31 & 32 | Nutrition security | Promotion of nutrient rich variety | Seeds | *Rabi* 2023-24 | 4 | 10 | Presence of micro nutrients |

* 1. **Training (Including the sponsored and FLD training programmes):**
  2. **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 | 1 | | 15 | 0 | | | 15 | | 5 | | 0 | 5 | 20 | |
| Resource Conservation Technologies |  | |  |  | | |  | |  | |  |  |  | |
| Cropping Systems | 1 | | 15 | 0 | | | 15 | | 5 | | 0 | 5 | 20 | |
| Crop Diversification |  | |  |  | | |  | |  | |  |  |  | |
| 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 |  | |  |  | | |  | |  | |  |  |  | |
| **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 |  | |  |  | | |  | |  | |  |  |  | |
| **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 | - | | | 30 | | 10 | | - | 10 | 40 | |
| 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 | 2 | | 30 | - | | | 30 | | 10 | | - | 10 | 40 | |
| **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 |  | |  |  | | |  | |  | |  |  |  | |
| 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 | - | 20 | |
| Minimization of nutrient loss in processing |  |  | | |  | |  | |  | |  |  |  | |
| Gender mainstreaming through SHGs |  |  | | |  | |  | |  | |  |  |  | |
| Storage loss minimization techniques |  |  | | |  | |  | |  | |  |  |  | |
| Value addition | 1 | - | | | 15 | | 15 | | - | | 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 | 1 | 15 | | | 0 | | 15 | | 5 | | 0 | 5 | 20 | |
| Integrated Disease Management | 1 | 15 | | | 0 | | 15 | | 5 | | 0 | 5 | 20 | |
| 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 |  |  | | |  |  | |  | |  | |  | |  |
| Formation and Management of SHGs |  |  | | |  |  | |  | |  | |  | |  |
| Mobilization of social capital |  |  | | |  |  | |  | |  | |  | |  |
| Entrepreneurial development of farmers/youths |  |  | | |  |  | |  | |  | |  | |  |
| WTO and IPR issues |  |  | | |  |  | |  | |  | |  | |  |
| **XI Agro-forestry** |  |  | | |  |  | |  | |  | |  | |  |
| Production technologies |  |  | | |  |  | |  | |  | |  | |  |
| Nursery management |  |  | | |  |  | |  | |  | |  | |  |
| Integrated Farming Systems |  |  | | |  |  | |  | |  | |  | |  |
| **XII Others (Pl. Specify)** |  |  | | |  |  | |  | |  | |  | |  |
| **TOTAL** | **16** | **210** | | | **30** | **240** | | **70** | | **10** | | **80** | | **320** |
| **(B) RURAL YOUTH** |  |  | | |  |  | |  | |  | |  | |  |
| Mushroom Production | 1 | 15 | | | 0 | 15 | | 5 | | 0 | | 5 | | 20 |
| Bee-keeping | 1 | 15 | | | 0 | 15 | | 5 | | 0 | | 5 | | 20 |
| Integrated farming |  |  | | |  |  | |  | |  | |  | |  |
| Seed production |  |  | | |  |  | |  | |  | |  | |  |
| Production of organic inputs |  |  | | |  |  | |  | |  | |  | |  |
| Integrated Farming | 1 | 15 | | | 0 | 15 | | 5 | | 0 | | 5 | | 20 |
| 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 | 5 | | | 10 | 15 | | 1 | | 4 | | 5 | | 20 |
| 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 |  |  | | |  |  | |  | |  | |  | |  |
| Post Harvest Technology |  |  | | |  |  | |  | |  | |  | |  |
| Tailoring and Stitching |  |  | | |  |  | |  | |  | |  | |  |
| Rural Crafts |  |  | | |  |  | |  | |  | |  | |  |
| **TOTAL** | **8** | **110** | | | **10** | **120** | | **36** | | **4** | | **40** | | **160** |
| **(C) Extension Personnel** |  |  | | |  |  | |  | |  | |  | |  |
| Productivity enhancement in field crops |  |  | | |  |  | |  | |  | |  | |  |
| Integrated Pest Management |  |  | | |  |  | |  | |  | |  | |  |
| Integrated Nutrient management | 1 | 15 | | | - | 15 | | 5 | | - | | 5 | | 20 |
| 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) |  |  | | |  |  | |  | |  | |  | |  |
| **TOTAL** | **9** | **75** | | | **80** | **155** | | **25** | | **20** | | **45** | | **200** |
| **G. Total** | **33** | **395** | | | **120** | **515** | | **131** | | **34** | | **165** | | **680** |

* 1. **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 | 2 | | | 30 | 0 | | | 30 | 10 | | 0 | | | 10 | | | | | 40 | |
| Fodder production |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of organic inputs |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| **II Horticulture** | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Production of low volume and high value crops |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Off-season vegetables |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nursery raising | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Exotic vegetables like Broccoli | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| Export potential vegetables |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Grading and standardization | 1 | | | 15 | 0 | | | 15 | 5 | | 0 | | | 5 | | | | | 20 | |
| 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 | 3 | | | 45 | - | | | 45 | 15 | | - | | | 15 | | | | | 60 | |
| Soil and Water Conservation |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Integrated Nutrient Management | 2 | | | 30 | - | | | 30 | 10 | | - | | | 10 | | | | | 40 | |
| Production and use of organic inputs | 1 | | | 15 | - | | | 15 | 5 | | - | | | 5 | | | | | 20 | |
| Management of Problematic soils |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Micro nutrient deficiency in crops |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Nutrient Use Efficiency |  | | |  |  | | |  |  | |  | | |  | | | | |  | |
| Soil and Water Testing | 2 | | | 30 | - | | | 30 | 10 | | - | | | 10 | | | | | 20 | |
| **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 | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Design and development of low/minimum cost diet | | 1 | - | | 15 | 15 | | | - | | | 5 | | | 5 | | 20 | | | |
| 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 | | 2 | 30 | | 0 | 30 | | | 10 | | | 0 | | | 10 | | 40 | | | |
| Integrated Disease Management | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Bio-control of pests and diseases | | 1 | 15 | | 0 | 5 | | | 20 | | |  | | | 5 | | 20 | | | |
| 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 | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Formation and Management of SHGs(HS) | | 2 | 30 | | 0 | 30 | | | 10 | | | 0 | | | 10 | | 40 | | | |
| Mobilization of social capital | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Entrepreneurial development of farmers/youths (Agro.) | | 1 | 15 | | 0 | 15 | | | 5 | | | 0 | | | 5 | | 20 | | | |
| WTO and IPR issues | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XI Agro-forestry** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production technologies | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Nursery management | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Farming Systems (Agro) | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XII Others (Pl. Specify)** | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **TOTAL** | | **38** | **465** | | **105** | | **570** | | | **155** | | | **35** | | | **190** | | **760** | | | |

**C) 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 | 3 | | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| Resource Conservation Technologies | 1 | | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| 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 | 3 | | 45 | 0 | 45 | 15 | 0 | 15 | 60 |
| Fodder production |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  | |  |  |  |  |  |  |  |
| **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 | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Exotic vegetables like Broccoli | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Export potential vegetables | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Grading and standardization | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| 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 | 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 | 4 | 60 | | - | 60 | 20 | - | 20 | 80 |
| Soil and Water Conservation |  |  | |  |  |  |  |  |  |
| Integrated Nutrient Management | 3 | 45 | | - | 45 | 15 | - | 15 | 60 |
| Production and use of organic inputs | 1 | 15 | | - | 15 | 5 | - | 5 | 20 |
| Management of Problematic soils |  |  | |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  | |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  | |  |  |  |  |  |  |
| Soil and Water Testing | 4 | 60 | | - | 60 | 20 | - | 20 | 80 |
| **IV Livestock Production and Management** |  |  | |  |  |  |  |  |  |
| Dairy Management | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Poultry Management | 2 | 30 | | 0 | 30 | 10 | 0 | 10 | 40 |
| Piggery Management |  |  | |  |  |  |  |  |  |
| Rabbit Management/goat |  |  | |  |  |  |  |  |  |
| Disease Management | 4 | 60 | | 0 | 60 | 20 | 0 | 29 | 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 | 1 | - | | 15 | 15 | - | 5 | 5 | 20 |
| Designing and development for high nutrient efficiency diet | 2 | - | | 30 | 30 | - | 10 | - | 40 |
| 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 | 2 | 5 | | 25 | 30 | 1 | 9 | 10 | 40 |
| 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 |  |  | |  |  |  |  |  |  |
| **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 |  |  | |  |  |  |  |  |  |
| Fish processing and value addition |  |  | |  |  |  |  |  |  |
| **X Capacity Building and Group Dynamics** |  |  | |  |  |  |  |  |  |
| Leadership development |  |  | |  |  |  |  |  |  |
| Group dynamics |  |  | |  |  |  |  |  |  |
| Formation and Management of SHGs | 2 | 30 | | 0 | 30 | 10 | 0 | 10 | 40 |
| Mobilization of social capital |  |  | |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| WTO and IPR issues |  |  | |  |  |  |  |  |  |
| **XI Agro-forestry** |  |  | |  |  |  |  |  |  |
| Production technologies |  |  | |  |  |  |  |  |  |
| Nursery management |  |  | |  |  |  |  |  |  |
| Integrated Farming Systems |  |  | |  |  |  |  |  |  |
| Sponsored training |  |  | |  |  |  |  |  |  |
| **TOTAL** | **54** | **540** | | **185** | **725** | **180** | **55** | **235** | **960** |
| **(B) RURAL YOUTH** |  |  | |  |  |  |  |  |  |
| Mushroom Production | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Bee-keeping | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Integrated farming | 1 | 15 | | 0 | 15 | 5 | 0 | 5 | 20 |
| Seed production |  |  | |  |  |  |  |  |  |
| Production of organic inputs |  |  | |  |  |  |  |  |  |
| Planting material production |  |  | |  |  |  |  |  |  |
| Vermi-culture | 1 | 15 | | - | 15 | 5 | - | 5 | 20 |
| Sericulture |  |  | |  |  |  |  |  |  |
| 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 | 5 | | 10 | 15 | 1 | 4 | 5 | 20 |
| 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 |  |  | |  |  |  |  |  |  |
| 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 | 5 | | 10 | 15 | 1 | 4 | 5 | 20 |
| Production of quality animal products |  |  | |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  | |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  | |  |  |  |  |  |  |
| Small scale processing |  |  | |  |  |  |  |  |  |
| Post Harvest Technology |  |  | |  |  |  |  |  |  |
| Tailoring and Stitching |  |  | |  |  |  |  |  |  |
| Rural Crafts |  |  | |  |  |  |  |  |  |
| **TOTAL** | **8** | **110** | | **10** | **120** | **36** | **4** | **40** | **160** |
| **(C) Extension Personnel** |  |  | |  |  |  |  |  |  |
| Productivity enhancement in field crops |  |  | |  |  |  |  |  |  |
| Integrated Pest Management |  |  | |  |  |  |  |  |  |
| Integrated Nutrient management | 1 | 15 | | - | 15 | 5 | - | 5 | 20 |
| 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) |  |  | |  |  |  |  |  |  |
| **TOTAL** | **9** | **75** | | **80** | **155** | **25** | **20** | **45** | **200** |
| **G. Total** | **71** | **650** | | **275** | **925** | **241** | **79** | **482** | **1407** |

## Details of training programmes attached in Annexure -I

**3.4. 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 | 240 | 60 | 300 | 20 | 5 | 25 | 260 | 65 | 325 |
| Kisan Ghosthi | 5 | 160 | 30 | 190 | 5 | 5 | 10 | 170 | 30 | 200 |
| Exhibition | 2 | 500 | 150 | 650 | 50 | 10 | 60 | 550 | 160 | 710 |
| 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 | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Radio talks | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 5 |
| TV talks | 20 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 20 |
| Popular articles | 25 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 16 |
| Extension Literature | 15 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 6 |
| **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 | 500 | 350 | 0 | 350 | 0 | 0 | 0 | 350 | 0 | 350 |
| Diagnostic visits | 60 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 60 |
| Exposure visits | 5 | 120 | 20 | 140 | 5 | 0 | 5 | 125 | 20 | 145 |
| Soil health Camp | 5 | 75 | 25 | 100 | 5 | - | 5 | 80 | 25 | 105 |
| Animal Health Camp | 1 | 15 | 5 | 20 | 5 | 0 | 5 | 20 | 5 | 25 |
| Soil test campaigns | 10 | 150 | 50 | 200 | 10 | - | 10 | 160 | 50 | 210 |
| Seed treatment campaign | 1 | 95 | 5 | 100 | - | - | - | 95 | 5 | 100 |
| Farm Science Club Conveners meet | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Self Help Group meetings | 12 | - | 700 | 700 | - | 10 | 10 | - | 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 | 0 | 0 | 0 | 0 | 0 |
| National Science Day | 1 | 40 | 10 | 50 | 6 | 0 | 6 | 46 | 10 | 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 | - | - | - | 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 |
| Rashtriya Poshan Maah / Vatika | 1 | 10 | 80 | 90 | 4 | 2 | 6 | 14 | 82 | 96 |
| Mahila Kisan Diwas | 1 | 0 | 40 | 40 | 4 | 2 | 6 | 4 | 42 | 46 |
| World Soil Day | 1 | 60 | 10 | 70 | 8 | 2 | 10 | 68 | 12 | 80 |
| Kisan Diwas | 1 | 40 | 20 | 60 | 6 | 2 | 8 | 46 | 24 | 70 |
| Pre Kharif workshop | 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** | **1501** | **3850** | **1550** | **5400** | **210** | **62** | **272** | **4060** | **1612** | **5799** |

**3.5 Target for Production and supply of Technological products**

**SEED MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (qtl.)** |
|
| **1** | Wheat | HD -3226 | 50 |
| **2** | Mustard | Pusa Vijay& Giriraj | 80 |
| **3** | Palak | Pusa All Green | 30 |

**PLANTING MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (Nos.)** |
| **1** | Tomato | Himsona | 25000 |
| **2** | Onion | NHRDF Red-3, Red-4 | 25 qtl. Seedling |
| **3** | Brinjal | PusaUttam, S-992 | 10000 |
| **4** | Chilli | Sakata 653, VNR-75 | 5000 |
| **5** | Cauliflower | Shreya | 2500 |
| **6** | Cabbage | Golden acre | 1500 |
| **7** | Broccoli | NS-1253 | 500 |
| **8** | Bottle gourd | Pusa Naveen | 2500 |
| **ORNAMENTAL CROPS** | | | |
|  | Marigold | Pusa Narangi,Punjab Gainda No.1 | 10000 |
| **Fruit Plants** |  |  |  |
|  | Kinnow | Punjab kinnow | 250 |
|  | Papaya | Rred lady 786 | 2500 |
| **Other** |  |  |  |
|  | Drumstick | PKM-1 | 2500 |

**Bio-products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | |
| **No** | **(kg)** |
| **BIO PESTICIDES** |  |  |  |  |
| 1 | Trichoderma | - |  | 100 |
| 2 | Beauveria | - |  | 20 |
| 3 | Pseudomonas | - |  | 20 |
| 4 | SHNP | - |  | 20 |

**LIVESTOCK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Type** | **Breed** | **Quantity** | |
| **(Nos)** | **Unit** |
| Cattle |  |  |  |  |
| GOAT |  |  |  |  |
| SHEEP |  |  |  |  |
| POULTRY |  |  |  |  |
| Pig farming |  |  |  |  |
| FISHERIES |  |  |  |  |

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

1. **KVK News Letter**

Date of start : January – June 2023 & July – December 2023

Number of copies to be published :200

**(B) Literature developed/published**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Topic** | **Number** |
| 1 | Research paper each scientist | 2 |
| 2 | Technical reports | 6 |
| 3 | News letters | 2 |
| 4 | Training manual all discipline | 6 |
| 5 | Popular article | 15 |
| 6 | Extension literature | 4 |
|  | **Total** | **35** |

**(C) Details of Electronic Media to be Produced**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
| 1 | CD | On KVK Delhi | 1 |
| 2 | CD | Success story of Entrepreneur | 04 |
| 3 | CD | Solar Farm Demonstration Unit | 1 |
| 4 | Video Film | Many videos film will be developed on KVK Extension and Success activities | 20 |

* 1. **Success stories/Case studies identified for development as a case.**

In-Situ Crop Residue Management by New Farm Machineries

a. Brief introduction

b. Interventions

c. Output

d. Outcomes

e. Impact

i) Social economic

ii) Bio-Physical

f. Good Action Photographs

**3.8 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.

**3.9 For OFT:**

i) PRA

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 farmers level
3. Existing cropping system √
4. Others if any

**3.10 Field activities**

1. Name of villages identified/adopted with block name (2022):
2. Block: Najafgarh/Kapashera :Villages: Kanganheri, Shikarpur,Jhatikara& Daulat Pur

Block: Alipur : Villages: Tigipur, Palla, Jangola,Sungerpur & Dariyapur

1. No. of farm families selected per village: 10
2. No. of survey/PRA conducted: 05
3. No. of technologies taken to the adopted villages: 5
4. Name of the technologies will be found suitable by the farmers of the adopted

Villages crop residue management (CRM), OFT, FLD, Marketing and Enterprises.

1. Impact (production, income, employment, area/technological–horizontal/vertical): To be assessed
2. Constraints if any, in the continue application of improve technologies: Will be assessed

**3.11. Activities of Soil and Water Testing Laboratory NA**

Status of establishment of Lab:

1. Year of establishment :

2. List of equipments purchase with amount

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name of the equipment | Quantity | Cost (Rs) |
| 1 |  |  |  |

3. Targets of samples for analysis:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples | No. of Farmers | No. of Villages | Amount to be realized |
| Soil Samples | 400 | 400 | 30 | - |
| Water | 100 | 100 | 25 | - |
| Plant | 250 | 300 | 20 | - |
| Total | 750 | 800 | 75 |  |

**4.0 LINKAGES**

**4.1 Functional linkage with different organizations**

|  |  |  |
| --- | --- | --- |
| Organization | Purpose | Activities |
| Central Govt | | |
| 1. Ministry of Agriculture and Farmer Welfare, GOI 2. Min. of Skill Development, Agril., Rural Dev. & Finance 3. Ministry of Power and Renewable Energy 4. Min. of small and microenterprises | To develop the Skill of rural youths for self-employment, To control the residue burning in NCT Delhi, Financial Support | Trainings, Projects, , Exposure Visits, Demonstrations |
| 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. CSWR, Avikanagar | Introduction of newly released varieties and technologies suitable for existing farming situations | CFLD, FLD’s, OFT’s, Seed Production at KVK Farm, Farmers Tour, Training & Projects, Teaching Aids, Exposure Visits and Demonstrations |
| State Agricultural Universities | | |
| 1. CCS Haryana Agricultural University, Hisar 2. Punjab Agriculture University, Ludhiana (PB) 3. NDAUAT, Ayodhaya | Introduction of newly varieties and technology in NCT, Delhi | OFT’s, FLD’s, Technical Support , Exposure Visits |
| Line department of NCT Delhi | | |
| 1. Dept. of Agriculture & Horticulture, Govt. of NCT Delhi 2. Department Animal Husbandary&, Fishery, GNCT, Delhi 3. Department of women & child development & department of education 4. DM Office Kapashera, SDM Office, Nazafgarh, 5. 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, Bhiwani, Sonipat, Karnal, Kota | Mutual Transfer of Knowledge & Skill among Farming Community | Exposure Visits, Transfer of Technology and Trainings |
| Other Organizations |  |  |
| NABARD DSCB&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 |

4.2 Details of linkage with ATMA

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 | Pre- Kharif Sammelan | Awareness programme for Introduction of newly released varieties and technologies suitable for existing farming situationsExposure Visits, Transfer of Technology and Trainings |
| 2 | Pre-Rabi Sammelan | -Do-, |
| 3 | Exposure Visits | -Do-, |
| 4 | Training programme (04) | ,-do- |

**4.3 Give details of programmes under National Horticultural Mission**

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

**4.4 Nature of linkage with National Fisheries Development Board NA**

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

**5.0 Utilization of hostel facilities NA**

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

**6.0 Convergence with departments:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Category** | **Technological backstopping** | **Names of the team members involved** |
| **1** | Agriculture | Cerealsproduction 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 |  |

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

* Mustard Variety Giriraj was demonstrated under CFLD Mustard and the response from the farmers was found to be satisfactory.
* 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.
* Chick pea variety GNG 1958 was demonstrated by KVK and a higher yield was reported by the farmers practice.

**8.0 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 demonstration 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.

## Annexure - I

## Training Programme

**i) 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 | Improved agro- techniques for rice crop production | 2 | 15 | - | 15 | 5 | - | 5 | 20 |
| Nov | PF | Integrated nutrient management in Rabi season crops | 2 | 15 | - | 15 | 5 | - | 5 | 20 |
| Dec | PF | Integrated Weed Management in Wheat crop | 2 | 15 | - | 15 | 5 | - | 5 | 20 |
| **Horticulture** |  |  |  |  |  |  |  |  |  |  |
| October | PF | Management of Potted indoors and out door plants | 02 | 15 |  | 15 | 5 |  | 5 | 20 |
| November | PF | Off season Vegetable production | 02 | 15 |  | 15 | 5 |  | 5 | 20 |
| **Livestock prod.** | | | | | | | | | | |
| September | PF | Dairy farming: A commercial entrepreneurship | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| November | PF | Poultry Farming: feeding and disease management in broiler poultry farm | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| **Home Sc.** | | | | | | | | | | |
| March | RY | Nutrition security & income generation through millets | 4 | - | 15 | 15 | - | 5 | - | 20 |
| July | PF | Value addition of Mango | 4 | - | 15 | 15 | - | 5 | - | 20 |
| September | PF | Value added products from millets | 4 | - | 15 | 15 | - | 5 | - | 20 |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Plan prot.** | | | | | | | | | | | |
| July | | PF | Integrated Pest Management of paddy | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Nov. | | PF | Integrated Pest Management of wheat | 2 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| December | | PF | Eco-friendly approaches for pest & disease management in field crops | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **Soil Health** | | | | | | | | | | | |
| March | PF | | Impotence of Soil and Water Testing for soil Health | 2 | 30 | - | 30 | 10 | - | 10 | 40 |
| October | PF | | Integrated nutrient Management Rabi Crops | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| Novemebr | PF | | Soil Fertility Management | 2 | 15 | - | 15 | 5 | - | 5 | 20 |

**i) 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** | | | | | | | | | | | | | | |
| July | PF | | Integrated weed management in Rice crop | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| June | PF | | Agro techniques for rice nursery raising and transplanting | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| July | PF | | Integrated Nutrient Management in Rice Crop | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| Oct. | PF | | Integrated Nutrient Management in Oilseed | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| September | PF | | Integrated Weed Management practices in Pulses | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| Nov. | PF | | Integrated Weed Management practices in Rabi Crops | | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| **Horticulture** | | | | | | | | | | | | | | |
| May | PF | | Establishment of new Orchard and their management | | | | 2 | 15 |  | 15 | 5 |  | 5 | 20 |
| September | PF | | Exotic vegetable cultivation for more income | | | | 2 | 15 |  | 15 | 5 |  | 5 | 20 |
| April | PF | | Post harvest management of onion crop | | | | 2 | 15 |  | 15 | 5 |  | 5 | 20 |
| July | PF | | Nursery raising of *Kharif* season vegetables | | | | 2 | 15 |  | 15 | 5 |  | 5 | 20 |
| May | PF | | Establishment of new Orchard and their management | | | | 2 | 15 |  | 15 | 5 |  | 5 | 20 |
| **Live Stock Production**. | | | | | | | | | | | | | | |
| March | PF | | | Balanced feeding in dairy animals | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| April | PF | | | Heat stress management in Dairy Animals | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| May | PF | | | Broiler farming: A profitable enterprise | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| June | PF | | | Disease Management and Vaccination in livestock. | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| August | PF | | | Reproductive management in dairy animals | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| November | PF | | | Cold weather management in dairy animals | | | 4 | 15 | - | 15 | 5 | - | 5 | 20 |
| **Agril. Ext.** | | | | | | | | | | | | | | |
| April | PF | | | | Training programme for formation of cluster based Kisan Club, FPO and SHG | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| July | PF | | | | Formation and Management of FPOs & SHGs | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| Aug. | PF | | | | Training on leadership Development Training programme for Entrepreneurial development through various agriculture enterprise | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **Home Sc.** | | | | | | | | | | | | | | |
| January | | PF | | | Minimization of nutrient loss in processing of millets | | 4 | - | 15 | 15 | - | 5 | 5 | 20 |
| April-June | | PF | | | Wheat storage and management | | 4 | - | 15 | 15 | - | 5 | 5 | 20 |
| August | | PF | | | Design and development of low/minimum cost diet for adolescents | | 2 | - | 15 | 15 | - | 5 | 5 | 20 |
| October | | PF | | | Income generation activities for empowerment of rural Women | | 2 | - | 15 | 15 | - | 5 | 5 | 20 |
| November | | PF | | | Nutrient rich product development from millets | | 2 | - | 15 | 15 | - | 5 | 5 | 20 |
| December | | PF | | | Value addition of seasonal vegetables & fruits | | 4 | - | 15 | 15 | - | 5 | 5 | 20 |
| **Plant Protection** | | | | | | | | | | | | | | |
| March | PF | | | | Safe and judicious use of pesticide | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| October | PF | | | | Biological control of insect pest of cauliflower | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| April | PF | | | | Integrated disease management of tomato | | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| **Soil health** | | | | | | | | | | | | | | |
| April | PF | | | | Impotence of Soil and Water Testing for soil Health | | 4 | 15 | - | 15 | 5 | - | 5 | 200 |
| June | PF | | | | Role of green manuring to improve soil health | | 2 | 15 | - | 15 | 5 | - | 5 | 200 |
| July | PF | | | | Balance use of fertilizer in paddy crops | | 2 | 15 | - | 15 | 5 | - | 5 | 200 |
| Nov. | PF | | | | Integrated nutrient Management Mustard Crops | | 21 | 15 | - | 15 | 5 | - | 5 | 200 |
| December | PF | | | | Importance of Soil Health Card for soil fertility management | | 4 | 15 | - | 15 | 5 | - | 5 | 200 |

## 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** |
| Vermicompost | Production of organic inputs | Vermicompost Production Technology | Feb | 21 | 15 | - | 15 | 5 | - | 5 | 20 |
| Animal Husbandry | Dairy Farming | Advances in livestock farming for increase production. | April | 21 | 15 |  |  | 5 |  |  | 20 |
| Organic Farming | Production of organic inputs | Organic Farming and preparation of organic inputs. | May | 21 | 15 | - | 15 | 5 | - | 5 | 20 |
| Horticulture crops | Nursery Management of Horticulture crops for Employment generation | Gardener cum nursery raiser | July/  September | 21 | 15 | - | 15 | 5 | - | 5 | 20 |
| Integrated Farming System | Employment  generation | Employment generation through Integrated Farming System and Agro-Tourism | August | 21 | 15 | 0 | 15 | 5 | 0 | 5 | 15 |
| Animal Husbandry | Goat Farming | Scientific Goat Farming | September | 10 | 15 |  |  | 5 |  |  | 20 |
| Mushroom Production | Employment generation | Mushroom Production | October | 21 | 15 | 2 | 17 | 3 | - | 3 | 20 |
| Fruits & vegetables | Post harvest management | Preservation & processing of fruits & vegetables | November | 21 | 10 | 10 | 20 | 1 | 4 | 5 | 25 |
| Bee Keeping | Employment generation | Bee Keeping | December | 21 | 15 | - | 15 | 5 | - | 5 | 20 |

**iii) Training programme for extension functionaries**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
| **On Campus** | | | | | | | | | | | |
| March | | Aanganwadi workers & supervisors | Value added products from millets | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| May | | Agri Extension officer/progressive farmers | Importance of soil and water testing for soil fertility management | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| August | | Development Department, Delhi | Capacity building for ICT application | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| September | | Aanganwadi workers & supervisors | Kitchen/Terrace gardening for nutritional security | 2 | - | 40 | 40 | - | 10 | 10 | 50 |
| September | | Agri Extension officer/progressive farmers | Care and maintenance of farm machinery and implements | 4 | 15 | 0 | 15 | 5 | 0 | 5 | 20 |
| October | | Animal Husbandry Department, Delhi | Various Zoonotic diseases and their managemental practices in livestock. | 1 | 15 | - | 15 | 5 | - | 5 | 20 |
| December | | Aanganwadi workers & supervisors | Nutritional security through millets | 1 | - | 20 | 20 | - | 5 | 5 | 25 |
| December | | Agri Extension officer/progressive farmers | Protected cultivation technology | 1 | 15 |  | 15 | 5 |  | 5 | 20 |

**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 progdramme** | | | | | | | | | | | |
| Horticulture | NHRDF |  | Major Thriving Varieties and Production Technology of Onion | 5 | 100 | 10 | 110 | 15 | - | 15 | 125 |
| 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 |
| Agri. Extension | ATMA Scheme through Govt. of GNCT, Delhi | Farmers | Modern technology & Good Agriculture Practices in *Rabi* and *Summer* Season | 4 | 100 | 10 | 100 | 10 | 0 | 10 | 120 |
|  |  |  | **Total** | **11** | **240** | **30** | **270** | **31** | **4** | **35** | **305** |

**Work Plan under NARI (Nutri-Sensitive Agriculture Resources and Innovation) during the year 2023**

The activities on three sub-heads will be carried out through trainings, demonstrations and other extension activities:

1. Nutri-Thali

2. Biofortified varieties

3. Kitchen Gardening

1. **Trainings on Nutri thali and Kitchen gardening**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **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** |
|  | | | | | | | | | | | |
| January | PF | Development of value added products from millets |  | - | | 15 | 15 | - | 5 | 5 | 20 |
| March | PF | Importance of Nutri thali for better human health |  | - | | 15 | 15 | - | 5 | 5 | 20 |
| February | EF | Kitchen gardening for food & nutrition security |  | - | | 15 | 15 | - | 5 | 5 | 20 |
| October | PF | Value added products from biofortified variety of pearl millet |  | - | | 15 | 15 | - | 5 | 5 | 20 |

1. **Front line demonstrations on biofortified crops**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Variety | Thematic area | Technology for demonstration | Critical inputs | Season and year | Area (ha) | No. of farmers/  demon | Parameters identified |
| 1 | Wheat | DBW-303 | Nutrition security | Promotion of nutrient rich variety | Seed | *Rabi* 2023-24 | 4 | 10 | Presence of macro nutrients |
| 2 | Pearl Millet | AHB-1200Fe | Nutrition security | Promotion of nutrient rich variety | Seed | *Kharif 2023* | 2 | 5 | Presence of micro nutrients |
| 3 | Pomegrante | Solapur Lal | Nutrition security | Promotion of nutrient rich variety | Saplings | *Rainy*  *2023-24* | 0.2 | 5 | Presence of micro nutrients |
| 4 | Mustard | PM 31 & 32 | Nutrition security | Promotion of nutrient rich variety | Seeds | *Rabi* 2023-24 | 4 | 10 | Presence of micro nutrients |

1. **Demonstrations on Nutritional Kitchen Gardening**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of the Enterprise** | **Crop** | **Season and year** | **No. of farmers** | **Area (ha)** | **Critical inputs** | **Performance parameters /**  **indicators** |
|
| Nutritional Kitchen Gardening | Kitchen gardening | *Rabi*  *2023* | 10 | 0.2 | Seeds, seedlings, *Trichoderma viridi* & vermin compost | Yield/kg/season  Saving: kg/season |
| Promotion of terrace gardening in urban areas | Seasonal vegetables & fruits | *Rabi*  *2023* | 10 | 0.02 | Seeds, seedlings, *Trichoderma viridi* & vermin compost | Yield/kg/season  Saving: kg/season |

**Demonstration of millet vatika at KVK**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the Enterprise** | **Crop** | **Season and year** | **Area (ha)** | **Performance parameters /**  **indicators** |
|
| Promotion of millet crops | Pearl millet, Sorghum & Finger millet | *Kharif & Rabi 2023* | 0.2 |  |

**Work plan on Out Scaling of Natural Farming through KrishiVigyanKendras**

1. Villages dopted under Natural Farming for the year of 2022-23.

|  |  |  |
| --- | --- | --- |
| S. No. | Name of Block /District | Name of Village |
| 01 | Najafgarh and Alipur Block | Dhansa, Malikpur, Jaunti, Dariyapur and Skhikarpur etc. |

**02. Awareness, Training and Demonstration Programme under Natural Farming Project.**

(1). **Demonstrations**: KVK Delhi will be conducted demonstration through preparation of Organic product and cultivation of Natural Farming etc. During this year, 08 demonstrations are allotted under Natural Farming Project.

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Name of Block /District** | **Name of Village** | **Demonstrations** |
| 01. | Najafgarh  Alipur, North-West District | Dhansa, Malikpur, Jaunti, Dariyapur and Palla etc. | 8 |

**(2) Two-days Training Programme**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Block** | **Name of Village** | **Tentative Date** | **Venue** | **No. of trainees** |
| 01 | Najafgarh | KVK Campus | December, 2022 | KVK Campus | 40 |
| Total | | |  | 1 | 40 |

**(3) Awareness Programme (Including KisanGhosti, Exhibitions, Camps etc.)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **S. No.** | **Name of Village** | **No. of Programme** | **Name of Block** | **Date (Month)** | **No. of Participants in each programme** | **No. of Participants (No.)** |
| **(i) Village Level** | | | | | | |
|  | KVK Campus | 04 | Najafgarh | November, 2022 to March, 2023 | 25 | 100 |
|  | Sarangpur | 02 | Najafgarh | 25 | 50 |
|  | Malikpur | 01 | Najafgarh | 25 | 25 |
|  | Dhansa | 02 | Najafgarh | 25 | 50 |
|  | Sikarpur | 02 | Najafgarh | 25 | 50 |
|  | Jhatikara | 02 | Najafgarh | 25 | 50 |
|  | Jaffarpur | 03 | Najafgarh | 25 | 75 |
|  | Samaspur | 02 | Najafgarh | 25 | 50 |
|  | Kajipur | 02 | Najafgarh | 25 | 50 |
|  | Ghumenhera | 02 | Najafgarh | 25 | 50 |
|  | Hasanpu | 02 | Najafgarh | 25 | 50 |
|  | Dariyapur | 02 | Alipur | 25 | 50 |
|  | Jaunti | 02 | Alipur | 25 | 50 |
|  | Palla | 02 | Alipur | 25 | 50 |
|  | Ghoga | 01 | Alipur | 25 | 25 |
|  | Tigipur | 02 | Alipur | 25 | 50 |
| Total (Rs.) | | 33 |  |  |  | 825 |

**04. Advertisement and Publicity Materials :( 3.45 Lakhs)**

1. **Literature:**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Type of Literature | Quantity | Time pf Publication |
| 01. | Pamphlet / Leaflet / Folder | 2000 | December, 2022 |
| 02. | Booklet | 1000 | January, 2023 |

1. **Wall Writing**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Name of Block | Name of Village | Date | Number of slogan to be written |
| 01. | Najafgarh and Alipur | Dhansa, Malikpur, Jaunti, Dariyapur and Sikarpur etc. | Before 30th December, 2022 | **30** |

1. **Hoarding**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| S. No. | Name of Block | Venue of Hoarding | Size | Number of Places | Time of Hoarding |
| (i) Hoarding | | | | | |
| 01. | Najafgarh | KVK Campus | 6X6 | **05** | December,2022 |
| 01 | Najafgarh | KVK Campus | (10X10 feet) | **20** | December, 2022 |

**04. Field level activities**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No. | Name of Activities | No. of Activities | Date / Time | No. of Participated |
|  | Exposure Visit | 1 | January, 2023 | 30 |
|  | Field Day | 1 | February-March, 2023 | 30 |

**05. Social media activities**

|  |  |  |  |
| --- | --- | --- | --- |
| S. No. | Name of Activities | No. of Activities | No. of Participated |
|  | TV programmes / panel discussions Doordarshan/ DD-Kisan and other private channels | - | - |
|  | Column / Articles in newspaper and magazines etc. | - | - |