**DETAILS OF ACTION PLAN OF KVK, NOHAR, HANUMANGARH-II DURING 2017-18**

**(1st April 2017 to 31st March 2018)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| KVK, NOHAR, HANUMANGARH-II | Office | FAX | kvknohar@gmail.com | - |
| 01555-221171 | - |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Address | Telephone | | E mail | Website |
| Office | FAX |
| DEE, RAJUVAS, Bikaner | +91151-2200505 | +91151-2549348 | deerajuvas@gmail.com | www.rajuvas.org |

1.2.b. Status of KVK website : No

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

1.2.d Status of ICT lab at your KVK : -

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
| Dr. R. K. Dhuria | Office | Mobile | Email |
| 0151-2200505 | 09414283388 | deerajuvas@gmail.com |

1.4. Year of sanction: 2012

**1.5. Staff Position (as on 15 January, 2017)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline** | **Pay Scale (Rs.)** | **Grade Pay** | **Present basic (Rs.)** | **Date of joining** | **Permanent**  **/Temporary** | **Category (SC/ST/OBC/**  **Others)** | **Mobile No.** | **Email id** | **Please attach recent photograph** |
| 1 | Programme  Coordinator | Dr. R. K. Dhuria | DEE | Animal Nutrition | 37400-67000 | 10,000 | 59950/- | 31-06-15 | Officiating | GEN | 9414283388 | dhuriark12@gmail.com |  |
| 2 | Subject Matter  Specialist | Akshaya Ghintala | Teaching Associate | Agri. Ext. | 28000 / month | 28000 / month | 28000 / month | 1-08-12 | Contractual | OBC | 9982407171 | agriakshay@gmail.com |  |
| 3 | Subject Matter  Specialist | Dr. Naveen Saini | Teaching Associate | Vet.& Animal Sci. | 28000 / month | 28000 / month | 28000 / month | 6-12-12 | Contractual | OBC | 8387051484 | naveensaini709@gmail.com |  |
| 4 | Subject Matter  Specialist | Bheiru Singh | Teaching Associate | Agronmy | 28000 / month | 28000 / month | 28000 / month | 7-01-17 | Contractual | OBC | 7022173662 | chouhan9549@gmail.com |  |
| 5 | Subject Matter  Specialist |  |  |  |  |  |  |  |  |  |  |  |  |
| 6 | Subject Matter  Specialist |  |  |  |  |  |  |  |  |  |  |  |  |
| 7 | Subject Matter  Specialist |  |  |  |  |  |  |  |  |  |  |  |  |
| 8 | Programme Assistant |  |  |  |  |  |  |  |  |  |  |  |  |
| 9 | Computer  Programmer | Through placement agency | | | 11000/ month | 11000/ month | 11000/ month | Sept. 2014 | - | OBC | - | - | - |
| 10 | Farm Manager |  |  |  |  |  |  |  |  |  |  |  |  |
| 11 | Accountant / Superintendent |  |  |  |  |  |  |  |  |  |  |  |  |
| 12 | Stenographer |  |  |  |  |  |  |  |  |  |  |  |  |
| 13 | Driver |  |  |  |  |  |  |  |  |  |  |  |  |
| 14 | Driver |  |  |  |  |  |  |  |  |  |  |  |  |
| 15 | Supporting staff |  |  |  |  |  |  |  |  |  |  |  |  |
| 16 | Supporting staff | Through placement agency | | | 5500/ month | 5500/ month | 5500/ month | Oct. 2012 | - | SC | - | - | - |

**1.6. Total land with KVK (in ha) : 20.1 ha.**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings | Will be decided after funds are allocated by the ICAR |
| 2. | Under Demonstration Units |
| 3. | Under Crops |
| 4. | Horticulture |
| 5. | Pond |
| 6. | Others if any |

**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 | On Rent basis  Funds not received | | | | | | |
| 2. | Farmers Hostel |
| 3. | Staff Quarters (6) |
| 4. | Demonstration Units (2) |
| 5 | Fencing |
| 6 | Rain Water harvesting system |
| 7 | Threshing floor |
| 8 | Farm godown |
|  | Other |

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Type of vehicle** | **Year of purchase** | **Cost (Rs.)** | **Total kms. Run** | **Present status** |
| Tractor | 2012-13 | 4,40,107.00 | - | Working condition |
| Trolley | 2012-13 | 1,55,232.00 | - | Working condition |
| Jeep | 2013-14 | 6,65,306.00 | 24800 | Working condition |

**C) Equipments & AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| Digital Camera | 2012-13 | 7990.00 | All equipments are in working condition |
| Computer | 2012-13 | Transferred from the office of DEE |
| Printer | 2012-13 | Transferred from the office of DEE |
| Public Address System  (Mike & Speaker) | 2012-13 | Transferred from the office of DEE |
| Projector | 2013-14 | Transferred from the office of DEE |
| Inverter | 2013-14 | Transferred from the office of DEE |
| Xerox | 2015-16 | 1,20,330.00 |
| Camera | 2015-16 | 49,950.00 |
| Computer-3 | 2015-16 | 1,62,684.00 |
| Printer | 2015-16 | 15981.00 |
| Printer | 2015-16 | 17,370.00 |

**1.8. A). Details of SAC meetings to be conducted in the year**

|  |  |
| --- | --- |
| **Sl.No.** | **Date** |
|  |  |

**2. DETAILS OF DISTRICT**

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

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1. | Agriculture-Animal Husbandry |
| 2. | Agriculture-Animal husbandry-Horticulture |

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 | Zone 1b (Irrigated North-Western Plains) | This Zone lies between 200 N to 300 N latitude and 740 to 750 30’ longitudes. It is bounded on the North by Punjab, on the South by Bikaner and Churu, on the East by Haryana and on the West by Pakistan. In Hanumangarh District, we find hot summer, cool winter, unreliable rainfall and great variation in the temperature (20C in Jan. to 48.90C in June). The rainfall mostly restricted to rainy season. The monsoon normally comes in the first week of the July and recedes in the last week of September. |

**b) Topography**

|  |  |  |
| --- | --- | --- |
| S. No. | Agro ecological situation | Characteristics |
| 1 | Rain Fed Area | Nohar & Bhadra tehsil posses fine sand to loamy sand soil, sand dunes found in the area. Guar, Bajra, kharif pulses Gram, Taramira, Barley & Wheat crops. |
| 2 | Salt affected soil | Rawatsar,Tibbi, Nohar and Bhadra tehsil sandy and alkaline soil. Saline ground water, not suitable for irrigation, Paddy wheat mustard, Toria and fodder crops. |
| 3 | Canal irrigated light & medium soil | Sangaria & Hanumangarh tehsil sandy loam to loamy sand having good drainage property & calcasious sub soil. Organic matter or nitrogen level low.  P2O5 low to medium & K2O medium to high. Ground water is saline. |
| 4 | Ghaghar flood prone soil | Tibbi & Hanumangarh tehsil loam to salty loam soil, Saline, alkaline problematic soils. Paddy, Wheat, Mustard & Gram. |

2.3 Soil Types

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1. | Rain Fed Area | Nohar & Bhadra tehsil posses fine sand to loamy sand soil, sand dunes found in the area. Guar, Bajra, kharif pulses Gram, Taramira, Barley & Wheat crops. | 422077 |
| 2. | Salt affected soil | Rawatsar,Tibbi, Nohar and Bhadra tehsil sandy and alkaline soil. Saline ground water, not suitable for irrigation, Paddy wheat mustard, Toria and fodder crops. | 15440 |
| 3. | Canal irrigated light & medium soil | Sangaria & Hanumangarh tehsil sandy loam to loamy sand having good drainage property & calcasious sub soil. Organic matter or nitrogen level low.  P2O5 low to medium & K2O medium to high. Ground water is saline. | 353514 |
| 4. | Ghaghar flood prone soil | Tibbi & Hanumangarh tehsil loam to salty loam soil, Saline, alkaline problematic soils. Paddy, Wheat, Mustard & Gram. | 21790 |

**2.4. Area, Production and Productivity of major crops cultivated in the district (2015-16)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (MT.) | Productivity (Qt./ha) |
|  | RABI 2015-16 |  |  |  |
| 1 | Wheat | 2,42,021 | 11,37,498 | 47.00 |
| 2 | Barley | 11,592 | 51,005 | 44.00 |
| 3 | Gram | 86,763 | 78,078 | 9.00 |
| 4 | Rapeseed & Mustard | 1,19,549 | 2,15,188 | 18.00 |
| 5 | Others- Tarameera | 650 | 410 | 6.30 |
|  | **KHARIF 2016** |  |  |  |
| 1 | Desi Cotton | 5,402 | 19,987 | 3.70 |
| 2 | A. Cotton | 21,100 | 82,290 | 3.90 |
| 3 | Bt Cotton | 1,14,520 | 5,13,050 | 4.48 |
| 4 | Paddy | 32,978 | 2,27,350 | 68.94 |
| 5 | Clusterbean | 3,42,434 | 2,98,260 | 8.71 |
| 6 | Groundnut | 7,791 | 16,990 | 23.94 |
| 7 | Moongbean | 14,262 | 9,185 | 6.44 |
| 8 | Mothbean | 18,675 | 7,563 | 4.05 |
| 9 | Bajra | 14,527 | 14,688 | 10.11 |
| 10 | Til | 1,583 | 1,173 | 7.41 |

Source: District agriculture department.

**2.5. Weather data (2015-16)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
| Maximum | Minimum | Maximum | Minimum |
| April 15 | 26 | 42.5 | 14 | - | - |
| May 15 | - | 46 | 19 | - | - |
| June 15 | 90 | 45 | 22 | - | - |
| July 15 | 220 | 41 | 22.5 | - | - |
| August 15 | 16 | 40 | 23 | - | - |
| September15 | 47 | 42 | 21.5 | - | - |
| October 15 | 14 | 38.5 | 13.5 | - | - |
| November 15 | - | 32 | 8 | - | - |
| December 15 | - | 29.5 | 3.5 | - | - |
| January 16 | - | 25 | 4.5 | - | - |
| February 16 | 6.5 | 28.5 | 5.5 | - | - |
| March 16 | 29 | 31 | 13 | - | - |

* 1. **Production and productivity of livestock, poultry, fisheries etc. in the district (Census 2012)**

|  |  |  |  |
| --- | --- | --- | --- |
| **S N** | **Name of Animals** | **Numbers** | **%age** |
| 1. | Cattle | 401596 | 26.65 |
| 2. | Buffaloes | 323101 | 21.44 |
| 3. | Sheep | 284446 | 18.87 |
| 4. | Goat | 277612 | 18.42 |
| 5. | Camel | 47006 | 03.12 |
| 6. | Horse | 1060 | 00.07 |
| 7. | Mule | 318 | 00.02 |
| 8. | Donkey | 5281 | 00.35 |
| 9. | Pig | 2373 | 00.15 |
| 10. | Poultry/Duck | 91606 | 06.08 |
| 11 | Others | 72668 | 04.83 |

\*Statical report

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Animal Product** | **Production Year 2011-12** | **Production Year 2012-13** |
| 1 | Milk (000 Tones) | 13512 | 13945.92 |
| 2 | Egg (Lakhs Nos) | 9605 | 10334.90 |
| 3 | Meat (000 Tones) | 122 | 151.72 |
| 4 | Wool (000 Kg) | 13192 | 14007.18 |

*Source – Department of Animal Science, Hanumangarh*

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year wise data** | **Fish seed production (Fry in lacs)** | | **Fish production (MT)** | |
| Target | Achievement | Target | Achievement |
| 2009-10 | 250 | 261.98 | 2300 | 2333 |
| 2010-11 | 250 | 465.33 | 2500 | 2585 |
| 2011-12 | 250 | 260 | 2500 | 2296 |
| 2012-13 | 250 | 336.71 | 2700 | 2762.04 |
| 2013-14 | 250 | 255.31 | 2700 | 2785 |

*Source – Department of Fisheries, Hanumangarh*

**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** |
| --- | --- | --- | --- | --- | --- |
| Nohar | Nohar | Parlika, Ramgarh, 18 DPN, 17 DPN, Dilki, Ujjalvas, Chak- Sardarpura, Bhagwan, Bhukarkha, 19 NTR, 20 NTR, Dhani Arayan, Thaladka, 22 NTR, 23 NTR, Deeplana, Barwali, 13 NTR, Jasana, Rajpuria,  Pandusar, Charanvasi,  Chak- 14 DPN, Fefana, Dhani chranawali, Malwani, Lakhasar,  Toparia, Dhani Bhambhuan Nithrana,  Kansar, Karamsana,  Ranisar, Kikrali & Birkali | Guar,  Bajra,  Moong,  Gram,  Mustard,  Wheat,  Barley,  Oat  & Dairy etc. | * Unemployment. * Lack of knowledge about scientific cultivation. * Least use of bio pesticide products. * Lack of diversification in agriculture. * Lack of knowledge about climate change. * Lack of awareness about water management. * Lack of knowledge about nutritional value of soil. | * To increase the productivity of major field crops and encouraging farmers for sustainable agriculture through natural farming system using compost vermi-compost, FYM and moisture conservation technology. * Encouraging farmers for seed production to obtain good quality seed. * To popularize Integrated Pest Management especially stress on seed treatment and motivate the farmers for income generation through Bee- keeping and mushroom cultivation. * To motivate the farmers, youths and farm women for dairy, poultry and pig farming for self-employment and income generation. * To extend the area under fruit orchards and techniques in nursery raising and its proper management. * Introducing employment generation activities for farm women like fruit and vegetable preservation, tailoring, embroidery, soft toys making etc. * Motivate the farmers to check the soil & water sample to know about nutritional value of soils. |
| Bhadra | Bhadra | Karanpura, Sardargadia,  Chhanibadi, Shotibadi,  Sikrodi, Ninan,  Sahuwala & Nua |
| Rawatsar | Rawatsar | Chaiya, Chak-3 CYMS,  Chak-4 AM, Kikraliya,  Ramsara-Motoriya,  Khetawali dhani, Dhannasar |

**2.8 Priority thrust areas**

|  |  |
| --- | --- |
| **Crop/Enterprise** | **Thrust area** |
| Cotton, Guar, Moong, Moth, Wheat, Gram, Mustard, Barley | To increase the productivity of major field crops and encouraging farmers for sustainable agriculture through natural farming system using compost vermi compost, FYM and moisture conservation technology. |
| Cotton, Guar, Moong, Moth, Wheat, Gram, Mustard, Barley | To popularize Integrated Pest Management especially stress on seed treatment. |
| Seed production | Encouraging farmers for seed production to obtain good quality seed. |
| Animal Production | To motivate the farmers, youths and farm women for dairy, poultry and pig farming for self employment and income generation. |
| Kinnow, Malta, Pomegranate, Aonla, Ber, Carrot, Methi, Onion, Muskmelon, Garlic | To extend the area under fruit orchards and techniques in nursery raising and its proper management. |
| Beekeeping & Mushroom cultivation | To motivate the farmers for income generation through Bee- keeping and mushroom cultivation. |
| Income generate activities for farm women & rural youth | Introducing employment generation activities for farm women like fruit and vegetable preservation, tailoring, embroidery, soft toys making etc. |
| Fish Farming | To motivate the farmers for fish farming and fish seed production. |

**3. TECHNICAL PROGRAMME**

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

|  |  |  |  |
| --- | --- | --- | --- |
| **OFT** | | **FLD** | |
| **(1)** | | **(2)** | |
| Number of OFTs | Number of Farmers/Units | Area (ha)/Unit | Number of Farmers |
| 6 | 12/15 | 40/60 | 160 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Training** | | **Extension Activities** | |
| **(3)** | | **(4)** | |
| Number of Courses | Number of Participants | Number of activities | Number of participants |
| 57 | 2080 | 1393 | 10200 |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed Production (Qtl.)** | **Planting material (Nos.)** | **Fish seed prod. (Nos)** | **Soil Samples** |
| **(5)** | **(6)** | **(7)** | **(8)** |
| 15 | - | - | 250 |

**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 | Varietal Evaluation | Barley | Use of traditional varieties. | Evaluation of Barley Varieties | - | - | - | Training  -Field visits  -Scientist visit | Seed |
| 2 | ICM | Clusterbean | Wider spacing and seed rate | Wider spacing and seed rate in Guar | - | - | - | Training  -Field visits  -Scientist visit |  |
| 3 | IPM | Wheat | Nematodes problem in wheat | Nematodes Management in wheat |  |  |  | Training  -Field visits  -Scientist visit | Paciliomayces lilacinus culture |
| 4 | NM | Cattle | Low growth rate | Impact of Mineral & Vitamin supplement in heifers on reproductive performance | - | - | - | Training  -Field visits  -Scientist visit | Mineral & Vitamin supplement |
| 5 | NM | Cattle | Low growth rate | Impact of Mineral Mixture feeding to animals on growth performance | - | - | - | Training  -Field visits  -Scientist visit | Mineral mixture &  Deworming |
| 6 | PM | Cattle | Preservation of green forage as silage | Conservation and preservation of green forage as silage for providing green forage in lean periods to farm animals. | - | - | - | Training  -Field visits  -Scientist visit | Poly propylene bag |

**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 |
| Seed / Plant production |  |  |  |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  | 1 |  |  |  |  |  | 1 |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming System |  |  |  |  |  |  |  |  |  |  |
| Mushroom cultivation |  |  |  |  |  |  |  |  |  |  |
| Drudgery reduction |  |  |  |  |  |  |  |  |  |  |
| Farm machineries |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management | 1 |  |  |  |  |  |  |  |  | 1 |
| Integrated Disease Management |  |  |  |  |  |  |  |  |  |  |
| Resource conservation technology |  |  |  |  |  |  |  |  |  |  |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **2** |  |  | **1** |  |  |  |  |  | **3** |

**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 | 2 |  |  |  |  |  |  | 2 |
| Disease of Management |  |  |  |  |  |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |
| Production and Management |  |  |  |  |  |  |  |  |
| Feed and Fodder | 1 |  |  |  |  |  |  | 1 |
| Small Scale income generating enterprises |  |  |  |  |  |  |  |  |
| **TOTAL** | **3** |  |  |  |  |  |  | **3** |

**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**

**Title:** **Evaluation of Barley Varieties. (1st year)**

Problem: Use of traditional varieties.

Treatment details:

T1 : Farmers practice: RD-2035

T2 : Assessment: RD-2715

**No. of Replications:** 4

**Observation:** Yield

**OFT 2**

**Title: Wider spacing and seed rate in Guar. (1st year)**

Problem: Wider spacing and seed rate

Treatment details:

T1 : (Farmer’s practices) 90.0 cm. + 12 kg seed rate per ha

T2 : (Assessment) 67.5 cm. + 14 kg seed rate per ha

**No. of Replications:** 4

**Observation:** Yield

**OFT 3**

**Title: Nematodes Management in wheat. (1st year)**

Problem: Nematodes problem in wheat.

Treatment details:

T1 : (Farmers practices) FYM @ 25 qtl. per ha.

T2 : (Assessment) Paciliomayces lilacinus culture @ 100 gm with FYM @ 25 qtl. per ha.

**No. of Replications:** 4

**Observation:** Yield

**OFT 4**

**Title: Impact of Mineral & Vitamin supplement in heifers on reproductive performance. (1rd year)**

Problem: Low growth rate

Treatment:

T1 : Farmers practice: Feeding straw + Cotton Seed Cake

T2 : Feeding straw+ Balanced Ration + @Mineral 30 g/day/Animal & Vitamin supplement 50 g/day/Animal

**Number of animals:** 15 (5 in each group)

**OFT 5**

**Title: Impact of Mineral Mixture feeding to animals on growth performance (1st year)**

Problem: Low growth rate

Treatment:

T1 : Mineral mixture @30 gm/animal/day (No deworming) for 120 days.

T2 : Mineral mixture @30 gm/animal/day (Deworming) for 120 days.

**Number of animals:** 15 (5 in each group)

**OFT 6**

**Title : Conservation and preservation of green forage as silage for providing green forage in lean periods to farm animals. (3rd year)**

Problem: Preservation of green forage as silage

Treatment:

T1 : Silo pits as per recommended method of silage

T2 : Poly propylene Silo bag convenient & effective for silage making

**Number of farmers:** 15 (5 in each group)

**Observation:** Quality of forage preserved in new technology and convenience achieved by farmers.

**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 | Cluster bean | HG-2-20 | Productivity enhancement in field crops | Use of improved variety seed, Seed treatment, use of ferti. & PP measures. | Seed | Kharif-2017 | 4.0 | 10 | Yield in (Qtl./ha) |
| 2 | Green gram | IPM-02-3 / MH-2-15 / WH-421 | Productivity enhancement in field crops | Use of improved variety seed, Seed treatment, use of ferti. & bio-ferti. | Seed, fertilizer, Rhizo. Culture & Plant protection inputs | Kharif-2017 | 4.0 | 10 | Yield in (Qtl./ha) |
| 3 | Moth bean | RMO-40 | Productivity enhancement in field crops | Use of improved variety seed, Seed treatment, use of ferti. & bio-ferti. | Seed, fertilizer, Rhizo. Culture & Plant protection inputs | Kharif-2017 | 4.0 | 10 | Yield in (Qtl./ha) |
| 4 | Pearl millet | HHB-67 Improved | Productivity enhancement in field crops | Use of improved variety seed | Seed & fertilizer. | Kharif-2017 | 4.0 | 10 | Yield in (Qtl./ha) |
| 5 | Wheat | WH-1105/ HD-2967 / Raj-4037 | Productivity enhancement in field crops | Use of improved variety seed | Seed | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 6 | Barley | RD-2052/  RD-2715 | Productivity enhancement in field crops | Use of improved variety seed | Seed | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 7 | Gram | GNG-1958 / GNG-1581 | Productivity enhancement in field crops | Improved variety, use of seed treatment, use of balance ferti. & PP measures and seed treatment | Seed, Rhizo. Culture & fertilizer. | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 8 | Mustard | RH-749/ RGN-298/ RGN-229 | Productivity enhancement in field crops | Use of improved variety seed, Seed treatment & use of ferti. | Seed, fertilizer, VAM, Rhizo. Culture & PSB. | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 9 | Oat | JHO-822 | Productivity enhancement  in fodder crops | Use of improved variety seed | Seed | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 10 | Lucerne | NDRI Selection-1/ Paras | Productivity enhancement  in fodder crops | Use of improved variety seed | Seed | Rabi-2017-18 | 4.0 | 10 | Yield in (Qtl./ha) |
| 11 | Livestock |  | Feed Management | Morden manger | Manger | Throughout the year | 10 | 10 | Feed Management |
| 12 | Livestock |  | Hygiene Management | Cow mat | mat | “ | 10 | 10 | Hygiene Management |
| 13 | Livestock |  | Health and Production Management | Importance of feeding Urea Molasses Block | Urea Molasses Block | “ | 25 | 25 | Health and Production |
| 14 | Livestock |  | Health and Production Management | Modern Technique of Azolla production | Azolla Unit | “ | 15 | 15 | Health and Production |
|  |  |  |  |  | **Total** |  | **40/60** | **160** |  |

**Sponsored Demonstration: As per Allotment**

|  |  |  |
| --- | --- | --- |
| **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 | 6 | September, October,  March | 400 |
| 2 | Farmers Training | 4 | Jun.- July, Oct.-Nov. | 150 |
| 3 | Media coverage | 8 | - | Mass |
| 4 | Training for extension functionaries | 1 | - | 30 |

**C. Details of FLD on Enterprises**

**(i) Farm Implements: As per Allotment**

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

**(ii) Livestock Enterprises: As per Allotment**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Enterprise** | **Breed** | **No. of farmers** | **No. of animals, poultry birds/ha. etc.** | **Critical inputs** | **Performance parameters /**  **Indicators** |
|
|  |  |  |  |  |  |
|  |  |  |  |  |  |

* 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 | | |  | |  | |  |  | |  | |  | | 30 |
| Resource Conservation Technologies | |  | | |  | |  | |  |  | |  | |  | |  |
| Cropping Systems | |  | | |  | |  | |  |  | |  | |  | |  |
| Crop Diversification | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Farming | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Water management | |  | | |  | |  | |  |  | |  | |  | |  |
| Seed production | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Nursery management | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Crop Management | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Fodder production | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of organic inputs | |  | | |  | |  | |  |  | |  | |  | |  |
| **II Horticulture** | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of low volume and high value crops | |  | | |  | |  | |  |  | |  | |  | |  |
| Off-season vegetables | |  | | |  | |  | |  |  | |  | |  | |  |
| 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 | |  | | |  | |  | |  |  | |  | |  | |  |
| 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 | |  | | |  | |  | |  |  | |  | |  | |  |
| Soil and Water Conservation | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Nutrient Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Production and use of organic inputs | |  | | |  | |  | |  |  | |  | |  | |  |
| Management of Problematic soils | |  | | |  | |  | |  |  | |  | |  | |  |
| Micro nutrient deficiency in crops | |  | | |  | |  | |  |  | |  | |  | |  |
| Nutrient Use Efficiency | |  | | |  | |  | |  |  | |  | |  | |  |
| Soil and Water Testing | |  | | |  | |  | |  |  | |  | |  | |  |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | |
| Dairy Management | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Poultry Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Piggery Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Rabbit Management/goat | |  | | |  | |  | |  |  | |  | |  | |  |
| Disease Management | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Feed management | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| Production of quality animal products | | 1 | | |  | |  | |  |  | |  | |  | | 30 |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | |  | | |  | |  | |  |  | |  | |  | |  |
| Design and development of low/minimum cost diet | |  | | |  | |  | |  |  | |  | |  | |  |
| Designing and development for high nutrient efficiency diet | |  | | |  | |  | |  |  | |  | |  | |  |
| Minimization of nutrient loss in processing | |  | | |  | |  | |  |  | |  | |  | |  |
| Gender mainstreaming through SHGs | |  | | |  | |  | |  |  | |  | |  | |  |
| Storage loss minimization techniques | |  | | |  | |  | |  |  | |  | |  | |  |
| Value addition | |  | | |  | |  | |  |  | |  | |  | |  |
| Income generation activities for empowerment of rural Women | |  | | |  | |  | |  |  | |  | |  | |  |
| Location specific drudgery reduction technologies | |  | | |  | |  | |  |  | |  | |  | |  |
| Rural Crafts | |  | | |  | |  | |  |  | |  | |  | |  |
| Women and child care | |  | | |  | |  | |  |  | |  | |  | |  |
| **VI Agril. Engineering** | |  | | |  | |  | |  |  | |  | |  | |  |
| Installation and maintenance of micro irrigation systems | |  | | |  | |  | |  |  | |  | |  | |  |
| Use of Plastics in farming practices | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of small tools and implements | |  | | |  | |  | |  |  | |  | |  | |  |
| Repair and maintenance of farm machinery and implements | |  | | |  | |  | |  |  | |  | |  | |  |
| Small scale processing and value addition | |  | | |  | |  | |  |  | |  | |  | |  |
| Post Harvest Technology | |  | | |  | |  | |  |  | |  | |  | |  |
| **VII Plant Protection** | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Pest Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated Disease Management | |  | | |  | |  | |  |  | |  | |  | |  |
| Bio-control of pests and diseases | |  | | |  | |  | |  |  | |  | |  | |  |
| Production of bio control agents and bio pesticides | |  | | |  | |  | |  |  | |  | |  | |  |
| **VIII Fisheries** | |  | | |  | |  | |  |  | |  | |  | |  |
| Integrated fish farming | |  | | |  | |  | |  |  | |  | |  | |  |
| Carp breeding and hatchery management | |  | | |  | |  | |  |  | |  | |  | |  |
| Carp fry and fingerling rearing | |  | | |  | |  | |  |  | |  | |  | |  |
| Composite fish culture | |  | | |  | |  | |  |  | |  | |  | |  |
| Hatchery management and culture of freshwater prawn | |  | | |  | |  | |  |  | |  | |  | |  |
| Breeding and culture of ornamental fishes | |  | | |  | |  | |  |  | |  | |  | |  |
| Portable plastic carp hatchery | |  | | |  | |  | |  |  | |  | |  | |  |
| Pen culture of fish and prawn | |  | | |  | |  | |  |  | |  | |  | |  |
| Shrimp farming | |  | | |  | |  | |  |  | |  | |  | |  |
| Edible oyster farming | |  | | |  | |  | |  |  | |  | |  | |  |
| Pearl culture | |  | | |  | |  | |  |  | |  | |  | |  |
| Fish processing and value addition | |  | | |  | |  | |  |  | |  | |  | |  |
| **IX Production of Inputs at site** |  | |  |  | |  | |  | | |  | |  | |  | |
| Seed Production |  | |  |  | |  | |  | | |  | |  | |  | |
| Planting material production |  | |  |  | |  | |  | | |  | |  | |  | |
| Bio-agents production |  | |  |  | |  | |  | | |  | |  | |  | |
| Bio-pesticides production |  | |  |  | |  | |  | | |  | |  | |  | |
| Bio-fertilizer production |  | |  |  | |  | |  | | |  | |  | |  | |
| Vermi-compost production | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| 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** |  | |  |  | |  | |  | | |  | |  | |  | |
| **(B) RURAL YOUTH** |  | |  |  | |  | |  | | |  | |  | |  | |
| Mushroom Production | 2 | |  |  | |  | |  | | |  | |  | | 60 | |
| Bee-keeping | 2 | |  |  | |  | |  | | |  | |  | | 60 | |
| Integrated farming |  | |  |  | |  | |  | | |  | |  | |  | |
| Seed production |  | |  |  | |  | |  | | |  | |  | |  | |
| Production of organic inputs |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Farming (Medicinal) |  | |  |  | |  | |  | | |  | |  | |  | |
| Planting material production |  | |  |  | |  | |  | | |  | |  | |  | |
| Vermi-culture | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| Sericulture |  | |  |  | |  | |  | | |  | |  | |  | |
| Protected cultivation of vegetable crops |  | |  |  | |  | |  | | |  | |  | |  | |
| Commercial fruit production |  | |  |  | |  | |  | | |  | |  | |  | |
| Repair and maintenance of farm machinery and implements |  | |  |  | |  | |  | | |  | |  | |  | |
| Nursery Management of Horticulture crops |  | |  |  | |  | |  | | |  | |  | |  | |
| Training and pruning of orchards |  | |  |  | |  | |  | | |  | |  | |  | |
| Value addition |  | |  |  | |  | |  | | |  | |  | |  | |
| Production of quality animal products |  | |  |  | |  | |  | | |  | |  | |  | |
| Dairying |  | |  |  | |  | |  | | |  | |  | |  | |
| Sheep and goat rearing | 2 | |  |  | |  | |  | | |  | |  | | 60 | |
| 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** |  | |  |  | |  | |  | | |  | |  | |  | |
| **(C) Extension Personnel** |  | |  |  | |  | |  | | |  | |  | |  | |
| Productivity enhancement in field crops | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| Integrated Pest Management |  | |  |  | |  | |  | | |  | |  | |  | |
| Integrated Nutrient management |  | |  |  | |  | |  | | |  | |  | |  | |
| Rejuvenation of old orchards |  | |  |  | |  | |  | | |  | |  | |  | |
| Protected cultivation technology |  | |  |  | |  | |  | | |  | |  | |  | |
| Formation and Management of SHGs |  | |  |  | |  | |  | | |  | |  | |  | |
| Group Dynamics and farmers organization | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| Information networking among farmers |  | |  |  | |  | |  | | |  | |  | |  | |
| Capacity building for ICT application | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| Care and maintenance of farm machinery and implements |  | |  |  | |  | |  | | |  | |  | |  | |
| WTO and IPR issues |  | |  |  | |  | |  | | |  | |  | |  | |
| Management in farm animals |  | |  |  | |  | |  | | |  | |  | |  | |
| Livestock feed and fodder production | 1 | |  |  | |  | |  | | |  | |  | | 30 | |
| Household food security |  | |  |  | |  | |  | | |  | |  | |  | |
| Women and Child care |  | |  |  | |  | |  | | |  | |  | |  | |
| Low cost and nutrient efficient diet designing |  | |  |  | |  | |  | | |  | |  | |  | |
| Production and use of organic inputs |  | |  |  | |  | |  | | |  | |  | |  | |
| Gender mainstreaming through SHGs |  | |  |  | |  | |  | | |  | |  | |  | |
| Any other (Pl. Specify) |  | |  |  | |  | |  | | |  | |  | |  | |
| **TOTAL** |  | |  |  | |  | |  | | |  | |  | |  | |
| **G. Total** | **20** | |  |  | |  | |  | | |  | |  | | **600** | |

* 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 | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Resource Conservation Technologies | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Cropping Systems | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Crop Diversification | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Integrated Farming | | 2 | | |  |  | | |  |  | |  | | |  | | | | | | 80 |
| Water management | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Seed production | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Nursery management | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Integrated Crop Management | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Fodder production | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Production of organic inputs | | 1 | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| **II Horticulture** | | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Production of low volume and high value crops | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Off-season vegetables |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Nursery raising |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Exotic vegetables like Broccoli |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Export potential vegetables |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Grading and standardization |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| **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 |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Export potential of ornamental plants |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Propagation techniques of Ornamental Plants |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **d) Plantation crops** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Production and Management technology |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Processing and value addition |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **e) Tuber crops** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Production and Management technology |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Processing and value addition |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **f) Spices** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Production and Management technology |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Processing and value addition |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **g) Medicinal and Aromatic Plants** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Nursery management |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Production and management technology |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Post harvest technology and value addition |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **III Soil Health and Fertility Management** |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Soil fertility management | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Soil and Water Conservation | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Integrated Nutrient Management | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Production and use of organic inputs |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Management of Problematic soils | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Micro nutrient deficiency in crops |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Nutrient Use Efficiency |  | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| Soil and Water Testing | 2 | | | |  |  | | |  |  | |  | | |  | | | | | | 80 |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management | 2 | | | |  |  | | |  |  | |  | | |  | | | | | | 80 |
| Poultry Management | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Piggery Management | 1 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Rabbit Management /goat | 2 | | | |  |  | | |  |  | |  | | |  | | | | | | 80 |
| Disease Management | 2 | | | |  |  | | |  |  | |  | | |  | | | | | | 80 |
| Feed management | 2 | | | |  |  | | |  |  | |  | | |  | | | | | | 40 |
| Production of quality animal products | 1 | | | |  |  | | |  |  | |  | | |  | | | | | |  |
| **V Home Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Design and development of low/minimum cost diet | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Designing and development for high nutrient efficiency diet | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Minimization of nutrient loss in processing | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Gender mainstreaming through SHGs | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Storage loss minimization techniques | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Value addition | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Income generation activities for empowerment of rural Women | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Location specific drudgery reduction technologies | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Rural Crafts | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Women and child care | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **VI Agril. Engineering** | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Installation and maintenance of micro irrigation systems | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Use of Plastics in farming practices | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of small tools and implements | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Repair and maintenance of farm machinery and implements | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Small scale processing and value addition | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Post Harvest Technology | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **VII Plant Protection** | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Pest Management | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| Integrated Disease Management | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| Bio-control of pests and diseases | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production of bio control agents and bio pesticides | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| **VIII Fisheries** | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated fish farming | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Carp breeding and hatchery management | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Carp fry and fingerling rearing | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Composite fish culture | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| 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 | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| 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 | | | 1 |  | |  |  | | |  | | |  | | |  | | 40 | | | |
| 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 (Agro.) | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| WTO and IPR issues | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XI Agro-forestry** | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Production technologies | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Nursery management | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| Integrated Farming Systems (Agro) | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **XII Others (Pl. Specify)** | | |  |  | |  |  | | |  | | |  | | |  | |  | | | |
| **TOTAL** | | | **37** |  | |  | |  | | |  | | |  | | |  | | **1480** | | | |

**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 | 2 | |  |  |  |  |  |  | 70 |
| Resource Conservation Technologies | 1 | |  |  |  |  |  |  | 40 |
| Cropping Systems | 1 | |  |  |  |  |  |  | 40 |
| Crop Diversification | 1 | |  |  |  |  |  |  | 40 |
| Integrated Farming | 3 | |  |  |  |  |  |  | 110 |
| Water management | 1 | |  |  |  |  |  |  | 40 |
| Seed production | 2 | |  |  |  |  |  |  | 70 |
| Nursery management | 1 | |  |  |  |  |  |  | 40 |
| Integrated Crop Management | 2 | |  |  |  |  |  |  | 70 |
| Fodder production | 1 | |  |  |  |  |  |  | 40 |
| Production of organic inputs | 1 | |  |  |  |  |  |  | 40 |
| **II Horticulture** | | | | | | | | | |
| **a) Vegetable Crops** | |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops | | 1 |  |  |  |  |  |  | 40 |
| Off-season vegetables | |  |  |  |  |  |  |  |  |
| Nursery raising | |  |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli | |  |  |  |  |  |  |  |  |
| Export potential vegetables | |  |  |  |  |  |  |  |  |
| Grading and standardization | |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) | | 1 |  |  |  |  |  |  | 40 |
| **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 | |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants | |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants | |  |  |  |  |  |  |  |  |
| **d) Plantation crops** | |  |  |  |  |  |  |  |  |
| Production and Management technology | |  |  |  |  |  |  |  |  |
| Processing and value addition | |  |  |  |  |  |  |  |  |
| **e) Tuber crops** | |  |  |  |  |  |  |  |  |
| Production and Management technology | |  |  |  |  |  |  |  |  |
| Processing and value addition | |  |  |  |  |  |  |  |  |
| **f) Spices** | |  |  |  |  |  |  |  |  |
| Production and Management technology | |  |  |  |  |  |  |  |  |
| Processing and value addition | |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** | |  |  |  |  |  |  |  |  |
| Nursery management | |  |  |  |  |  |  |  |  |
| Production and management technology | |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition | |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** | |  |  |  |  |  |  |  |  |
| Soil fertility management | | 1 |  |  |  |  |  |  | 40 |
| Soil and Water Conservation | | 1 |  |  |  |  |  |  | 40 |
| Integrated Nutrient Management | | 1 |  |  |  |  |  |  | 40 |
| Production and use of organic inputs | |  |  |  |  |  |  |  |  |
| Management of Problematic soils | | 1 |  |  |  |  |  |  | 40 |
| Micro nutrient deficiency in crops | |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency | |  |  |  |  |  |  |  |  |
| Soil and Water Testing | | 2 |  |  |  |  |  |  | 80 |
| **IV Livestock Production and Management** | |  |  |  |  |  |  |  |  |
| Dairy Management | | 3 |  |  |  |  |  |  | 110 |
| Poultry Management | | 1 |  |  |  |  |  |  | 40 |
| Piggery Management | | 1 |  |  |  |  |  |  | 40 |
| Rabbit Management/goat | | 2 |  |  |  |  |  |  | 80 |
| Disease Management | | 3 |  |  |  |  |  |  | 110 |
| Feed management | | 3 |  |  |  |  |  |  | 110 |
| Production of quality animal products | | 2 |  |  |  |  |  |  | 70 |
| **V Home Science/Women empowerment** | |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet | |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet | |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing | |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs | |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques | |  |  |  |  |  |  |  |  |
| Value addition | |  |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women | |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies | |  |  |  |  |  |  |  |  |
| Rural Crafts | |  |  |  |  |  |  |  |  |
| Women and child care | |  |  |  |  |  |  |  |  |
| **VI Agril. Engineering** | |  |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems | |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices | |  |  |  |  |  |  |  |  |
| Production of small tools and implements | |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements | |  |  |  |  |  |  |  |  |
| Small scale processing and value addition | |  |  |  |  |  |  |  |  |
| Post Harvest Technology | |  |  |  |  |  |  |  |  |
| **VII Plant Protection** | |  |  |  |  |  |  |  |  |
| Integrated Pest Management | | 1 |  |  |  |  |  |  | 40 |
| Integrated Disease Management | | 1 |  |  |  |  |  |  | 40 |
| Bio-control of pests and diseases | | 1 |  |  |  |  |  |  | 30 |
| Production of bio control agents and bio pesticides | | 1 |  |  |  |  |  |  | 40 |
| **VIII Fisheries** | |  |  |  |  |  |  |  |  |
| Integrated fish farming | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing | |  |  |  |  |  |  |  |  |
| Composite fish culture | | 1 |  |  |  |  |  |  | 40 |
| 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 | | 1 |  |  |  |  |  |  | 30 |
| 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 | | 1 |  |  |  |  |  |  | 40 |
| 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 | |  |  |  |  |  |  |  |  |
| Sponsored training | |  |  |  |  |  |  |  |  |
| **TOTAL** | |  |  |  |  |  |  |  |  |
| **(B) RURAL YOUTH** | |  |  |  |  |  |  |  |  |
| Mushroom Production | | 2 |  |  |  |  |  |  | 100 |
| Bee-keeping | | 2 |  |  |  |  |  |  | 100 |
| Integrated farming | |  |  |  |  |  |  |  |  |
| Seed production | |  |  |  |  |  |  |  |  |
| Production of organic inputs | |  |  |  |  |  |  |  |  |
| Integrated Farming | |  |  |  |  |  |  |  |  |
| Planting material production | |  |  |  |  |  |  |  |  |
| Vermi-culture | | 1 |  |  |  |  |  |  | 30 |
| Sericulture | |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops | |  |  |  |  |  |  |  |  |
| Commercial fruit production | |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements | |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | |  |  |  |  |  |  |  |  |
| Training and pruning of orchards | |  |  |  |  |  |  |  |  |
| Value addition | |  |  |  |  |  |  |  |  |
| Production of quality animal products | |  |  |  |  |  |  |  |  |
| Dairying | |  |  |  |  |  |  |  |  |
| Sheep and goat rearing | | 2 |  |  |  |  |  |  | 100 |
| 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** | |  |  |  |  |  |  |  |  |
| **(C) Extension Personnel** | |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops | | 1 |  |  |  |  |  |  | 30 |
| Integrated Pest Management | |  |  |  |  |  |  |  |  |
| Integrated Nutrient management | |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards | |  |  |  |  |  |  |  |  |
| Protected cultivation technology | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs | |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization | | 1 |  |  |  |  |  |  | 30 |
| Information networking among farmers | |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | | 1 |  |  |  |  |  |  | 30 |
| Care and maintenance of farm machinery and implements | |  |  |  |  |  |  |  |  |
| WTO and IPR issues | |  |  |  |  |  |  |  |  |
| Management in farm animals | |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production | | 1 |  |  |  |  |  |  | 40 |
| Household food security | |  |  |  |  |  |  |  |  |
| Women and Child care | |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing | |  |  |  |  |  |  |  |  |
| Production and use of organic inputs | |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs | |  |  |  |  |  |  |  |  |
| Any other (Pl. Specify) | |  |  |  |  |  |  |  |  |
| **G. TOTAL** | | **57** |  |  |  |  |  |  | **2080** |

## 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 | 6 |  |  |  |  |  |  |  |  | 400 |
| Kisan Mela | 1 |  |  |  |  |  |  |  |  | 2500 |
| Kisan Ghosthi | 10 |  |  |  |  |  |  |  |  | 500 |
| Exhibition | 2 |  |  |  |  |  |  |  |  | 400 |
| Film Show | 5 |  |  |  |  |  |  |  |  | 200 |
| Farmers Seminar | - |  |  |  |  |  |  |  |  | - |
| Workshop | - |  |  |  |  |  |  |  |  | - |
| Group meetings | 10 |  |  |  |  |  |  |  |  | 300 |
| Lectures delivered as resource persons | 20 |  |  |  |  |  |  |  |  | 600 |
| Newspaper coverage | 24 |  |  |  |  |  |  |  |  | Mass |
| Radio talks | 2 |  |  |  |  |  |  |  |  | Mass |
| TV talks | 1 |  |  |  |  |  |  |  |  | Mass |
| Popular articles | 6 |  |  |  |  |  |  |  |  | Mass |
| Extension Literature | 5 |  |  |  |  |  |  |  |  | 2500 |
| **Advisory Services** | 500 |  |  |  |  |  |  |  |  | 500 |
| Scientific visit to farmers field | 30 |  |  |  |  |  |  |  |  | 750 |
| Farmers visit to KVK | 750 |  |  |  |  |  |  |  |  | 500 |
| Diagnostic visits | 5 |  |  |  |  |  |  |  |  | 150 |
| Exposure visits | 5 |  |  |  |  |  |  |  |  | 200 |
| Ex-trainees Sammelan | - |  |  |  |  |  |  |  |  | - |
| Soil health Camp | 2 |  |  |  |  |  |  |  |  | 200 |
| Animal Health Camp | 6 |  |  |  |  |  |  |  |  | 300 |
| Agri mobile clinic | - |  |  |  |  |  |  |  |  | - |
| Soil test campaigns | 1 |  |  |  |  |  |  |  |  | 100 |
| Farm Science Club Conveners meet |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Mahila Mandals Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Celebration of important days (specify) | 2 |  |  |  |  |  |  |  |  | 100 |
| Krishi Mohostva |  |  |  |  |  |  |  |  |  |  |
| Krishi Rath |  |  |  |  |  |  |  |  |  |  |
| Pre Kharif workshop | As per Allotment |  |  |  |  |  |  |  |  | Mass |
| Pre Rabi workshop | **“** |  |  |  |  |  |  |  |  | Mass |
| PPVFRA workshop | **“** |  |  |  |  |  |  |  |  | Mass |
| Any Other (Specify) | **“** |  |  |  |  |  |  |  |  | Mass |
| **Total** | **1393** |  |  |  |  |  |  |  |  | **10200** |

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

**SEED MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (qtl.)** |
|
| **CEREALS** |  |  |  |
|  | Peralmillet | HHB-67 Improved | 2.00 |
|  | Wheat | WH-1105/ HD.-2967 | 5.00 |
| **OILSEEDS** |  |  |  |
|  | Mustard | RH-749/RGN-298 | 1.00 |
| **PULSES** |  |  |  |
|  | Green gram | MH-2-15/IPM-02-3 | 2.00 |
| **VEGETABLES** |  |  |  |
| **OTHERS (Specify)** |  |  |  |
|  | Clusterbean | HG-2-20 | 5.00 |

**PLANTING MATERIALS**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Variety** | **Quantity (Nos.)** |
| **FRUITS** | - |  |  |
| **SPICES** | - |  |  |
| **VEGETABLES** | - |  |  |
| **FOREST SPECIES** | - |  |  |
| **ORNAMENTAL CROPS** | - |  |  |
|  |  | **Total** |  |

**Bio-products**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | |
| **No** | **(kg)** |
| **BIO PESTICIDES** |  |  |  |  |

**LIVESTOCK**

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

**Literature to be Developed/Published**

1. **KVK News Letter**

Date of start : Nil

Number of copies to be published :

**(B) Literature developed/published**

|  |  |  |
| --- | --- | --- |
| **S.No.** | **Topic** | **Number** |
| 1 | Research paper each scientist | 3 |
| 2 | Technical reports | 10 |
| 3 | News letters |  |
| 4 | Training manual all discipline |  |
| 5 | Popular article | 10 |
| 6 | Extension literature | 5 |
|  | **Total** | **28** |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Type of media (CD / VCD / DVD / Audio-Cassette)** | **Title of the programme** | **Number** |
| 1 |  |  |  |

**3.7. Success stories/Case studies identified for development as a case. - 5**

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**

a)

b)

**Rural Youth**

a)

b)

c**)**

**In-service personnel**

a)

b)

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

**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**

i. Name of villages identified/adopted with block name (from which year) - **2**

ii. No. of farm families selected per village : Whole

iii. No. of survey/PRA conducted : **8**

iv. No. of technologies taken to the adopted villages **6**

v. Name of the technologies found suitable by the farmers of the adopted villages:

vi. Impact (production, income, employment, area/technological– horizontal/vertical)

vii. Constraints if any in the continued application of these improved technologies:

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

Status of establishment of Lab:

1. Year of establishment : Not established

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 | 250 |  |  |  |
| Water | - |  |  |  |
| Plant | - |  |  |  |
| Total | 250 |  |  |  |

**4.0 LINKAGES**

**4.1 Functional linkage with different organizations**

|  |  |  |
| --- | --- | --- |
| **Sl.No.** | **Name of organization** | **Nature of Linkage** |
| 1. | Department of Agriculture, Hanumangarh | Identification of training needs & conducting of training programmes, Joint implementation of programme for increasing productivity of crops/enterprises, joint diagnostic survey. |
| 2. | Department of Horticulture, Hanumangarh | Identification of training needs & conducting of training programmes, Joint implementation of programme for increasing productivity of crops/enterprises, joint diagnostic survey. |
| 3. | Department of Animal Husbandry, Hanumangarh | Identification of training needs & conducting of training programmes, Joint implementation of programme for increasing productivity of crops/enterprises, joint diagnostic survey. |
| 4. | Department of fisheries, Hanumangarh | Identification of training needs & conducting of training programmes, Joint implementation of programme for increasing productivity of crops/enterprises, joint diagnostic survey. |
| 5. | Rajasthan State Seed Corporation, Hanumangarh | Providing Seeds and Agricultural inputs. |
| 6. | ARS and ARSS | Identification of training needs & conducting of training programmes, joint diagnostic survey, identification of target groups for implementing the KVK activities such as training. |
| 7. | LRS, Nohar | Training needs and Diagnostic survey on Animals. |
| 8. | IFFCO | Providing Seeds and Agricultural inputs and trainings. |
| 9. | KRIBHCO | Providing Seeds and Agricultural inputs and trainings. |
| 10. | Rajuvas, Bikaner | Identification of training needs & conducting of training programmes, joint diagnostic survey, identification of target groups for implementing the KVK activities such as training, gosthi etc |
| 11. | SKRAU, Bikaner | Identification of training needs & conducting of training programmes, joint diagnostic survey, identification of target groups for implementing the KVK activities such as training. |
| 12. | Gangmul Dairy | Involvement in training programme. |
| 13. | ATMA, Hanumangarh | Involvement in conducting various training programmes, Gosthi, Demonstration etc. |
| 14. | ICICI Bank, Nohar | Financial Management |
| 15. | KVSS Nohar (Coop. Society) | Purchase of Agricultural inputs. |
| 16. | Fruit & Veg. KVSS Nohar | Purchase of Agricultural inputs. |

4.2 Details of linkage with ATMA

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 | To be Conducted ATMA as per allotment |  |
| 2 |  |  |
|  |  |  |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| 1 | To be Conducted NHM as per allotment |  |
| 2 |  |  |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** |
| **1** | To be Conducted NFDB as per allotment |  |
| **2** |  |  |

**5.0 Utilization of hostel facilities**

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

**6.0 Convergence with departments:**

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

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

## Annexure - I

## Training Programme

**i) Farmers & Farm women** **(On Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | | **Duration in days** | | **No. of participants** | | | | **SC/ST participants** | | | **G. Total** |
| **M** | | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | | | | |
|  | PF | Weed Management | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF | Integrated Farming | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF | Seed Production | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF | Integrated Crop Management | | 4-6 | |  | |  |  |  |  |  | 30 |
| **Livestock prod.** | | | | | | | | | | | | | |
|  | PF/FW | Dairy Management | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF | Disease Management | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF/FW | Feed management | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF/FW | Production of quality animal products | | 4-6 | |  | |  |  |  |  |  | 30 |
|  | PF/FW | Production of livestock feed and fodder | | 4-6 | |  | |  |  |  |  |  | 30 |
| **Plant Protection** | | | | | | | | | | | | | |
|  | PF | Bio-control of pests and diseases | 4-6 | |  | |  | |  |  |  |  | 30 |
| **Production of Inputs at site** | | | | | | | | | | | | | |
|  | PF | Vermi-compost production | 4-6 | |  | |  | |  |  |  |  | 30 |

**i) Farmers & Farm women (Off Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | | **Clientele** | | | | | **Title of the training programme** | **Duration in days** | | **No. of participants** | | | **SC/ST participants** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **Crop Production** | | | | | | | | | | | | | | | | |
|  | | PF | | Weed Management | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Resource Conservation Technologies | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Cropping Systems | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Crop Diversification | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Integrated Farming | | | | 1 | |  |  |  |  |  |  | 80 |
|  | | PF | | Water management | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Seed production | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Nursery management | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Integrated Crop Management | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Fodder production | | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | Production of organic inputs | | | | 1 | |  |  |  |  |  |  | 40 |
| **Horticulture** | | | | | | | | | | | | | | | | |
|  | | PF | | Production of low volume and high value crops | | | | | 1 |  |  |  |  |  |  | 40 |
|  | | PF | | Protective cultivation (Green Houses, Shade Net etc.) | | | | | 1 |  |  |  |  |  |  | 40 |
| **Live Stock Production**. | | | | | | | | | | | | | | | | |
|  | | PF | | | Dairy Management | | | 1 | |  |  |  |  |  |  | 80 |
|  | | PF | | | Poultry Management | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | | Piggery Management | | | 1 | |  |  |  |  |  |  | 40 |
|  | | PF | | | Rabbit Management /goat | | | 1 | |  |  |  |  |  |  | 80 |
|  | | PF | | | Disease Management | | | 1 | |  |  |  |  |  |  | 80 |
|  | | PF | | | Feed management | | | 1 | |  |  |  |  |  |  | 80 |
|  | | PF | | | Production of quality animal products | | | 1 | |  |  |  |  |  |  | 40 |
| **Plant Protection** | | | | | | | | | | | | | | | | |
|  | PF | | Integrated Pest Management | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Integrated Disease Management | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Production of bio control agents and bio pesticides | | | | | 1 | |  |  |  |  |  |  | 40 |
| **Soil health** | | | | | | | | | | | | | | | | |
|  | PF | | Soil fertility management | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Soil and Water Conservation | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Integrated Nutrient Management | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Management of Problematic soils | | | | | 1 | |  |  |  |  |  |  | 40 |
|  | PF | | Soil and Water Testing | | | | | 1 | |  |  |  |  |  |  | 80 |
| **Fisheries** | | | | | | | | | | | | | | | | |
|  | | PF | | | | Composite fish culture | | 1 | |  |  |  |  |  |  | 40 |
| **Production of Inputs at site** | | | | | | | | | | | | | | | | |
|  | | PF | | | | Production of livestock feed and fodder | | 1 | |  |  |  |  |  |  | 40 |

## 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** |
|  |  | Sheep and goat rearing | May-June | 4-6 |  |  |  |  |  |  | 30 |
|  |  | [Entrepreneurial opportunities in](http://kvk.icar.gov.in/past_image_video.aspx?eventid=94de5344-0db8-4764-a316-dd61fb5246aa) Mushroom production | Aug.-Sept. | 4-6 |  |  |  |  |  |  | 30 |
|  |  | Vermi-culture | Sept.-Oct. | 4-6 |  |  |  |  |  |  | 30 |
|  |  | [Entrepreneurial opportunities in](http://kvk.icar.gov.in/past_image_video.aspx?eventid=94de5344-0db8-4764-a316-dd61fb5246aa) Mushroom production | Oct.-Nov. | 4-6 |  |  |  |  |  |  | 30 |
|  |  | [Entrepreneurial opportunities in Beekeeping](http://kvk.icar.gov.in/past_image_video.aspx?eventid=94de5344-0db8-4764-a316-dd61fb5246aa) | Oct.-Nov. | 4-6 |  |  |  |  |  |  | 30 |
|  |  | Sheep and goat rearing | Nov.Dec. | 4-6 |  |  |  |  |  |  | 30 |
|  |  | [Entrepreneurial opportunities in Beekeeping](http://kvk.icar.gov.in/past_image_video.aspx?eventid=94de5344-0db8-4764-a316-dd61fb5246aa) | Dec.- Jan. | 4-6 |  |  |  |  |  |  | 30 |
|  |  |  |  |  |  |  |  |  |  |  |  |

**iii) Training programme for extension functionaries**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **No. of participants** | | | **SC/ST participants** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| **On Campus** | | | | | | | | | | |
|  |  | Productivity enhancement in field crops | 4-6 |  |  |  |  |  |  | 20 |
|  |  | Livestock feed and fodder production | 4-6 |  |  |  |  |  |  | 20 |

**iv) Sponsored programme - As per allotment**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Sponsoring agency** | **Clientele** | **Title of the training programme** | **No. of course** | **No. of participants** | | | **SC/ST participants** | | | **G. Total** |
| **M** | **F** | **T** | **M** | **F** | **T** |
| 1. **Sponsored training programme** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | **Total** |  |  |  |  |  |  |  |  |
| 1. **Sponsored research programme** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | **Total** |  |  |  |  |  |  |  |  |
| 1. **Any special programmes** | | | | | | | | | | | |
|  |  |  |  |  |  |  |  |  |  |  |  |
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|  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  | **Total** |  |  |  |  |  |  |  |  |