**KRISHI VIGYAN KENDRA**

**HALSHI, LAKHISARAI (BIHAR)**

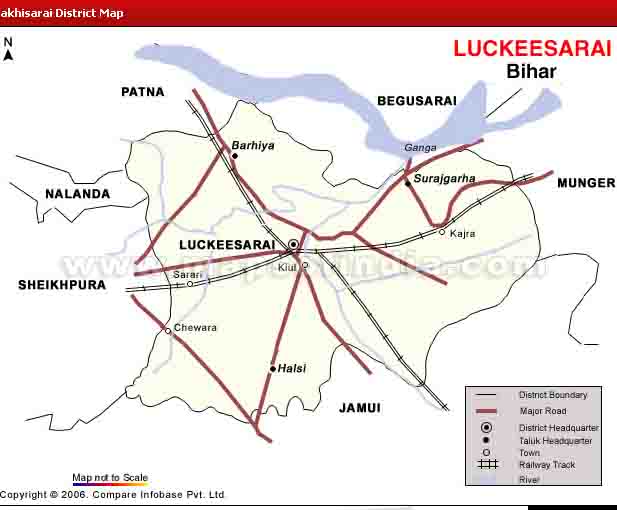


ANNUAL PROGRESS REPORT

APRIL, 2012- MARCH, 2013

**BIHAR AGRICULTURAL UNIVERSITY, SABOUR**

**BHAGALPUR- 813210**

****

**Revised proforma for Annual Report April 2012 to March 2013**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Krishi Vigyan Kendra | Office | FAX |  |
| Halsi, Lakhisarai | 9431413543 |  | [Kvklakhisarai06@gmail.com](mailto:Kvklakhisarai06@gmail.com) |
|  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX |  |
| B.A.U Sabour (Bhagalpur) | 06412452606 | 06412452641 | [deebausabour@gmail.com](mailto:deebausabour@gmail.com) |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Dr. Arbind Kumar Sinha | Halsi, Lakhisarai | 9431413543 | [kvklakhisarai06@gmail.com](mailto:kvklakhisarai06@gmail.com) |

1.4. Year of sanction of KVK: 2006

**1.5. Staff Position (as on 1st April, 2013)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Sanctioned post | Name of the incumbent | Designation | Discipline | Pay  Scale with present basic | Date of joining/ if vacant since when | Permanent  /Temporary | Category (SC/ST/  OBC/  Others) |
| 1 | Programme  Coordinator | Dr. Arbind Kumar Sinha | PC | Horticulture | 15600-39100  (30320) | 14-05-2012 | Permanent | GEN |
| 2 | Subject Matter  Specialist | Dr. Sudhir Chandra Choudhary | SMS | Plant Breeding and Genetics | 15600-39100  (26600) | 09-11-2007 | Permanent | BC |
| 3 | Subject Matter  Specialist | Smt. Sangita Kumari | S.M.S | Home Sc. | 15600-39100  (23210) | 24.06.09 | “Permanent | GEN |
| 4 | Subject Matter  Specialist | Dr. Ratnesh Kumar Choudhary | SMS | Animal Science | 15600-39100  (21000) | 11-04-2012 | Permanent | BC |
| 5 | Subject Matter  Specialist | Dr. Sabha Jeet | SMS | Agronomy | 15600-39100  (21000) | 12-04-2012 | Permanent | GEN |
| 6 | Subject Matter  Specialist | Vacant | ---- | Soil Science |  |  |  |  |
| 7 | Subject Matter  Specialist | Vacant |  | Plant protection |  |  |  |  |
| 8 | Farm Manager | Mr. Avni Kant | Farm Manager | ------- | 9300-34800 (13500) | 26-10-2012 | Permanent | GEN |
| 9 | Programme Assistant/ Lab technician | Mr. Ravi Ranjan Kumar | Programme Assistant | ------- | 9300-34800 (13500) | 17-11-2012 | Permanent | GEN |
| 10 | Assistant | Mr. Vijay Kumar Singh | Assistant | ------- | 9300-34800 (13500) | 12-04-2013 | Permanent | GEN |
| 11 | Computer  Programmer | Vacant |  |  |  |  |  |  |
| 12 | Stenographer/ Computer Operator | Vacant |  |  |  |  |  |  |
| 13 | Driver | Vacant | Jeep Driver |  |  |  |  |  |
| 14 | Driver | Sri Bittu Kumar | Tractor Driver |  | 5400 Fix | 01.03.12 | Contractual | GEN |
| 15 | Supporting staff | I.D Chauhan |  |  | 4200 Fix | 01.11.06 | Contractual | EBC |
| 16 | Supporting staff | S.K Singh |  |  | 4200 Fix | “01.11.06 | “Contractual | GEN |

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

|  |  |  |
| --- | --- | --- |
| S. No. | Item | Area (ha) |
| 1 | Under Buildings | 2.00 |
| 2. | Under Demonstration Units | 1.00 |
| 3. | Under Crops | 15.00 |
| 4. | Orchard/Agro-forestry | Nil |
| 5. | Others (Road, undulating land etc.) | 2.09 |
|  | Total | 20.09 |

**1.7. Infrastructure Development:**

**A) Buildings**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of building | Not yet started | Completed up to plinth level | Completed up to lintel level | Completed up to roof level | Totally completed | Plinth area (sq.m) | Under use or not\* | Source of funding |
| 1 | Administrative  Building |  |  | Completed up to lintal level |  |  | 550 |  | ICAR |
| 2. | Farmers Hostel |  |  |  | Completed up to roof level |  | 305 |  | ICAR |
| 3. | Staff Quarters (6) |  |  |  |  |  |  |  | ICAR |
| 4. | Demonstration Units (2) |  |  |  |  |  |  |  |  |
| 5 | Fencing |  |  |  |  |  |  |  |  |
| 6 | Rain Water harvesting structure |  |  |  |  |  |  |  |  |
| 7 | Threshing floor |  |  |  |  | Totally completed |  | Use | ICAR |
| 8 | Farm godown |  |  |  |  | Totally completed |  | Use | ICAR |
| 9. | Others |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

\* If not in use then since when and reason for non-use

**B) Vehicles**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of vehicle | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
| Bolero | 2006 |  | 9661616 km | Good |
| Tractor | 2006 |  |  | Good |
|  |  |  |  |  |

**C) Equipment & AV aids**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
| Sewing machine 2 pieces | 2012 | 10000 | Good | ICAR |
| Mixing machine 1 piece | 2012 | 3850 | Good | ICAR |
| Xerox machine | 2013 | 75000 | Good | ICAR |
| Printer | 2012 |  | Good | ICAR |
| Fax Machine | 2013 |  | Good | ICAR |
| Projector (Sony BPL) projection screen | 2013 | 51660 | Good | ICAR |
| Laptop (VAIO) | 2013 | 48350 | Good | ICAR |

**D) Farm implements**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
| M.B. Plough | 2006 |  | Not Good |  |
| Disc Harrow | 2006 |  | Good |  |
| Multi Crop Thresher | 2012 |  | Good | RKVY |
| Rotavator | 2012 |  | Good | RKVY |
| Zero tillage | 2012 | 65000 | Good | ATMA |
| Generator set 7.00 KV | 2012 | 50000 | Good | ICAR |
| Pumping set 7.5 H.P. | 2012 | 37989 | Good | ICAR |
| Pumping set 4.0 H.P. | 2012 | 19000 | Good | Revolving |
| Disc harrow | 2012 | 37750 | Good | ICAR |
| Cultivator (Nine tine) | 2012 | 23750 | Good | ICAR |
| Seed drill | 2012 |  | Good |  |
| Winnowing machine | 2012 | 2850 | Good | RKVY |
| Duster | 2012 | 1950 | Good | Revolving |
| Power sprayer | 2012 | 6500 | Good | ICAR |

**1.8. A). Details SAC meeting\* conducted in the year 2012**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.No. | Date | Number of Participants | Salient Recommendations  Action taken |
| 1. | 08.08.12 | 35 | 1. A quarterly calendar related to agriculture production should be printed and distributed among farmers. 2. Suggestion for growing short duration paddy variety to farmers due to uneven/ delay of monsoon. 3. Administrative building and trainees hostel with two staff quarter must be complete within two month. 4. A demo unit of fruit nursery must be developed at KVK. 5. OFT of Animal Science, Home Science and Agronomy must be revised. 6. OFT and FLD result should be taken very cautiously. 7. Before conducting OFT and FLD soil testing should be done. 8. 80% of paddy transplanting at KVK was complete instead of delay of monsoon/ under stress condition. This is biggest achievement of KVK. |

**2. DETAILS OF DISTRICT (2012-13) : Source of information must be indicated**

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

|  |  |
| --- | --- |
| S. No | Farming system/enterprise |
| 1 | The cropping system varies depending upon the rainfall, land situation and water. In the Lakhisarai there are many farming situation namely upland, medium, low land, medium top land, middle tal land, bottom tal land, canal irrigated land, water logged area etc. Major crops grown in the district during rabi seson are wheat, rabi maize, pulses including gram, lentil, pea and kheshari, vegetable including onion, patato and Oilseeds including rape seed and mustard. In kharif season major crops are Paddy etc. |

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

topography)

|  |  |  |
| --- | --- | --- |
| S. No | Agro-climatic Zone | Characteristics |
| 1 | IIIA | The district of Lakhisarai belong in zone III A to the state of Bihar, the geographical area of Lakhisarai district is 128142.837 (ha) sq. And it has a total of seven blocks, 503 village and two towns. The district is undeveloped and some parts of the southern part remains in a dry state. |

|  |  |  |
| --- | --- | --- |
| S. No | Agro ecological situation | Characteristics |
| 1 | The average rainfall of Lakhisarai district is 1207 mm, the maximum and minimum temperature remains 1140 F and 71.80 F respectively in summers where as 81.40 F and 46.80 F respectively in winter. January is the coldest and may is hottest month of the year. The whole area receives 80 % of the total rainfall during June to September. |  |

2.3 Soil types

|  |  |  |  |
| --- | --- | --- | --- |
| S. No | Soil type | Characteristics | Area in ha |
| 1 | Alluvial | The district has alluvial soil composed of sand, silt and clay in its most part. The soil is fertile and suitable for crop production. The alkaline and saline deposits are rarely found. There is little erosion at some places. Natural’s hazards like drought, river erosion are some of the environmental problems of the district. The district has heavy texture alluvial soil in tracts while on an average the fertility of soil is low to medium in nature. |  |

**2.4. Area, Production and Productivity of major crops cultivated in the district 2011-12**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| S. No | Crop | Area (ha) | Production (q) | Productivity (q/ha) |
| 1  2  3  4  5  6  7  8  9  10  11  12 | Paddy  Maize  Arhar  Wheat  Gram  Lentil  Pea  Other pulses  Mustard  Linseed  Sunflower  Til | 24775  2802  1459  19536  2045  4665  960  2525  1220  105  18  5 | 346850  70050  17508  294540  32720  55980  15360  32825  9760  840  216  25 | 14  25  12  15  16  12  16  13  8  8  12  5 |

**2.5. Weather data**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) |
| April 2012  May 2012  June 2012  July 2012  August 2012  September 2012  October 2012  November 2012  December 2012  January 2013  February 2013  March 2013 | 00  28.4  30.5  23.4  325.15  160.10  125.35  10.22  00  22.32  4.2  00 | Maximum  37.90  39.80  39.95  34.70  34.50  36.25  29.70  27.75  19.70  16.80  21.95  32.77 | Minimum  21.90  23.85  25.50  24.70  24.50  24.25  19.40  17.84  11.70  9.10  14.50  20.20 | 80  76.75  70.25  79.50  82.60  74.00  75.02  76.00  69.22  73.50  58.50  63.80 |
|  |  |  |  |  |

* 1. **Production and productivity of livestock, poultry, fisheries etc. in the district**

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 4300 | 125800 lt | 6 lt/milch animal |
| *Indigenous* | 54485 | 136212 lt | 2.5 lt/milch animal |
| **Buffalo** | 46422 | 232110 lt | 5 lt/milch animal |
| **Sheep** | | | |
| Crossbred | 668 | 1002 lt | 1.5 kg/Sheet |
| *Indigenous* |  |  |  |
| **Goats** | 59261 | 474088 kg Meat | 8 kg/ Goat |
| **Pigs** | 8215 | 180730 kg Meat | 22 kg Meat/Pig |
| *Crossbred* |  |  |  |
| *Indigenous* |  |  |  |
| **Rabbits** | 156 | 390 kg Meat | 2.5 kg/Rabbit |
| **Poultry** 88401 108039 kg Meat 1.25 kg/Poultry | | | |
| Hen |  |  |  |
| *Desi* |  |  |  |
| *Improved* |  |  |  |
| Duck |  |  |  |
| Turkey and others |  |  |  |

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

**2.7 Details of operational area / villages (2012-13)**

| Sl.No. | Taluk | Name of the block | Name of the village | Major crops & enterprises | Major problem identified | Identified Thrust Areas |
| --- | --- | --- | --- | --- | --- | --- |
| 1 |  | Halsi | Dhira, Mohaddinagar, Kaidi, Aagat, Bandol | Paddy & Onion | Non availability of good quality of seed | To produce good quality of seed |
| 2 |  | Ramgarh | Parswana, Sharma | Lentil & Paddy | √ |  |
| 3 |  | Lakhisarai | Bilauri | Onion & Paddy | √ |  |
| 4 |  | Pepiariya | Ramchander pur | Paddy & Tomato | √ |  |
| 5 |  | Barahiya | Khutaha, Gangasarai | Wheat, Gram and Lentil | √ |  |
| 6 |  | Suryagaradha | Khawa | Maize & Vegitable | √ |  |
| 7 |  | Chanan | Itaun | Vegitable & Paddy | √ |  |

**2.8 Priority thrust areas**

|  |  |
| --- | --- |
| S. No | Thrust area |
| 1 | Integrated crop management |
| 2 | Integrated farming system |
| 3 | Use of vermicompost and other biofertilizer |
| 4 | Integrated pest management |
| 5 | Oilseed cultivation |
| 6 | Use of zero tillage |
| 7 | Cultivation of off time vegetables |
| 8 | Onion seed production |
| 9 | Suitable cropping sequence in view of the prevailing agro-climatic condition in order to enhance high economic return |
| 10 | Goatary |
| 11 | Poultry |
| 12 | Biopesticide for the management of pest |

**3. TECHNICAL ACHIEVEMENTS**

**3. A. Details of target and achievement of mandatory activities by KVK during 2012-13**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **OFT** | | | | **FLD** | | | |
| **1** | | | | **2** | | | |
| **Number of OFTs** | | **Number of farmers** | | **Number of FLDs** | | **Number of farmers** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 5 | 10 | 50 | 100 | 4 | 10 | 100 | 200 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Training** | | | | **Extension activities** | | | |
| **3** | | | | **4** | | | |
| **Number of Courses** | | **Number of Participants** | | **Number of activities** | | **Number of participants** | |
| **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** | **Target** | **Achievement** |
| 55 | 61 | 1800 | 2009 | 112 | 1276 | 3056 | 4246 |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

|  |  |  |  |
| --- | --- | --- | --- |
| **Seed production (ha.)** | | **Planting material (Nos.)** | |
| **5** | | **6** | |
| **Target** | **Achievement** | **Target** | **Achievement** |
| Paddy 10 ha. | 10 ha. |  |  |
| Wheat 10 ha | 07 ha |  |  |
| Lentil 3.00 | 3.00 ha |  |  |
| Gram 1.00 | 1.00 ha |  |  |
| Green gram 5.00 | 6.00 ha. |  |  |

**3.1 Achievements on technologies assessed and refined**

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

* 1. Title of on-farm trials
  2. Problem diagnosed
  3. Details of technologies selected for assessment/refinement
  4. Source of technology
  5. Production system and thematic area
  6. Performance of the technology with performance indicators
  7. Final recommendation for micro level situation
  8. Constraints identified and feedback for research
  9. Process of farmers participation and their reaction

**B. TECHNOLOGY ASSESSMENT AND REFINEMENT IN DETAIL**

**OFT-1, Title: -** Effect of growth and yield of rice under different cropping system.

**A. Problem diagnose:-**1. Low Productivity of rice due to sheath blight disease and thrips infestation

2. Low productivity of wheat due to delay sowing

**B. Details of technology selected for assessment/ refinement :-** Due to serious problem in sheath blight disease (Galan rog- Local name) and Thrips (Bhanbhaniya- Local name) infestation in rice variety Naata Mansuri (MTU-7029) in large areas and delay of wheat sowing approximate 20 to 25% rice and wheat yield decline every year. So I selected short/ medium duration rice varieties var. Rajendra Sweta/ Rajendra Kasturi and also modified cropping system to solving this type problem for better yield and returns.

**C. Sourse of technology :-** A.I.C.R.P. on I.F.S., B.A.U., Sabour

**D. Production System and Thematic area :-** Integrated crop management.

**E. Intervention plan :-**

**Technological Option-1.** Rice- Wheat (Farmer Practices)

**Technological Option -2.** Rice- winter Maize

**Technological Option -3.** Rice- Wheat- Moong

**Technological Option -4.** Rice- Potato+ Radish- Onion+ Maize (Relay crop).

**Design:**- RBD

**Replication: 15** (Farmers plot)

**Plot size :** 1300 m2 each treatment

**F. Performance of technology with performance indicators:-**

**a. Performance of rice (var. Rajendra Kasturi) in rice- wheat system**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Plant height (cm)** | **No. of productive tillers/hill** | **No. of panicle m2** | **No. of grain/ panicle** | **1000 grain weight (g)** | **Average grain yield of 15 replication (q/ha)** | **Net return (Rs/ha)** | **B:C ratio** |
| TO-1 | 91 | 25.14 | 370.80 | 322.00 | 24.64 | 38.00 | 24338.34 | 2.01 |
| TO-2 | 100 | 28.95 | 375.00 | 335.00 | 23.68 | 38.50 | 24977.09 | 2.03 |
| TO-3 | 95 | 28.00 | 380.90 | 340.00 | 23.00 | 39.00 | 25615.84 | 2.05 |
| TO-4 | 100 | 30.00 | 390.00 | 346.00 | 22.00 | 40.00 | 26893.34 | 2.11 |

**b. Performance of winter maize (var. Shaktiman-4) in rice- winter maize system**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Plant height (cm)** | **Weight of cobs/plant (g)** | **Length of cob (cm)** | **1000 grain weight (g)** | **Average grain yield of 15 replication (q/ha)** | **Net return (Rs/ha)** | **B:C ratio** |
| TO-1 | 147 | 125 | 10.00 | 222.00 | 41.24 | 18638 | 1.93 |
| TO-2 | 160 | 144 | 14.60 | 226.67 | 45.97 | 22472 | 2.19 |
| TO-3 | 168 | 147 | 14.77 | 229.56 | 48.54 | 23879 | 2.20 |
| TO-4 | 172 | 149 | 14.90 | 231.21 | 50.73 | 25139 | 2.23 |

**c. Performance of wheat (var. PBW-343) in rice- wheat system**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Plant height (cm)** | **Effective tillers/meter row length** | **No. of grains/spiklet** | **1000 grain weight (g)** | **Average grain yield of 15 replication (q/ha)** | **Biological yield (q/ha)** | **Net return (Rs/ha)** | **B:C ratio** |
| TO-1 | 69 | 55.8 | 1.75 | 33.0 | 27.3 | 67.2 | 20900 | 2.16 |
| TO-2 | 78 | 63.8 | 2.08 | 38.3 | 35.7 | 83.0 | 29500 | 2.47 |
| TO-3 | 85 | 70.1 | 2.36 | 42.4 | 40.3 | 93.8 | 34200 | 2.62 |
| TO-4 | 91 | 74.7 | 2.52 | 46.2 | 44.0 | 101.6 | 38000 | 2.65 |

**d. Performance of Potato+ radish (var. Kufri pukhraj+ Pusa chetki) in rice- potato+radish system**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatment** | **Potato tuber yield (q/ha)** | **Net return (Rs/ha)** | **B:C ratio** | **Radish yield (q/ha)** | **Net return (Rs/ha)** |
| TO-1 | 161.9 | 37000 | 1.79 | 25.0 | 12500 |
| TO-2 | 165.4 | 42000 | 1.97 | 28.5 | 14500 |
| TO-3 | 168.6 | 42000 | 2.02 | 32.0 | 16000 |
| TO-4 | 217.1 | 69800 | 2.71 | 32.0 | 16000 |

**H. Feed back for research:-**

This trial was conducted in *kharif* season of 2012 under A.I.C.R.P. on I.F.S. in different cropping system, Rice- Wheat (Farmer Practices), Rice- winter Maize,Rice- Wheat- Moong andRice- Potato+ Radish- Onion+ Maize (Relay crop). Till now I have find result of rice, winter maize, wheat and potato in Rice- Wheat (Farmer Practices), Rice- winter Maize,Rice- Wheat- Moong andRice- Potato+ Radish- Onion+ Maize (Relay crop) system which mentioned above. In spring season of 2013 moong and Onion trial is under good condition. The final result will find after completion of cropping system.

**OFT-2, Title.** Effect of different herbicide on growth and yield of wheat in rice- wheat system under Zero-tillage.

1. **Problem diagnose:-** Low productivity of wheat due to late sowing and weeds problem namely Phalaris minor infestation.
2. **Details of technology selected for assessment/ refinement:-** Due to serious problem of weeds namely Phalaris minor and delay of wheat sowing 25% wheat yield decline every year. So I selected different herbicidal trial and modified crop establishment method for better yield.
3. **Sourse of technology:**- Indian Journal of Agronomy articles.
4. **Production System and Thematic area:-** Weed management
5. **Intervention plan:-**

**TO-1.** Farmer practices

**TO-2.** Glyphosate @ 1.5 lit. /ha at one week before sowing of wheat

**TO-3.** Isoproturan @ 1.25 lit. /ha at 25 days after sowing of wheat

**TO-4.** Sulfosulfuron @ 25 g/ha as post emergence 24 days after sowing of wheat

**Replication:-** 20

**Design:-** RBD

**Crop:-** Wheat

**Variety:-** HD 2985

**Plot size:-** 2000 m2 each treatment

1. **Performance of technology with performance indicators:-**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Plant height (cm)** | **Tillers/m2** | **No. of grain/ spike** | **1000 grain weight (g)** | **Average grain yield of 20 replication (q/ha)** | **Straw yield (q/ha)** | **Net return (Rs/ha)** | **B:C ratio** |
| TO-1 | 85.0 | 230 | 40.0 | 40.0 | 35.00 | 47.00 | 25440 | 1.97 |
| TO-2 | 94.9 | 260 | 45.6 | 42.3 | 40.60 | 52.40 | 28622 | 2.01 |
| TO-3 | 95.9 | 262 | 47.9 | 42.2 | 41.10 | 52.80 | 29046 | 2.06 |
| TO-4 | 98.0 | 266 | 48.1 | 42.2 | 41.40 | 53.60 | 29442 | 2.05 |

1. **Feed back for research:**

Result were clearly revealed that TO-4 (Sulfosulphuron 25 g a.i./ha) record highest plant height, higher number of effective tillers, grain/ears, 1000 grain weight grain, straw yield and net return followed by TO-3 (Isoproturon, 1.50 lit/ha), TO-2 (Glyphosate 2.00 lit./ha) and TO-1 (Farmer practices) while B:C ratio was higher under TO-3(Isoproturon, 1.50 lit/ha).

**Recommendations:-** On the basis of net returns TO-4 (Sulfosulphuron 25 g a.i./ha) is effective for farmers practices for better yield and returns.

**OFT-3, Title: -** **Assessment of acceptability of supplemented traditional badi.**

**Problem diagnose:-** Lack of vegitables in daily diet of rural people in summer

**B. Details of technology selected for assessment/ refinement :-** Organoleptic taste on hedonic scale

**C. Sourse of technology :-** A.I.C.R.P.

**D. Production System and Thematic area :-** Design and denclopment of nutrient efficient diet.

**E. Intervention plan :-**

**Technological Option-1.** Badi (Nugget) preparation by pea flour and ash gourd pulp in 1:1 ratio

**Technological Option -2.** Badi preparation by pea flour and tomato pulp in 1:1 ratio

**Technological Option -3.** Badi preparation by pea flour and spinach in 1:1 ratio.

**Replication: 10** (Farmer women)

**F. Performance of technology with performance indicators:-**

**Score for sensory quality characteristics of badi made by adding different vegetables**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Sensory quality characteristics** | | | | | |
|  | **Colour** | **Flavour** | **Texture** | **Taste** | **Appearance** | **Overall acceptability** |
| **TO-1** | 7.0 | 6.8 | 7.8 | 7.6 | 6.5 | 7.2 |
| **TO-2** | 8.5 | 8.6 | 8.2 | 8.4 | 8.5 | 8.4 |
| **TO-3** | 8.2 | 8.5 | 8.1 | 8.2 | 8.0 | 8.2 |
| **Scoring scale-** | | | | | | |
|  | 1-2 | Very poor |  |  |  |  |
|  | 3-4 | Poor |  |  |  |  |
|  | 5-6 | Fair |  |  |  |  |
|  | 7-8 | Good |  |  |  |  |
|  | 9-10 | Very good |  |  |  |  |

**Nutritional qualities of badi made by different vegetables:-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Treatment** | **Beta carotene (mg/ 100 g)** | **Protein (g/100g)** | **Calcium (mg/100g)** | **Iron (mg/100g)** | **B:C ratio** |
| **TO-1** | 39 | 20.3 | 105 | 7.85 | 1.5 |
| **TO-2** | 3049 | 20.6 | 123 | 7.69 | 2.4 |
| **TO-3** | 9479 | 21.7 | 148 | 8.19 | 2.6 |

**G.Feed back for research:-**

Sensory evaluation of supplemental badi with tomato and spinach pulp shows that it is very much acceptable among rural people. The nutritional quality are also high for spinach supplemental badi followed by tomato.

**OFT-4, Title: -** **Assessment of different method of raw potato chips making through sensory evaluation for better self life.**

1. **Problem diagnose:-** The colour of raw potato chips become brown after processind and drying**.**
2. **Details of technology selected for assessment/ refinement :-** sensory evaluation of potato chips made by different method through score card method.

**C. Sourse of technology :-** CPRS.

**D. Production System and Thematic area :-** Valu addition.

**E. Intervention plan :-**

**Technological Option-1.**  Farmers practices (chips made by blanching in hot water and drying afterward).

**Technological Option -2.** Chips blanched in hot boiling water for two minutes and dipping for 10 minutes in 0.1 percent solution of KMS (potassium metabisulphite)

**Technological Option -3.** Chips blanched in hot boiling water for two minutes and dipping for 10 minutes in 0.1 percent solution of KMS & 0.1% acetic acid solution.

**Replication: 10** (Farmer women)

**F. Performance of technology with performance indicators:-**

**Score for sensory quality characteristics of potato chips made by different method**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Treatment** | **Sensory quality characteristics** | | | | | |
|  | **Colour** | **Flavour** | **Texture** | **Taste** | **Appearance** | **Overall acceptability** |
| **TO-1** | 3.9 | 6.0 | 6.5 | 7.2 | 4.1 | 5.2 |
| **TO-2** | 7.8 | 7.5 | 7.5 | 7.6 | 8.0 | 7.8 |
| **TO-3** | 8.1 | 7.6 | 7.5 | 7.6 | 8.1 | 7.9 |
| **Scoring scale-** | | | | | | |
|  | 1-2 | Very poor |  |  |  |  |
|  | 3-4 | Poor |  |  |  |  |
|  | 5-6 | Fair |  |  |  |  |
|  | 7-8 | Good |  |  |  |  |
|  | 9-10 | Very good |  |  |  |  |

**G.Feed back for research:-**

The colour and texture of raw potato chips made by use of KMS and acetic acid after two month of storage were more acceptable than chips made by farmers practice.

**OFT-5, Title.** Effect of level of boron in growth yield and quality of mid season cauliflower. ( Pusa sharad).

1. **Problem diagnose:-** Browning of curd and hallow stem in cauliflower.
2. **Details of technology selected for assessment/ refinement:-** Boron deficiency in crop is critical in highly calcareous soil, Sandy leached.
3. **Sourse of technology:**- Journal of vegetable science.
4. **Production System and Thematic area:-** Disease management
5. **Intervention plan:-**

**TO-1.** Farmer practices

**TO-2.** 0.2% Boron spray (Through Borax),

**TO-3.** 0.4% Boron spray.

**Replication:-** 10

**Design:-** RBD

**Crop:-** Cauliflower

**Variety:-**  Pusa sarad

**Plot size:-** 1000 m2 each treatment

1. **Performance of technology with performance indicators:-**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Treatment | Yield of trimed curd (q/ha) | Grade in percentage | | | | Cost of cultivation (Rs/ha) | Net return (Rs/ha) | B:C |
| 100gm | 100-400 | 400-600 | >600 |  |  |  |
| To-1 | 200 | 28 | 50 | 18 | 4 | 30540 | 21460 | 1.70 |
| To-2 | 300 | 8 | 22 | 40 | 30 | 35870 | 54130 | 2.51 |
| To-3 | 340 | 6 | 12 | 40 | 42 | 38220 | 70580 | 2.85 |

**G.Feed back for research:-**

Result were clearly revealed that TO-3 (0.4% Boron spray) obtained highest curd yield (q/ha), net return (Rs/ha) and B: C ratio followed by TO-2 (0.2% Boron spray) and TO-1 (Farmer practices).

**OFT-6, Title.** Assessment of different Varieties of potato suitable for Lakhisarai Region.

**Problem diagnose:-** Lack of improved varieties in potato for production.

1. **Details of technology selected for assessment/ refinement:-** Growth and high yield purpose in potato.
2. **Sourse of technology:**- Journal of vegetable science.
3. **Production System and Thematic area:-** Selection of improved variety.
4. **Intervention plan:-**

**TO-1.** Kufri Kanchan.

**TO-2.** Kufri Pukhraj

**TO-3.** CP4 (CHIPSONA POTATO 4)

**Replication:-** 10

**Design:-** RBD

**Crop:-** Potato

**Variety:-**

**Plot size:-** 1000 m2 each treatment

1. **Performance of technology with performance indicators:-**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Technology option | Yield of potato (q/ha) | Cost of cultivation (Rs/ha) | Gross return (Rs/ha) | Net return (Rs/ha) | B:C ratio |
| TO-1 | 340 | 105000 | 238000 | 133000 | 2.26 |
| TO-2 | 400 | 110000 | 280000 | 170000 | 2.55 |
| TO-3 | 360 | 107500 | 252000 | 144500 | 2.34 |

1. **Feed back for research:-**

The data presented in this table shows that TO-2 (K. Pukhraj) recorded highest potato yield (q/ha), gross return (Rs/ha) and B: C ratio (2.55) followed by TO-3 (CP-4) and TO-1 (K. Kanchan).

**OFT- 7 Title**: Management of Post Partum Anestrous in local and cross breed cow.

1. **Problem diagnosed**: More inter calving period and decrease lactation yield.
2. **Intervention plan**:-
3. Farmers’ Practice (Bamboo leaf)
4. L.S. Paint + Mineral mixture (30gm. daily)
5. Gynarich – 5ml/ animal
6. Inj. PGF2ά (Pregma) -2ml/animal + Gynarich – 5ml/ animal
7. **Details of technologies selected for assessment/ refinement**.

**Technology assessed:** Nutritional and Hormonal control of anestrous in cow

**Table shown oestrous rate, pregnancy rate and Calving rate**

|  |  |  |  |
| --- | --- | --- | --- |
| Technology option | Oestrous  rate | Pregnancy  Rate | Calving rate |
| 1. Farmers’ Practice (Bamboo leaf) | 20% | 17% | 16% |
| 1. L.S. Paint + Mineral mixture (30gm. daily) | 70 % | 65% | 65% |
| 1. Gynarich – 5ml/ animal | 78% | 72% | 65% |
| 1. Inj. PGF2ά (Pregma) -2ml/animal + Gynarich – 5ml/ animal | 88% | 82% | 79% |

1. **Source of technology**: By guidance of gynecology department Patna Veterinary College.
2. **Production System and thematic area**: Most of anestrous cases are due to nutritional and hormonal imbalance, which reduce milk yield and influence inter calving period.
3. **Performance of the technology with performance indicators**: No of cow come to estrus and conception rate.
4. **Farmers’ feedback**:

I. Technological

II. Researchable

III. Economical

**OFT-8 Title:** Fortified Health management for reducing kid mortality.

1. **Problem diagnosed**: During winter season Kid mortality, Pneumonia and diarrhea. **Intervention plan:-**

A. Colostrums feeding (farmers’ practice)

---After birth up to 3 days.

B. Colostrum feeding (After birth up to 3 days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth. – 5 days antibiotic course.

C. Colostrum feeding (After birth up to 3 days) + deworming ( 1st dose – 21 days of Age.

2nd dose – 42 days of Age)

D. Colostrum feeding (After birth up to 3 days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth. – 5 days antibiotic course. + deworming ( 1st dose – 21 days of Age.

2nd dose – 42 days of Age)

1. **Details of technologies selected for assessment/ refinement.**

Antibiotic and deworming for reducing kid mortality

**Table shown:** Kid survivality rate, Body weight of kid and maintenance cost.

|  |  |  |  |
| --- | --- | --- | --- |
| Technology option | Kidsurvivality rate | Body weight of kid | Maintenance cost |
| 1. Colostrums feeding (farmers’ practice) | 40% | 10% | 0% |
| 1. Colostrum feeding (After birth up to 3 days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth. – 5 days antibiotic course. | 70 % | 11% | 0.2% |
| 1. Colostrum feeding (After birth up to 3 days) + deworming ( 1st dose – 21 days of Age.2nd dose – 42 days of Age) | 68% | 20% | 0.4% |
| 1. Colostrum feeding (After birth up to 3 days) + Antibiotic (Oxytetracycline) after 5 to 7 days of birth. – 5 days antibiotic course. + deworming (1st dose – 21 days of Age. 2nd dose – 42 days of Age) | 88% | 20% | 0.6% |

1. **Source of technology**: By guidance of senior scientist Dr.A.K.Mandol (Zone-II)
2. **Production System and thematic area**: Loose house system of rearing.
3. **Performance of the technology with performance indicators**: Kid survivality rate, Body weight of kid and maintenance cost.
4. **Farmers’ feedback**:
5. Technological
6. Researchable
7. Economical

**3.2 Achievements of Frontline Demonstrations**

1. **Details of FLDs implemented during 2011-12 (Information is to be furnished in the following three tables for each category i.e. cereals, horticultural crops, oilseeds, pulses, cotton and commercial crops.)**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Thematic area | Technology Demonstrated@ | Season and year | Area (ha) | | No. of farmers/  demonstration | | | Reasons for shortfall in achievement |
| Proposed | Actual | SC/ST | Others | Total |  |
| 1  2  3  4  5  6  7 | Paddy  Wheat  Lentil  Rai  Gram  Tomato  Potato | ICM  ICM  ICM  ICM  ICM  Interpreneurship development  ----do------ | Seed  Seed  Seed  Seed  Seed  Seed  Seed | Kharif 2012-13  Rabi 2012-2013  Rabi 2012-13  Rabi 2012-13  Rabi 2012-13  Rabi 2012-13  Rabi 2012-13 | 5  5  5  6  3  3  3 | 15  10  5.0  3.0  5.0  1.0  1.0 | 4  5  4  5  2  2  10 | 38  28  20  10  15  20  27 | 42  33  24  15  17  22  37 |  |

@ please mention component technology like seed/ fertilizer/ bio-fertilizer/ plant protection or full package

**Details of farming situation**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Season | Farming situation (RF/Irrigated) | Soil type | Status of soil | | | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
| N | P | K |
| Paddy | Kharif 2012 | RF | Clay loam | 350 kg | 20 kg | 300 kg | Fallow | 20-7-12 | 6-11-12 | 455.0 | 15.0 |
| Wheat | Rabi 2012-13 | Irrigated | Clay loam | 350 kg | 50 kg | 300 kg | Paddy | 24-12-12 | 05-4-13 | 2.2 | 1 |
| Lentil | Rabi 2012-13 | RF | Clay loam | 350 kg | 50 kg | 300 kg | Fallow | 25-10-12 | 11-3-13 | 3.2 | 1 |
| Gram | Rabi 2012-13 | RF | Clay loam | 250 kg | 20 kg | 280 kg | Fallow | 27-10-12 | 25-3-13 | 3.2 | 1 |
| Rai | Rabi 2012-13 | RF | Clay loam | 330 kg | 20 kg | 200 kg | Fallow | 22-11-12 | 11-3-13 | 3.2 | 1 |

**Performance of FLD**

**Oilseeds**:

**Frontline demonstrations on oilseed crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Thematic Area** | **Name of the technology demonstrated** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% Increase** | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| **Demo** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Rai | ICM | Seed | 15 | 3.0 | 20.60 | 17.90 | 15.0 | 18000 | 43550 | 25550 | 2.41 | 17500 | 37625 | 17500 | 2.15 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  | **15** | **3.0** | **20.60** | **17.90** | **15.0** | **18000** | **43550** | **25550** | **2.41** | **17500** | **37625** | **17500** | **2.15** |

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

\*\* BCR= GROSS RETURN/GROSS COST

**Pulses**

**Frontline demonstration on pulse crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Thematic Area** | **Name of the technology demonstrated** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% Increase** | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| **Demo** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
| Lentil | ICM | Seed | 24 | 5.0 | 13.50 | 10.76 | 25.0 | 12500 | 41700 | 29200 | 3.33 | 13500 | 36368 | 22868 | 2.69 |
| Gram | ICM | Seed | 17 | 5.0 | 14.24 | 11.81 | 20.57 | 14300 | 43151 | 28851 | 3.01 | 17500 | 37625 | 17500 | 2.15 |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  | **41** | **10.0** | **27.74** | **22.57** | **45.57** | **26800** | **84851** | **58051** |  | **31000** | **73993** | **40368** |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Maize, cotton and lentil as special programme

Frontline demonstration on maize, cotton

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Thematic Area** | **Name of the technology demonstrated** | **No. of Farmers** | **Area**  **(ha)** | **Yield (q/ha)** | | **% Increase** | **\*Economics of demonstration (Rs./ha)** | | | | **\*Economics of check**  **(Rs./ha)** | | | |
| **Demo** | **Check** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** | **Gross**  **Cost** | **Gross**  **Return** | **Net Return** | **\*\***  **BCR** |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

**Other crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category and Crop | Thematic area | Name of the technology demonstrated | No. of Farmer | Area  (ha) | Yield (q/ha) | | % change in yield | Other parameters | | \*Economics of demonstration (Rs./ha) | | | | \*Economics of check  (Rs./ha) | | | |
| Demons  ration | Check | Demo | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Cereals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rice | ICM | Seed | 42 | 15.0 | 41.00 | 36.00 | 13.88 |  |  | 27480 | 57410 | 29930 | 2.08 | 25960 | 51480 | 25520 | 1.98 |
| Wheat | ICM | Seed | 33 | 10.0 | 39.20 | 36.20 | 8.28 |  |  | 25265 | 56996 | 31724 | 2.25 | 24285 | 52565 | 28280 | 2.16 |
| Millets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetable crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tomato | **Interpreneurship development** | **Seed** | **22** | **1.0** | **300** | **250** | **20.0** |  |  | **1000000** | **240000** | **140000** | **2.40** | **100000** | **200000** | **100000** |  |
| Potato | **Interpreneurship development** | **Seed** | **37** | **1.0** | **240** | **190** | **26.31** |  |  | **95000** | **192000** | **97000** | **2.02** | **92000** | **152000** | **60000** |  |
| Flower crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fruit crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Spices and condiments |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Medicinal and aromatic plants |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Plantation crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fibre crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | **Total** | |  |  |  | | | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

Livestock

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Thematic area | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | \*Economics of demonstration (Rs.) | | | | \*Economics of check  (Rs.) | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Buffalo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Fisheries

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Thematic area | | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | \*Economics of demonstration (Rs.) | | | | \*Economics of check  (Rs.) | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Common carps |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mussels |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fishes |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | | **Total** | |  |  |  | | | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Name of the technology demonstrated | No. of Farmer | No.of units | Major parameters | | % change in major parameter | Other parameter | | \*Economics of demonstration (Rs.) or Rs./unit | | | | \*Economics of check  (Rs.) or Rs./unit | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Oyster mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Button mushroom |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermicompost |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** | |  |  |  | | | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

Women empowerment

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Category | Name of technology | No. of KVKs | No. of demonstrations | Name of observations | Demonstration | Check |
| Women |  |  |  |  |  |  |
| Pregnant women |  |  |  |  |  |  |
| Adolescent Girl |  |  |  |  |  |  |
| Other women |  |  |  |  |  |  |
| Children |  |  |  |  |  |  |
| Neonatal |  |  |  |  |  |  |
| Infants |  |  |  |  |  |  |
| Children |  |  |  |  |  |  |

Farm implements and machinery

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of the implement | Crop | Name of the technology demonstrated | No. of KVKs | No. of Farmer | Area (ha) | Filed observation (output/man hour) | | % change in major parameter | Labor reduction (man days) | | | | Cost reduction (Rs./ha or Rs./Unit ect.) | | | |
| Demons  ration | Check |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

**Demonstration details on crop hybrids**

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Name of the Hybrid** | **No. of**  **farmers** | **Area**  **(ha)** | **Yield (kg/ha) / major parameter** | | | **Economics (Rs./ha)** | | | |
|  |  |  |  | **Demo** | **Local check** | **% change** | **Gross**  **Cost** | **Gross**  **Return** | **Net**  **Return** | **BCR** |
| **Cereals** |  |  |  |  |  |  |  |  |  |  |
| Bajra |  |  |  |  |  |  |  |  |  |  |
| Maize |  |  |  |  |  |  |  |  |  |  |
| Paddy |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Oilseeds** |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |
| **Pulses** |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Vegetable crops** |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |
| 0Tomato |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Commercial crops** |  |  |  |  |  |  |  |  |  |  |
| Cotton |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| **Fodder crops** |  |  |  |  |  |  |  |  |  |  |
| Napier (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |

NB: Attach a few good action photographs with title at the back with pencil

**Analytical Review of component demonstrations (details of each component for rainfed / irrigated situations to be given separately for each season).**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Crop** | **Season** | **Component** | **Farming situation** | **Average yield (q/ha)** | **Local check (q/ha)** | **Percentage increase in productivity over local check** |
|  |  | 1. Seed/Variety |  |  |  |  |
|  |  | 2. Bio-fertilizer |  |  |  |  |
|  |  | 3. Fertilizer management |  |  |  |  |
|  |  | 4. Plant Protection |  |  |  |  |
|  |  | 5. Combination of components (Please specify) |  |  |  |  |

**Technical Feedback on the demonstrated technologies**

|  |  |
| --- | --- |
| **S. No** | **Feed Back** |
| 1 | Farmers want varieties free from disease like wilt, root rot and rust. Varieties free from pest like pod borer and aphids which affect this crop very badly. Therefore it is necessary to evolved varieties free from pest and diseases for cultivation by the farmers. |
| 2 |  |

**Farmers’ reactions on specific technologies**

|  |  |
| --- | --- |
| **S. No** | **Feed Back** |
| 1 | The input like seeds, fertilizers, insecticide, fungicides etc. being sold in the market are inferior in quality therefore develpment department should insure availability of pure input in the market timely. The cost of input like seeds, fertilizers, pesticide etc. available in the market are very high but the shelling rate of farmers grain produce is low due to cultivation of crop and farming become unprofitable. In view of the, the cost of input should reduce by the government through subsidy of input and increase the selling rate of farmer grain produce. |
| 2 |  |

**Extension and Training activities under FLD**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **No. of activities organized** | **Date** | **Number of participants** | **Remarks** |
| 1 | Field days | 18 |  | 150 |  |
| 2 | Farmers Training | 15 |  | 500 |  |
| 3 | Media coverage | 10 |  |  |  |
| 4 | Training for extension functionaries | 10 |  | 300 |  |
| 5 | Animal health camp | 2 |  | 160 |  |

* 1. **Achievements on Training (Including the sponsored and FLD training programmers):**
  2. **ON Campus**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | | | | | Grand Total | | |
| **Other** | | | | | **SC** | | | | | | **ST** | | |
|  | M | F | | T | | M | | F | | T | | M | F | T | M | F | T |
| **(A) Farmers & Farm Women** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **I Crop Production** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Weed Management | **1** | 18 |  | | 18 | | 9 | |  | | 9 | |  |  |  | **27** |  | **27** |
| Resource Conservation Technologies | **1** | 18 | - | | 18 | | 9 | | - | | 9 | | - | - | - | **27** | **-** | **27** |
| Cropping Systems | **1** | 16 | - | | 16 | | 4 | | - | | 4 | | - | - | - | **20** | **-** | **20** |
| Crop Diversification | **1** | 16 |  | | 16 | | 4 | |  | | 4 | |  |  |  | **20** |  | **20** |
| Integrated Farming | **2** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| Water management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Seed production | **1** | 17 | - | | 17 | | 3 | | - | | 3 | | - | - | - | **20** | **-** | **20** |
| Nursery management | **1** | 18 |  | | 18 | | 9 | |  | | 9 | |  |  |  | **27** |  | **27** |
| Integrated Crop Management | **2** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| Fodder production | **2** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| Production of organic inputs |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **II Horticulture** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production of low volume and high value crops | **2** | 18 |  | | 18 | | 9 | |  | | 9 | |  |  |  | **27** |  | **27** |
| Off-season vegetables | **1** | 18 | - | | 18 | | 9 | | - | | 9 | | - | - | - | **27** | **-** | **27** |
| Nursery raising | **2** | 16 | - | | 16 | | 4 | | - | | 4 | | - | - | - | **20** | **-** | **20** |
| Exotic vegetables like Broccoli | **1** | 16 |  | | 16 | | 4 | |  | | 4 | |  |  |  | **20** |  | **20** |
| Export potential vegetables |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Grading and standardization |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) | **2** | 17 | - | | 17 | | 3 | | - | | 3 | | - | - | - | **20** | **-** | **20** |
| Others, if any (Cultivation of Vegetable) |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Training and Pruning | **1** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| **b) Fruits** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Cultivation of Fruit | **2** | 16 | - | | 16 | | 4 | | - | | 4 | | - | - | - | **20** | **-** | **20** |
| Management of young plants/orchards | **1** | 16 |  | | 16 | | 4 | |  | | 4 | |  |  |  | **20** |  | **20** |
| Rejuvenation of old orchards |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Export potential fruits |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Nursery Management | **2** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| Management of potted plants | **1** | 16 |  | | 16 | | 4 | |  | | 4 | |  |  |  | **20** |  | **20** |
| Export potential of ornamental plants |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production and Management technology | **1** | 17 | - | | 17 | | 3 | | - | | 3 | | - | - | - | **20** | **-** | **20** |
| Processing and value addition | **1** | 18 |  | | 18 | | 9 | |  | | 9 | |  |  |  | **27** |  | **27** |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production and Management technology | **1** | 16 |  | | 16 | | 4 | |  | | 4 | |  |  |  | **20** |  | **20** |
| Processing and value addition | **2** | 35 | - | | 35 | | 5 | | - | | 5 | | - | - | - | **40** | **-** | **40** |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **f) Spices** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production and Management technology |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Processing and value addition |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Nursery management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production and management technology |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Soil fertility management | 1 | 22 | - | | 22 | | 3 | | - | | 3 | | - | - | - | **25** | **-** | **25** |
| Soil and Water Conservation |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Integrated Nutrient Management | 1 | 18 | - | | 18 | | 2 | | - | | 2 | | - | - | - | **20** | **-** | **20** |
| Production and use of organic inputs |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **IV Livestock Production and Management** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Dairy Management | **1** | 18 |  | | 18 | | 9 | |  | | 9 | |  |  |  | **27** |  | **27** |
| Poultry Management | **1** | 18 | - | | 18 | | 9 | | - | | 9 | | - | - | - | **27** | **-** | **27** |
| Piggery Management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Rabbit Management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Disease Management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Feed management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production of quality animal products | **1** | 17 | - | | 17 | | 3 | | - | | 3 | | - | - | - | **20** | **-** | **20** |
| Others, if any Goat farming | **1** | 16 | - | | 16 | | 4 | | - | | 4 | | - | - | - | **20** | **-** | **20** |
| **V Home Science/Women empowerment** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 1 | - | 25 | | 25 | | - | | 5 | | 5 | | - | - | - | **-** | **30** | **30** |
| Design and development of low/minimum cost diet | 2 | - | 16 | | 16 | | - | | 4 | | 4 | | - | - | - |  | **20** | **20** |
| Designing and development for high nutrient efficiency diet | **1** |  | 35 | | 35 | |  | | 5 | | 5 | | - | - | - |  | **40** | **40** |
| Minimization of nutrient loss in processing |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Gender mainstreaming through SHGs | 1 |  | 25 | | 25 | |  | | 5 | | 5 | |  |  |  |  | **30** | **30** |
| Storage loss minimization techniques | **1** |  | 18 | | 18 | |  | | 9 | | 9 | | - | - | - | **-** | **27** | **27** |
| Value addition | **1** |  | 18 | | 18 | |  | | 9 | | 9 | | - | - | - |  | **27** | **27** |
| Income generation activities for empowerment of rural Women | **1** |  | 20 | | 20 | |  | | 5 | | 5 | | - | - | - |  | **25** | **25** |
| Location specific drudgery reduction technologies |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Rural Crafts | 2 | - | 32 | | 32 | | - | | 8 | | 8 | | - | - | - | **40** | **-** | **40** |
| Women and child care |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **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 |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Others, if any |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| **VII Plant Protection** |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Others, if any |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **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 |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Others, if any |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **IX Production of Inputs at site** |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Seed Production | **1** | 16 | |  | | 16 | | 4 | |  | | 4 |  |  |  | **20** |  | **20** |
| 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 |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Others, if any |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **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 |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Others, if any |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Production technologies |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Nursery management |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **XII Others (Pl. Specify)** |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **TOTAL** | **48** | **606** | | **189** | | **795** | | **155** | | **50** | | **205** | **0** | **0** | **0** | **801** | **199** | **1000** |
| **(B) RURAL YOUTH** |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Mushroom Production | 2 | 34 | | - | | 34 | | 6 | | - | | 6 | - | - | - | 40 | - | **40** |
| Bee-keeping | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Integrated farming | 1 | 18 | | - | | 18 | | 2 | | - | | 2 | - | - | - | 20 | - | **20** |
| Seed production | 2 | 32 | | - | | 32 | | 8 | | - | | 8 | - | - | - | 40 | - | **40** |
| Production of organic inputs | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  |  |  | **27** |  | **27** |
| Integrated Farming | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Planting material production |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Vermi-culture | 2 | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Sericulture |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Commercial fruit production |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  |  |  | **27** |  | **27** |
| Training and pruning of orchards | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  |  |  | **27** |  | **27** |
| Value addition |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Dairying | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  |  |  | **27** |  | **27** |
| Sheep and goat rearing | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Quail farming |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Piggery |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Rabbit farming |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Poultry production | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  |  |  | **27** |  | **27** |
| 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 | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Tailoring and Stitching |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Others, if any |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **TOTAL** | **20** | **349** | | **0** | | **349** | | **86** | | **0** | | **86** | **0** | **0** | **0** | **435** | **0** | **435** |
| **(C) Extension Personnel** |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Productivity enhancement in field crops | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Integrated Pest Management |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Integrated Nutrient management | **2** | 35 | | - | | 35 | | 5 | | - | | 5 | - | - | - | **40** | **-** | **40** |
| Rejuvenation of old orchards | **1** |  | | 18 | | 18 | |  | | 9 | | 9 | - | - | - | **-** | **27** | **27** |
| Protected cultivation technology |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Formation and Management of SHGs | **1** |  | | 18 | | 18 | |  | | 9 | | 9 | - | - | - | **-** | **27** | **27** |
| Group Dynamics and farmers organization |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Information networking among farmers |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Management in farm animals |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Livestock feed and fodder production | **1** |  | | 18 | | 18 | |  | | 9 | | 9 | - | - | - | **-** | **27** | **27** |
| Household food security | 1 | - | | 16 | | 16 | | - | | 11 | | 11 | - | - | - | - | 27 | **27** |
| Women and Child care |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing | 1 | - | | 12 | | 12 | | - | | 8 | | 8 | - | - | - | 25 | - | **25** |
| Production and use of organic inputs | **1** |  | | 18 | | 18 | |  | | 9 | | 9 | - | - | - | **-** | **27** | **27** |
| Gender mainstreaming through SHGs |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| Any other (Pl. Specify) |  |  | |  | |  | |  | |  | |  |  |  |  |  |  |  |
| **TOTAL** | **9** | **70** | | **82** | | **152** | | **10** | | **46** | | **56** | **0** | **0** | **0** | **105** | **108** | **213** |

* 1. **OFF Campus**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic Area | No. of Courses | | No. of Participants | | | | | | | | | | | | | | | Grand Total | | |
| **Other** | | | | | **SC** | | | | | | | **ST** | | |
|  | M | F | | T | | M | | F | | T | | | M | F | T | M | F | T |
| **(A) Farmers & Farm Women** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **I Crop Production** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Weed Management | 2 | | 34 | - | | 34 | | 6 | | - | | 6 | | | - | - | - | 40 | - | **40** |
| Resource Conservation Technologies | **2** | | 35 | - | | 35 | | 5 | | - | | 5 | | | - | - | - | **40** | **-** | **40** |
| Cropping Systems | 1 | | 18 | - | | 18 | | 2 | | - | | 2 | | | - | - | - | 20 | - | **20** |
| Crop Diversification | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Integrated Farming | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Water management | **2** | | 35 | - | | 35 | | 5 | | - | | 5 | | | - | - | - | **40** | **-** | **40** |
| Seed production |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Nursery management | 2 | | 35 | - | | 35 | | 5 | | - | | 5 | | | - | - | - | **40** | **-** | **40** |
| Integrated Crop Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Fodder production | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Production of organic inputs |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **II Horticulture** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **a) Vegetable Crops** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production of low volume and high value crops | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Off-season vegetables |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Nursery raising | **3** | | 167 | 11 | | 178 | | 19 | | 7 | | 26 | | | - | - | - | **186** | **18** | **204** |
| Exotic vegetables like Broccoli |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Export potential vegetables |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Grading and standardization |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Training and Pruning | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| **b) Fruits** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Layout and Management of Orchards | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Cultivation of Fruit |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Management of young plants/orchards | **3** | | 68 | 11 | | 79 | | 19 | | 10 | | 29 | | | - | - | - | **79** | **29** | **108** |
| Rejuvenation of old orchards |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Export potential fruits |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Micro irrigation systems of orchards | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Plant propagation techniques |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any | **3** | | 67 | 11 | | 78 | | 19 | | 7 | | 26 | | | - | - | - | **86** | **18** | **104** |
| **c) Ornamental Plants** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Nursery Management | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Management of potted plants |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Export potential of ornamental plants | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Propagation techniques of Ornamental Plants |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **d) Plantation crops** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production and Management technology |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Processing and value addition | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **e) Tuber crops** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production and Management technology | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Processing and value addition |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **f) Spices** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production and Management technology |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Processing and value addition |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Nursery management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production and management technology |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Post harvest technology and value addition | **2** | | 28 |  | | 28 | | 7 | |  | | 7 | | |  |  |  | **35** |  | **35** |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Soil fertility management | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Soil and Water Conservation |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Integrated Nutrient Management | 2 | | 32 | - | | 32 | | 8 | | - | | 8 | | | - | - | - | 40 | - | **40** |
| Production and use of organic inputs | **1** | | 18 |  | | 18 | | 9 | |  | | 9 | | |  |  |  | **27** |  | **27** |
| Management of Problematic soils | 4 | | 142 | - | | 142 | | 55 | | - | | 55 | | | - | - | - | **197** | **-** | **197** |
| Micro nutrient deficiency in crops |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Nutrient Use Efficiency |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Soil and Water Testing |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **IV Livestock Production and Management** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Dairy Management | 4 | | 120 | - | | 120 | | 25 | | - | | 25 | | | - | - | - | **145** | **-** | **145** |
| Poultry Management | 1 | | 18 | - | | 18 | | 2 | | - | | 2 | | | - | - | - | 20 | - | **20** |
| Piggery Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Rabbit Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Disease Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Feed management | 1 | | 18 | - | | 18 | | 2 | | - | | 2 | | | - | - | - | 20 | - | **20** |
| Production of quality animal products |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any Goat farming |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **V Home Science/Women empowerment** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 2 | | 10 | 20 | | 30 | | 5 | | 5 | | 10 | | | - | - | - | 15 | 25 | **40** |
| Design and development of low/minimum cost diet | 2 | | - | 42 | | 42 | | - | | 15 | | 15 | | | - | - | - | **57** | **-** | **57** |
| Designing and development for high nutrient efficiency diet |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Minimization of nutrient loss in processing | 3 | | 73 | 22 | | 95 | | 17 | | 20 | | 37 | | | - | - | - | **90** | **42** | **132** |
| Gender mainstreaming through SHGs |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Storage loss minimization techniques | 1 | | 53 | 13 | | 66 | | 16 | | 7 | | 23 | | | - | - | - | **69** | **20** | **89** |
| Value addition |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Rural Crafts | 2 | | - | 85 | | 85 | | - | | 27 | | 27 | | | - | - | - | **-** | **112** | **112** |
| Women and child care | 1 | |  | 16 | | 16 | | - | | 4 | | 4 | | | - | - | - | 20 | - | **20** |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **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 |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Others, if any |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| **VII Plant Protection** |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Integrated Pest Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Integrated Disease Management |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Bio-control of pests and diseases |  | |  |  | |  | |  | |  | |  | | |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Others, if any | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **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 | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Others, if any | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **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 | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Others, if any | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **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 | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Others, if any | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| XI Agro-forestry | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Production technologies | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Nursery management | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Integrated Farming Systems | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **XII Others (Pl. Specify)** | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **TOTAL** | | **63** | **1285** | | **231** | | **1516** | | **327** | | **102** | | **429** | **0** | | **0** | **0** | **1681** | **264** | **1945** |
| **(B) RURAL YOUTH** | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Mushroom Production | | 2 | 42 | | 8 | | 50 | | 6 | | - | | 6 | - | | - | - | 48 | 8 | **56** |
| Bee-keeping | | 1 | 18 | | - | | 18 | | 2 | | - | | 2 | - | | - | - | 20 | - | **20** |
| Integrated farming | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Seed production | | 2 | 46 | | 3 | | 49 | | 18 | | 2 | | 20 | - | | - | - | 64 | 5 | **69** |
| Production of organic inputs | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Integrated Farming | | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  | |  |  | **27** |  | **27** |
| Planting material production | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Vermi-culture | | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  | |  |  | **27** |  | **27** |
| Sericulture | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Protected cultivation of vegetable crops | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Commercial fruit production | | **2** | 20 | |  | | 20 | | 10 | |  | | 10 |  | |  |  | **30** |  | **30** |
| Repair and maintenance of farm machinery and implements | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Nursery Management of Horticulture crops | | **1** | 15 | | 4 | | 19 | | 4 | | 6 | | 10 |  | |  |  | **29** |  | **29** |
| Training and pruning of orchards | | **1** | 18 | |  | | 18 | | 9 | |  | | 9 |  | |  |  | **27** |  | **27** |
| Value addition | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Production of quality animal products | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Dairying | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Sheep and goat rearing | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Quail farming | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Piggery | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Rabbit farming | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Poultry production | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Ornamental fisheries | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Para vets | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Para extension workers | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Composite fish culture | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Freshwater prawn culture | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Shrimp farming | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Pearl culture | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Cold water fisheries | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Fish harvest and processing technology | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Fry and fingerling rearing | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Small scale processing | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Post Harvest Technology | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Tailoring and Stitching | | 3 | - | | 36 | | 36 | | - | | - | | 12 | 12 | | - | - | - | 48 | **48** |
| Rural Crafts | | 2 | - | | 62 | | 62 | | - | | - | | 22 | 22 | | - | - | - | 84 | **84** |
| Others, if any | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **TOTAL** | | **16** | **195** | | **113** | | **308** | | **67** | | **8** | | **109** | **34** | | **0** | **0** | **272** | **145** | **417** |
| **(C) Extension Personnel** | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Productivity enhancement in field crops | | 2 | 70 | | - | | 70 | | 15 | | - | | 15 | - | | - | - | 85 | - | **85** |
| Integrated Pest Management | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Integrated Nutrient management | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Rejuvenation of old orchards | | **1** | 15 | |  | | 15 | | 10 | |  | | 10 |  | |  |  | **25** |  | **25** |
| Protected cultivation technology | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Formation and Management of SHGs | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Group Dynamics and farmers organization | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Information networking among farmers | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Capacity building for ICT application | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Care and maintenance of farm machinery and implements | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| WTO and IPR issues | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Management in farm animals | | 1 | 18 | | - | | 18 | | 2 | | - | | 2 | - | | - | - | 20 | - | **20** |
| Livestock feed and fodder production | | 1 | 18 | | - | | 18 | | 2 | | - | | 2 | - | | - | - | 20 | - | **20** |
| Household food security | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Women and Child care | | 1 | - | | 30 | | 30 | | - | | 12 | | 12 | - | | - | - | - | 42 | **42** |
| Low cost and nutrient efficient diet designing | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Production and use of organic inputs | | 1 | 18 | | - | | 18 | | 2 | | - | | 2 | - | | - | - | 20 | - | **20** |
| Gender mainstreaming through SHGs | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| Any other (Pl. Specify) | |  |  | |  | |  | |  | |  | |  |  | |  |  |  |  |  |
| **TOTAL** | | **7** | **139** | | **30** | | **169** | | **31** | | **12** | | **43** | **0** | | **0** | **0** | **170** | **42** | **212** |

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic Area | No. of Courses | | No. of Participants | | | | | | | | | Grand Total | | |
| **Other** | | | **SC** | | | **ST** | | |
|  | M | F | T | M | F | T | M | F | T | M | F | T |
| **(A) Farmers & Farm Women** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **I Crop Production** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Weed Management | 3 | | 52 |  | 52 | 15 |  | 15 |  |  |  | 67 |  | 67 |
| Resource Conservation Technologies | 3 | | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Cropping Systems | 2 | | 34 |  | 34 | 6 |  | 6 |  |  |  | 40 |  | 40 |
| Crop Diversification | 3 | | 48 |  | 48 | 12 |  | 12 |  |  |  | 60 |  | 60 |
| Integrated Farming | 3 | | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Water management | 2 | | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Seed production | 1 | | 17 |  | 17 | 3 |  | 3 |  |  |  | 20 |  | 20 |
| Nursery management | 3 | | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Integrated Crop Management | 2 | | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Fodder production | 3 | | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Production of organic inputs |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **II Horticulture** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of low volume and high value crops | 4 | | 50 |  | 50 | 17 |  | 17 |  |  |  | 67 |  | 67 |
| Off-season vegetables | 1 | | 18 |  | 18 | 9 |  | 9 |  |  |  | 27 |  | 27 |
| Nursery raising | 5 | | 183 |  | 194 | 23 |  | 30 |  |  |  | 206 |  | 224 |
| Exotic vegetables like Broccoli | 1 | | 16 |  | 16 | 4 |  | 4 |  |  |  | 20 | 0 | 20 |
| Export potential vegetables |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) | 2 | | 17 |  | 17 | 3 |  | 3 |  |  |  | 20 |  | 20 |
| Others, if any (Cultivation of Vegetable) |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Training and Pruning | 3 | | 67 |  | 67 | 13 |  | 13 |  |  |  | 80 |  | 80 |
| **b) Fruits** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards | 2 | | 32 |  | 32 | 8 |  | 8 |  |  |  | 40 |  | 40 |
| Cultivation of Fruit | 2 | | 16 |  | 16 | 4 |  | 4 |  |  |  | 20 |  | 20 |
| Management of young plants/orchards | 4 | | 84 | 11 | 95 | 23 | 10 | 33 |  |  |  | 99 | 29 | 128 |
| Rejuvenation of old orchards |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards | 2 | | 32 |  | 32 | 8 |  | 8 |  |  |  | 40 |  | 40 |
| Plant propagation techniques |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | 3 | | 67 | 11 | 78 | 19 | 7 | 26 |  |  |  | 86 | 18 | 104 |
| **c) Ornamental Plants** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management | 3 | | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Management of potted plants | 1 | | 16 |  | 16 | 4 |  | 4 |  |  |  | 20 |  | 20 |
| Export potential of ornamental plants | 2 | | 32 |  | 32 | 8 |  | 8 |  |  |  | 40 |  | 40 |
| Propagation techniques of Ornamental Plants |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 1 | | 17 |  | 17 | 3 |  | 3 |  |  |  | 20 |  | 20 |
| Processing and value addition | 2 | | 36 |  | 36 | 18 |  | 18 |  |  |  | 54 |  | 54 |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **e) Tuber crops** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology | 3 | | 48 |  | 48 | 12 |  | 12 |  |  |  | 60 |  | 60 |
| Processing and value addition | 2 | | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and Management technology |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition | 2 | | 28 |  | 28 | 7 |  | 7 |  |  |  | 35 |  | 35 |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil fertility management | 2 | | 40 |  | 40 | 12 |  | 12 |  |  |  | 52 |  | 52 |
| Soil and Water Conservation |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management | 3 | | 50 |  | 50 | 10 |  | 10 |  |  |  | 60 |  | 60 |
| Production and use of organic inputs | 1 | | 18 |  | 18 | 9 |  | 9 |  |  |  | 27 |  | 27 |
| Management of Problematic soils | 4 | | 142 |  | 142 | 55 |  | 55 |  |  |  | 197 |  | 197 |
| Micro nutrient deficiency in crops |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **IV Livestock Production and Management** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairy Management | 5 | | 138 |  | 138 | 34 |  | 34 |  |  |  | 172 |  | 172 |
| Poultry Management | 2 | | 36 |  | 36 | 11 |  | 11 |  |  |  | 47 |  | 47 |
| Piggery Management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbit Management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Disease Management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Feed management | 1 | | 18 |  | 18 | 2 |  | 2 |  |  |  | 20 |  | 20 |
| Production of quality animal products | 1 | | 17 |  | 17 | 3 |  | 3 |  |  |  | 20 |  | 20 |
| Others, if any Goat farming | 1 | | 16 |  | 16 | 4 |  | 4 |  |  |  | 20 |  | 20 |
| **V Home Science/Women empowerment** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 3 | |  | 45 | 55 |  | 10 | 15 |  |  |  |  | 55 | 70 |
| Design and development of low/minimum cost diet | 4 | |  | 58 | 58 |  | 19 | 19 |  |  |  | 57 |  | 77 |
| Designing and development for high nutrient efficiency diet | 1 | |  | 35 | 35 |  | 5 | 5 |  |  |  |  | 40 | 40 |
| Minimization of nutrient loss in processing | 3 | | 73 | 22 | 95 | 17 | 20 | 37 |  |  |  | 90 | 42 | 132 |
| Gender mainstreaming through SHGs | 1 | | 0 | 25 | 25 | 0 | 5 | 5 |  |  |  |  | 30 | 30 |
| Storage loss minimization techniques | 2 | | 53 | 31 | 84 | 16 | 16 | 32 |  |  |  |  | 47 | 116 |
| Value addition | 1 | |  | 18 | 18 |  | 9 | 9 |  |  |  |  | 27 | 27 |
| Income generation activities for empowerment of rural Women | 1 | | 0 | 20 | 20 | 0 | 5 | 5 |  |  |  |  | 25 | 25 |
| Location specific drudgery reduction technologies |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts | 4 | |  | 117 | 117 |  | 35 | 35 |  |  |  |  |  | 152 |
| Women and child care | 1 | |  | 16 | 16 |  | 4 | 4 |  |  |  | 20 |  | 20 |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **VII Plant Protection** |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **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 | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others, if any | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| XI Agro-forestry | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production technologies | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **XII Others (Pl. Specify)** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | | **111** | **1891** | **420** | **2311** | **482** | **152** | **634** | **0** | **0** | **0** | **2482** | **463** | **2945** |
| **(B) RURAL YOUTH** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mushroom Production | | 4 | 76 |  | 84 | 12 |  | 12 |  |  |  | 88 |  | 96 |
| Bee-keeping | | 3 | 53 |  | 53 | 7 |  | 7 |  |  |  | 60 |  | 60 |
| Integrated farming | | 1 | 18 |  | 18 | 2 |  | 2 |  |  |  | 20 |  | 20 |
| Seed production | | 4 | 78 |  | 81 | 26 |  | 28 |  |  |  | 104 |  | 109 |
| Production of organic inputs | | 1 | 18 |  | 18 | 9 |  | 9 |  |  |  | 27 |  | 27 |
| Integrated Farming | | 3 | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Planting material production | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture | | 3 | 53 |  | 53 | 14 |  | 14 |  |  |  | 67 |  | 67 |
| Sericulture | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production | | 2 | 20 |  | 20 | 10 |  | 10 |  |  |  | 30 |  | 30 |
| Repair and maintenance of farm machinery and implements | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops | | 2 | 33 | 4 | 37 | 13 | 6 | 19 |  |  |  | 56 |  | 56 |
| Training and pruning of orchards | | 2 | 36 |  | 36 | 18 |  | 18 |  |  |  | 54 |  | 54 |
| Value addition | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairying | | 1 | 18 |  | 18 | 9 |  | 9 |  |  |  | 27 |  | 27 |
| Sheep and goat rearing | | 2 | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Quail farming | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry production | | 1 | 18 | 0 | 18 | 9 |  | 9 |  |  |  | 27 |  | 27 |
| 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 | | 2 | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Tailoring and Stitching | | 3 |  | 36 | 36 |  |  | 12 | 12 |  |  |  | 48 | 48 |
| Rural Crafts | | 2 |  | 62 | 62 |  |  | 22 | 22 |  |  |  | 84 | 84 |
| Others, if any | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | | **36** | **544** | **113** | **657** | **153** | **8** | **195** | **34** |  |  | **707** | **145** | **852** |
| **(C) Extension Personnel** | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Productivity enhancement in field crops | | 4 | 105 |  | 105 | 20 |  | 20 |  |  |  | 125 |  | 125 |
| Integrated Pest Management | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management | | 2 | 35 |  | 35 | 5 |  | 5 |  |  |  | 40 |  | 40 |
| Rejuvenation of old orchards | | 2 | 15 | 18 | 33 | 10 | 9 | 19 |  |  |  |  | 27 | 52 |
| Protected cultivation technology | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs | | 1 |  | 18 | 18 | 0 | 9 | 9 |  |  |  |  | 27 | 27 |
| Group Dynamics and farmers organization | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals | | 1 | 18 |  | 18 | 2 |  | 2 |  |  |  | 20 |  | 20 |
| Livestock feed and fodder production | | 2 | 18 |  | 36 | 2 |  | 11 |  |  |  |  |  | 47 |
| Household food security | | 1 |  | 16 | 16 |  | 11 | 11 |  |  |  |  | 27 | 27 |
| Women and Child care | | 1 |  | 30 | 30 |  | 12 | 12 |  |  |  |  | 42 | 42 |
| Low cost and nutrient efficient diet designing | | 1 |  | 12 | 12 |  | 8 | 8 |  |  |  | 25 |  | 25 |
| Production and use of organic inputs | | 1 | 18 |  | 18 | 2 |  | 2 |  |  |  | 20 |  | 20 |
| Gender mainstreaming through SHGs | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Any other (Pl. Specify) | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | | **16** | **209** | **112** | **321** | **41** | **58** | **99** |  |  |  | **275** | **150** | **425** |

## Please furnish the details of training programmes as Annexure in the Performa given below

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Date** | **Clientele** | **Title of the training programme** | **Duration in days** | **Venue (Off / On Campus)** | **Number of participants** | | | **Number of SC/ST** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
|  | Soil fertility management | Green manuring | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Value addition | Processing of potato | 5 |  | 20 | 5 | 25 |  |  |  |
|  | Design & development of low cost food | Preparation of low cost nutritional products | 2 |  | 30 | 20 | 50 |  |  |  |
|  | Seed production | Seed production of dhaincha (*Sesbania* *aculiata*) | 2 |  | 20 | 5 | 25 |  |  |  |
|  | Dairy management | Selection of milch animals and important buffalo | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Storage loss minimization techniques | Storage loss minimization techniques | 2 |  | 35 | 15 | 50 |  |  |  |
|  | Resource Conservation Technologies | System of rice intensification | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Entrepreneurship development | Layout and management of orchard | 5 |  | 20 | 5 | 25 |  |  |  |
|  | Dairy Management | Management of dairy animals in summer season | 2 |  | 20 | 5 | 25 |  |  |  |
|  | Household food security | Kitchen gardening and management | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Soil fertility management | Brown manuring | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Orchard management | Propagation of fruit crop | 3 |  | 20 | 5 | 25 |  |  |  |
|  | Value addition | Processing of raw mango | 5 |  | 20 | 5 | 25 |  |  |  |
|  | Household food securety | Backyard nutrition gardening | 1 |  | 35 | 15 | 50 |  |  |  |
|  | Orchard managment | Rejuvenation of old and new orchards and maintenance | 2 |  | 35 | 15 | 50 |  |  |  |
|  | Minimization of nutrient loss | Minimization of nutrient loss in processing | 1 |  | 30 | 20 | 50 |  |  |  |

## (D) Vocational training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Identified Thrust Area** | **Training title\*** | **Duration (days)** | **No. of Participants** | | | **Self employed after training** | | | **Number of persons employed else where** |
| **Male** | **Female** | **Total** | **Type of units** | **Number of units** | **Number of persons employed** |  |
|  | Entrepreneurship development | Tie and Dye | 5 | 20 | 5 | 25 |  |  |  |  |
|  | Seed production | Seed production of rice | 2 | 20 | 5 | 25 |  |  |  |  |
|  | Seed production | Seed production of pigeonpea | 2 | 20 | 5 | 25 |  |  |  |  |
|  | Management of live stock economics | Importance of A.I (Artificial Insemination) | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Production losses due to weed | Identification of Kharif weeds and their management | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Training and pruning of orchards | 5 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Hand embroidery | 15 | 15 | 10 | 25 |  |  |  |  |
|  | Integrated farming | Integrated farming system | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Nursery bed preparation and techniques and nursery raising | 5 | 20 | 5 | 25 |  |  |  |  |
|  | Seed production | Seed production of Potato | 2 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Processing of ripe mango | 6 | 20 | 5 | 25 |  |  |  |  |
|  | Seed production | Seed production of gram, Lentil and Pea. | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Feed management | Low cost feed preparation in animals | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Seed production | Seed production of wheat | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Mushroom production and management. | 7 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Processing of fruit and vegetables | 3 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Development of IFS model | 5 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Backyard poultry farming | 5 | 20 | 5 | 25 |  |  |  |  |
|  | Entrepreneurship development | Bee Keeping | 7 | 20 | 5 | 25 |  |  |  |  |

\*training title should specify the major technology /skill transferred

**(E) Sponsored Training Programmes**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No** | **Title** | **Thematic area** | **Month** | **Duration (days)** | **Client** | **No. of courses** | No. of Participants | | | | | | | | | | **Sponsoring Agency** |
| **PF/RY/EF** | Male | | | Female | | | Total | | | |
|  | Others | SC | ST | Others | SC | ST | Others | SC | ST | Total |  |
|  | Training on goat farming | Goatry management | June 2012 | 7 | PF |  |  | 15 |  |  |  |  | 10 |  |  | 25 |  |
|  | Vaccination schedule in Cattle | Health management | December2013 | 2 | PF |  |  | 5 |  |  |  |  | 15 |  |  | 20 |  |
|  | Khrif mahotsav 2012 | Integreted crop production | May | 7 | PF | 14 |  | 200 |  |  |  |  | 500 |  |  | 700 | ATMA |
|  | Rabi mahotsav 2012 | Integreted crop production | September | 7 | PF | 14 |  | 100 |  |  |  |  | 700 |  |  | 800 | ATMA |

**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 | 18 | 297 | 61 | 358 | 4 | - | 4 | 301 | 61 | 362 |
| Kisan Mela | 2 | 200 | 30 | 230 | 30 | 5 | 35 | 230 | 35 | 265 |
| Kisan Ghosthi | 20 | 1200 | 50 | 1250 |  |  |  | 1200 | 50 | 1250 |
| Exhibition |  |  |  |  |  |  |  |  |  |  |
| Film Show |  |  |  |  |  |  |  |  |  |  |
| Method Demonstrations | 15 | 140 |  | 140 |  |  |  |  |  | 140 |
| Farmers Seminar |  |  |  |  |  |  |  |  |  |  |
| Workshop | 2 | 20 | - | 20 |  |  |  | 20 | - | 20 |
| Group meetings |  |  |  |  |  |  |  |  |  |  |
| Lectures delivered as resource persons | 20 |  |  |  |  |  |  |  |  | 20 |
| Newspaper coverage | 50 |  |  |  |  |  |  |  |  | 50 |
| Radio talks |  |  |  |  |  |  |  |  |  |  |
| TV talks | 5 |  |  |  |  |  |  |  |  | 5 |
| Popular articles |  |  |  |  |  |  |  |  |  |  |
| Extension Literature |  |  |  |  |  |  |  |  |  |  |
| Advisory Services | 645 |  |  |  |  |  |  |  |  | 645 |
| Scientific visit to farmers field | 255 |  |  |  |  |  |  |  |  | 255 |
| Farmers visit to KVK | 1500 |  |  |  |  |  |  |  |  | 1500 |
| Diagnostic visits | 200 |  |  |  |  |  |  |  |  | 200 |
| Exposure visits | 5 |  |  |  |  |  |  |  |  | 5 |
| Ex-trainees Sammelan |  |  |  |  |  |  |  |  |  |  |
| Soil health Camp |  |  |  |  |  |  |  |  |  |  |
| Animal Health Camp | **2** |  |  |  |  |  |  |  |  | **2** |
| Agri mobile clinic |  |  |  |  |  |  |  |  |  |  |
| Soil test campaigns |  |  |  |  |  |  |  |  |  |  |
| Farm Science Club Conveners meet |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings |  |  |  |  |  |  |  |  |  |  |
| Mahila Mandals Conveners meetings | **2** |  | **50** | **50** |  |  |  |  |  | **2/50** |
| Celebration of important days (specify) | **5** |  |  |  |  |  |  |  |  | **5** |
| Any Other (Specify) |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |

**3.5 Production and supply of Technological products**

**Village seed**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | **variety** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers provided** |
| Cereals |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Oilseeds |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Pulses |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Commercial crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Vegetables |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Flower crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Spices |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fiber crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Forest Species |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Others |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  |  |  |

# KVK farm

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | **variety** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of farmers provided** |
| Cereals |  |  |  |  |
| Paddy | MTU 7029 | 150.00 | - | - |
| Rajendra Mansuri-1 | 175.00 | - | - |
| Usar No.3 | 25.00 | - | - |
| Sahbhagi | 50.00 | - | - |
| Oilseeds |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Pulses |  |  |  |  |
| Gram | BG-185 | 8.00 | - | - |
| Lentil | Arun | 18.00 | - | - |
| Vaibhav | 4.50 | - | - |
| Shivalik | 5.50 | - | - |
| Commercial crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Vegetables |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Flower crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Spices |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fodder crop seeds |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fiber crops |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Forest Species |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Others |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  |  |  |

# Production of planting materials by the KVKs

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop | **variety** | **Quantity of seed**  **(q)** | **Value**  **(Rs)** | **Number of**  **farmers provided** |
| Commercial |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Vegetable seedlings |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fruits |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Ornamental plants |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Plantation |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Spices |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Tuber | Potato |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Forest Species |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| Others |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |
| **Total** |  |  |  |  |

**Production of Bio-Products**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Bio Products** | **Name of the bio-product** | **Quantity** | **Value (Rs.)** | **No. of Farmers** | **No. of KVKs** |
| **Kg** |
| Bio Fertilisers |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Bio-pesticide |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Bio-fungicide |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Bio Agents |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
| Others |  |  |  |  |  |
|  |  |  |  |  |  |
| **Total** |  |  |  |  |  |

# Production of livestock materials

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Particulars of Live stock | **Name of the breed** | **Number** | **Value (Rs.)** | **No. of Farmers** | **No. of KVKs** |
| **Dairy animals** |  |  |  |  |  |
| Cows |  |  |  |  |  |
| Buffaloes |  |  |  |  |  |
| Calves |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |
| **Poultry** |  |  |  |  |  |
| Broilers |  |  |  |  |  |
| Layers |  |  |  |  |  |
| Duals (broiler and layer) |  |  |  |  |  |
| Japanese Quail |  |  |  |  |  |
| Turkey |  |  |  |  |  |
| Emu |  |  |  |  |  |
| Ducks |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |
| **Piggery** |  |  |  |  |  |
| Piglet |  |  |  |  |  |
| Others (Pl.specify) |  |  |  |  |  |
| **Fisheries** |  |  |  |  |  |
| Indian carp |  |  |  |  |  |
| Exotic carp |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |
| **Total** |  |  |  |  |  |

**3.6. Literature Developed/Published (with full title, author & reference)**

1. KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.)

Krishak Samachar October 2012- December 2012 and January 2013- March 2013, 2000 copy distributed.

**(B) Literature developed/published**

|  |  |  |  |
| --- | --- | --- | --- |
| **Item** | **Title** | **Authors name** | **Number** |
| Research papers | 1. Effect of nitrogen and sulphur levels on yield, economics and quality of QPM hybrids under Dryland condition of Eastern Utter Pradesh, India 2. Production potential and economics of quality protein maize (*Zea mays* L.) hybrids, as affected by nitrogen and sulphur levels under dryland condition 3. Response of nitrogen and sulphur levels on productivity and profitability of QPM hybrids (*Zea mays* L.) under dryland condition. | Sabha Jeet, J.P. Singh, R. Kumar, R.K.Prasad, P. Kumar, A. Kumari and P.Prakash.  Sabha Jeet, J. P. Singh and Rakesh Kumar  Sabha Jeet, J. P. Singh and R. Kumar | Jaournal of Agricultural Science; (**Canada**) Vol. 4,No. 9; 2012.  Accepted in 2013, Indian Journal of Agricultural Sciences.  Accepted in 2013, Indian Journal of Agricultural Sciences. |
| Technical reports |  |  |  |
| News letters | Krishak Samachar | K.V.K., Lakhisarai | October 2012- December 2012 and January 2013- March 2013 |
| Technical bulletins |  |  |  |
| Popular articles |  |  |  |
| Extension literature |  |  |  |
| Others (Pl. specify) |  |  |  |
| **TOTAL** |  |  |  |

N.B. Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

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

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

**(D) Details of HRD programmes undergone:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Name of programme** | **Date and Duration** | **Organized by** |
|  |  |  |  |

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

**lQyrk dh dgkuh**

Jherh % ehuk nsoh

Ifr % ghjk egrks

Xkzke % /khjk

Ikz[k.M % gylh

ftyk % y[khljk;

Jherh ehuk nsoh] xzke /khjk iks0 gylh] ftyk] y[khljk; dh ,d ftKklq efgyk gSA ehuk nsoh vke efgykvksa dh rjg x`g dk dk;Z djrh Fkh A buds ?kj dk [kpZ [ksrh ij fuHkZj Fkk] tks buds ifr Lo;a djrs Fks A [ksrh ij vkfJr jgdj ?kj pykuk dfBu gks jgk Fkk A ehuk nsoh ftKklq efgyk gS A blfy, xkao esa gksus okys izR;sd dk;ZØe dk voyksdu djrs jgrh Fkh A ,d fnu d`f"k foKku dsUnz] gylh] y[khljk; }kjk ’kfuokj dks fdlku pkSiky esa mifLFkr ehuk nsoh us [ksrh ls lEcaf/kr vkSj efgyk fodkl ls lEcaf/kr lkjh tkudkjh gkfly dhA mlh fnu ehuk nsoh us Jh fof/k ¼/kku dh l?ku iz.kkyh½ ls /kku dh [ksrh djus dks Bkuh vkSj mlds ykHk dk voyksdu djus dks lksph A ehuk nsoh us Jh fof/k ls vius nks ,dM+ tehu esa /kku dh [ksrh dh] ftlesa /kku dh mRiknu 72 fDoaVy gqvk] tcdh buds ifr ikjaifjd fof/k ls nks ,dM+ esa ek= 32 fDoaVy izkIr djrs Fks A Jh fof/k ls mRiknu dh c<+ksÙkjh ns[k] buds ifr us ehuk nsoh ds lq>ko dks [kqc ljkgk A vc ehuk nsoh Qwys ugh lekfr A tSls buds ftKk’kk dks u;s ia[k yx x;s gksa A ehuk nsoh flQZ vius fy, gh ugh xkao ,oa lekt ds fy, Hkh dqN dj xqtjus dh reUuk j[krh gS A blhfy, bUgksus xkao dh lHkh efgykvksa dks tkx:d djus dk dk;Z djus yxh A xkao dh lHkh efgykvksa dks Jh fof/k ls [ksrh djus dks izksRlkfgr dh A lkFk gh tc [ksrh dk dk;Z lekIr gks tkrk rks [kkyh le; esa d`f"k foKku dsUnz] }kjk efgyk vkSj d`"kd dk fodkl dSls gks] budh tkudkjh murd nsrh gSA ehuk nsoh us ,d efgykvksa dk lewg cuk;ha vkSj efgykvksa dks x`g dk;Z ds ckn cPks le; esa cM+h cukus] VekVj dSpi cukus] flykbZ vkSj dlhnk djus ds fy, izksRlkfgr djrh gSA bl izdkj mUgksusa xkWao dh efgykvksa esa mRlkgo)Zu dk dk;Z djrh gS vkSj vkt ehuk nsoh vkfFkZd lEiUurk ds lkFk&lkFk lekftd izfr"Bk Hkh ik jgha gSA

**^^lQyrk dh dgkuh\*\***

uke % Jh /kuat; dqekj

Xkzke % /khjk

Ikz[k.M% gylh

ftyk % y[khljk;

Jh /kuat; dqekj] xzke& /khjk] iks0 & gylh] ftyk y[khljk; ds ,d izxfr’khy ;qok fdlku gSA Jh /kuat; dqekj ,d mPp egRokdka{kh ;qod g]S tks i<+kbZ djrs le; ges’kk esfMdy {ks= esa tkuk pkgrk Fkk] ijUrq ikfjokfjd vk; mruh vPNh ugh Fkh fd oks vkxs i<+kbZ tkjh j[k ikrkA blfy, izFke Js.kh ls vkbZ0,l0bZ0 ikl djus ds ckctwn mldh bZPNk v/kqjh jg xbZA ysfdu tTck gks vxj] rks mudks dkSu fiNkM++ ldrk gS A vius dqlkxz cfq) ds lgkjs dqN dj xqtjus dks Bku fy;kA loZizFke viuh vkfFkZd lEiurk ds lkFk viuk vjeku latks;s gq, nks o"kZ uflaZx gkse esa dEikm.Mj ds :i esa dke fd;k A ij fnyh bPNk Fkh Lo=ar dqN djus dk oks d`f"k foKku dsUnz] gylh vk;k vkSj viuh ckrs j[kh A mUgksus Ik’kqqikyu vkSj d`f"k esa dqN vPNk djus dks Bku fy;kA blds fy, mUgksaus i'kqikyu vkSj d`f"k ls lacaf/kr izf’k{k.k izkIr fd;kA izf'k{k.k izkIr dj ,d lQy d`f=e xHkkZ/kku dk dke dus yxsa blds lkFk&lkFk i'kqikyu vkSj d`f"k ls lacaf/kr tkudkjh ns dj xkao esa crkus yxsa fd ifjokj dk vkfFkZd fLFkfr lq/kkjk tk ldrk gS A ;fn geyksx ,d leqg esa dk;Z djs rksA /kuat; dqekj us ,d leqg cuk;sa ftldk uke j[kk ^vknZ'k d`f"k fgrdkjh leqg\*] ftlds oks [kqn lfpo Hkh gS A vkt oehZdEiksLV dk ;wuhV vius xkao esa yxok;saA xkao okys dks i'kqikyu ;k d`f"k ls lacaaaf/kr tks Hkh ijs'kkfu;Wk gksrh gS rks os /kuat; dqekj dks ;kn drs gSA bl izdkj gj i'kqikyd vkSj d`"kd ds tqcak ij /kuat; dqekj dk uke jgrk gS A ftls lqu /kuat; dqekj izQqfYkr gks tkrs gS A

**3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year**

**RCTs (**Resource conservation technologies) Resource conservation technologies *viz.,* Zero- tillage, SRI method of rice and wheat transplanting.

**RCTs –** The acreage under wheat cultivation in the district is to the tune of 19536 ha. The KVK has succeeded in achieving the resources conservation technology in the district and cultivating the wheat by zero Tillage Machine in about 414.9 ha in 2006 followed by system of wheat intensification. Further area expansion under this technology is expected in 1000 ha in 2012-13 because the farmers are highly influenced seeing the result of this technologies.

**SRI:** The Lakhisarai Distict has an area under paddy cultivation in 35000 ha. With the continuous effort of KVK in bringing the technology of system of rice intensification (SRI) through training, assessment and refinement thereafter front line demonstration among a large number of farmers, a group of farmers sowing their crops in more than 2000 ha presently and it is expected that the area will be increased to 10,000 ha in the coming season 2012-2013 because the farmers highly influenced seeing this technology.

3.9 Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

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

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

- Identification of courses for farmers/farm women

- Rural Youth

- In-service personnel

**3.11 Field activities**

i. Number of villages adopted- 10

ii. No. of farm families selected- 30

iii. No. of survey/PRA conducted- 5

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

Status of establishment of Lab :

1. Year of establishment :

2. List of equipments purchased with amount :

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. | Cost |
| 1 |  |  |  |
| 2 |  |  |  |
| 3 |  |  |  |
| Total | |  |  |

1. Details of samples analyzed so far:

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples | No. of Farmers | No. of Villages | Amount realized |
| Soil Samples |  |  |  |  |
| Water Samples |  |  |  |  |
| Total |  |  |  |  |

**3.13 Activities of rain water harvesting structure and micro irrigation system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No of training programme** | **No of demonstrations** | **No of plant material produced** | **Visit by the farmers** | **Visit by the officials** |
| Sprinkler Irrigation | 2 |  | 100 | 5 |

**3.14 Technology week celebration**

|  |  |  |  |
| --- | --- | --- | --- |
| **Type of activities** | **No. of activities** | **Number of participants** | **Related crop/livestock technology** |
| **Training** |  |  |  |
| 11-02013 | Crop Production | 295 | Rabi crop production, vermicomposting, zero tillage, system of wheat and rice intensification, Precision farming, IFS etc. |
| 12-02013 | Horticulture | 280 | Nursery management, vegitable cultivation, protected cultivation etc. |
| 13-02013 | Animal Science | 295 | Green fodder production, important of A.I., Vaccination schedule, goat farming, prevention of common diseases etc. |
| 14-02013 | Women Empowerment | 303 | Balance food formulation, diet management, nutrition and kitchen gardening, weaning food formulation etc. |
| 15-02013 | Entrepreneurship development | 245 | Bee keeping, mushroom production, protected cultivation, value addition, vermicomposting etc. |
|  |  |  |  |
| **Demonstration** |  |  | Zero tillage, Value addition, Nursery management, Animal health camp, A.I. technique, Tie and dye etc. |
| **Field visit** |  |  | Seed production of Chickpea, wheat, Lentil, Potato etc. |

**3.15 RAWE programme**

**Is KVK is involved?**

|  |  |
| --- | --- |
| **No of student/ARS trained** | **No of days stayed** |
| **06** | **01** |
|  |  |

**3.16 NICRA Project**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Programme implemented** | **No of village covered** | **No of beneficiary covered** | **Amount of fund received** | **Amount of fund utilized** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**3.17. List of visitors including the officials of ZPD and DEE**

|  |  |  |
| --- | --- | --- |
| **Date** | **Name of the person** | **Purpose of visit** |
| **06-11-2012** | Dr. R.K. Sohane (DEE, BAU Sabour) | Visit of KVK |
| Dr. R.P. Sharma (Chairman, Agronomy) | Visit of KVK |
| **08-01-13** | Dr. M. L. Choudhary (V.C. BAU, Sabour) | Visit of KVK |
| Dr. R.K. Sohane (DEE, BAU Sabour) | Visit of KVK |
| **22.01-2013** | Dr. K.K. Singh (Seed Director, B.A.U.) | Inspection of Seed production programme. |
| **6-02-12** | Dr. Mahendra Singh (Asstt. Professor, Soil Science) | To collect soil sample of KVK |
| **13-02-2013** | Dr. U. S. Jaiswal (ADEE) | Technology week |
| Dr. Ghanshyam (Asstt. Professor) | Technology week |
| Dr. Rajesh Kumar (Asstt. Professor) | Technology week |
| Dr. S.N. Rai (Chairman, Entomology, BAU) | Technology week |

**4.0 IMPACT**

* 1. **Impact of KVK activities (Not to be restricted for reporting period).**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology/skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs./Unit)** | **After (Rs./Unit)** |
| Zero-tillage | 100 | 20 |  |  |
| Vermicomposting | 125 | 15 |  |  |
| Organic farming | 50 | 25 |  |  |
| Single seedling in Paddy | 300 | 80 |  |  |
| Preservation of fruit and vegetables | 50 | 35 |  |  |
| Organic vegetable production | 50 | 15 |  |  |
| Use of weedicide, insecticide and organic measure | 100 | 45 |  |  |

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

**4.2. Cases of large scale adoption-** Zero- tillage technology for wheat

**(Please furnish detailed information for each case)**

**Success Stories:-**

1. **Single Seedling :**

**Effects of the Single Seedling Transplanting System of Paddy on Yield**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Parameters** | | **Data-base** |
| 1 | Total Geographical Area | | 128142.83 ha. |
| 2. | Total cultivable land | | 80115.32 ha. |
| 3 | Total area under paddy cultivation approx | | 24775.00 ha. |
| 4 | Single seedling transplanting that => 87 % of the total area under paddy cultivation | | 20075.00 ha |
| 5 | Previously seed rate (paddy cultivation) | | 60 kg/ha |
| 6 | Single seedling transplanting seed rate | | 8 kg/ha |
| 7 | Saving in seed rate | | 52 kg/ha |
| 8 | Saving in seed cost @ 25 Rs/kg | | 1300 Rs./ha |
| 9 | Saving in seed rate (district) | | 12883.00 tonnes seed |
| 10 | Cost of 12883.00 tones seed | | Rs. 32207500.00 |
| 11 | Percent increase in yield | | 50% |
| **Yield data** | **Previous** | **Present** | **percent increase in Yield** |  |
| Seed rate | 60 kg/ha | 8 kg /ha | - |  |
| yield | 40 q/ha | 50 q/ha | **50 %** |  |
| District Average @ 20075.00 ha | 80,3000 Q | 1204500.00 Q | **401500.00 Q** |  |

**(B) Wheat cultivation by zero – Tillage – Technology**

Introduction of Zero-tillage machine brought drastic changes among wheat growing farmers due to increased wheat yield (12-15 days earlier seeding ) and saving money approx worth Rs. 2800.00/ha (Rs. 1800.00/ha in field preparation and Rs. 1000.00 in seed) .

Saving per ha (Rs) = 2800.00

1000 ha => 2800 x 1000 = Rs. 2800000.00

**Area expansion under ZTT**

|  |  |  |  |
| --- | --- | --- | --- |
| **Year** | **Area (ha)** | **% of cultivable area** | **Actual Area (ha)** |
| 2009 | 19536 | 3.4 | 450.00 |
| 2010 | 20000 | 3.6 | 600.00 |
| 2011 | 20600 | 4.0 | 700.00 |
| 2012 | 24775 | 4.6 | >1000 |

**4.3 Details of impact analysis of KVK activities carried out during the reporting period**

**4.5 Details of innovations recorded by the KVK**

**4.6 Details of entrepreneurship development by the KVK**

* 1. **Any other initiative taken by the KVK**

1. **Kisan choupal:**

By the order of the Hon’ble Vice- Chancellor of Bihar Agricultural Univarsity, sabour, KVK, Lakhisarai organizing Kisan choupal at every Saturday from April, 2012. In Kisan choupal, interaction between the villagers and the scientist of the KVK related to different crops, Horticultural Crops, Mushroom production, soil testing, fertilizer and bio-fertilizer and poultry , goatery and other need based problems of villagers.

1. **Vegetable processing unit:**

A Vegetable processing unit is in the process of being established at KVK lakhisarai with an investment of 4.00 lakh that has been release by ICAR in the Financial year 2011-12 with a view to impart latest processing technique to the rural youth and farm women in the district in order to make them income oriented in seasonal fruits and vegetables

1. **Mushroom seed production unit:**

A mushroom seed unit is in the in the process of being established at KVK lakhisarai with an investment of 4.84 lakh that has been release by ICAR in the Financial year 2011-12 with a view to impart latest cultivation technique to the rural youth and farm women in the district in order to make them income oriented in mushroom / spawn production.

1. **Kisan Vikash Utsav:**

ATMA, Lakhisarai organized Kisan Vikash Utsav at block level, where in thwe scientist of KVK, lakhisarai participated and imparted training in seven block s of the district covering a total of 350 farmers and farm womens.

**4.8 Area not covered by the above or constraints or new proposal for XII plan**

**5.0 LINKAGES**

**5.1 Functional linkage with different organizations**

|  |  |
| --- | --- |
| **Name of organization** | **Nature of linkage** |
| 1. D.A.O. Lakhisarai | For conducting training and diagnostic visit |
| 2. ATMA Lakhsarai | Training and joint survey demonstration |
| 3. Panchyat samit | For conducting training diagnostic visit of field |
| 4. All NGOs of Lahisarai | Training and project information |
| 5. National Horticulture mission Lakhisarai | Training and demonstration |
| 6. Dalahan Vikas Board, Barahiya | Training of farmer’s |
| 7. D.D.O Lakhisarai | Training of farmer’s |

NB The nature of linkage should be indicated in terms of joint diagnostic survey, joint implementation, participation in meeting, contribution received for infrastructural development, conducting training programmes and demonstration or any other

* 1. **List special programmes undertaken by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NHM/NFDB/Other Agencies**

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

1. **PERFORMANCE OF INFRASTRUCTURE IN KVK**

**6.1 Performance of demonstration units (other than instructional farm) Not started**

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

**6.2 Performance of instructional farm (Crops)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name  Of the crop | Date of sowing | | Date of harvest | Area (ha) | | Details of production | | | | | | Amount (Rs.) | | | | Remarks |
|  |  | | Variety | Type of Produce | | Qty  (Q). | | | Cost of inputs | | Gross income | |
| Cereals |  | |  |  | |  |  | |  | | |  | |  | |  |
| **Paddy** |  | |  |  | |  | Seed | |  | | |  | |  | |  |
| 20-7-12 | | 6-11-12 | 4 | | MTU-7029 |  | | 150 | | |  | |  | |  |
| 25-7-12 | | 15-11-12 | 4 | | R.M-1 |  | | 175 | | |  | |  | |  |
| 30-7-12 | | 18-11-12 | 0.5 | | Usar |  | | 25 | | |  | |  | |  |
| 5-8-12 | | 25-11-12 | 1.5 | | Sahbhagi |  | | 50 | | |  | |  | |  |
| **Wheat** | 25-12-12 | | -- | 7 | | HI-1563 | Seed | | -- | | |  | |  | |  |
| Pulses |  | |  |  | |  | Seed | |  | | |  | |  | |  |
| **Gram** | 28-11-12 | | 15-03-13 | 1 | | BG-185 |  | | 8.0 | | |  | |  | |  |
| **Lentil** | 29-11-12 | | 17-3-13 | 2 | | Arun | Seed | | 18.0 | | |  | |  | |  |
| 02-12-12 | | 19-3-13 | 0.5 | | Vaibhav |  | | 4.5 | | |  | |  | |  |
| 05-12-12 | | 25-3-13 | 0.5 | | Shivalik |  | | 5.5 | | |  | |  | |  |
|  | |  |  | |  |  | |  | | |  | |  | |  |
| Fibers |  | |  |  | |  |  | |  | | |  | |  | |  |
| Oilseeds |  | |  |  | |  |  | |  | | |  | |  | |  |
| Spices & Plantation crops | | | | | | | | | | | | | | | | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |
| Floriculture | |  |  | |  |  | |  | |  |  | |  | |  | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |
| Fruits | |  |  | |  |  | |  | |  |  | |  | |  | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |
| Vegetables | |  |  | |  |  | |  | |  |  | |  | |  | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |
| Others (specify) | | | | | | | | | | | | | | | | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |
|  | |  |  | |  |  | |  | |  |  | |  | |  | |

* 1. **Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)**

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

* 1. **Performance of instructional farm (livestock and fisheries production)**

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

**6.5 Utilization of hostel facilities**

Accommodation available (No. of beds)

|  |  |  |  |
| --- | --- | --- | --- |
| **Months** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

(For whole of the year)

* 1. **Utilization of staff quarters**

**Whether staff quarters has been completed:**

**No. of staff quarters:**

**Date of completion:**

**Occupancy details:**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Months** | **Q I** | **QII** | **Q III** | **QIV** | **Q V** | **QVI** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

**7. FINANCIAL PERFORMANCE**

**7.1 Details of KVK Bank accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bank account** | **Name of the bank** | **Location** | **Account Number** |
| With Host Institute |  |  |  |
| With KVK | SBI | Halsi (G)  (Rev) | 11809608226  30667962944 |

* 1. **Utilization of funds under FLD on Oilseed *(Rs. In Lakhs)/* & pulses other than oilseed & pulses.**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1st April 2013** |
| **Kharif**  **2012** | **Rabi**  **2012 -13** | **Kharif**  **2012** | **Rabi**  **2011-12** |
| Inputs |  |  |  | 42000 |  |
| Extension activities |  |  |  |  | NIL |
| TA/DA/POL etc. |  |  |  | 8000 |  |
| TOTAL | 50000 | 50000 |  | 50000 |  |

**7.3 Utilization of funds under FLD on Pulses *(Rs. In Lakhs)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1st April 2013** |
| **Kharif** | **Rabi** | **Kharif** | **Rabi** |
| Inputs |  |  |  | 31000 | NIL |
| Extension activities |  |  |  | 7000 |
| TA/DA/POL etc. |  |  |  | 12000 |
| TOTAL |  | 50000 |  | 50000 |

**7.4 Utilization of funds under FLD on Cotton *(Rs. In Lakh)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | **Released by ICAR** | | **Expenditure** | | **Unspent balance as on 1st April 2013** |
| **Kharif** | **Rabi** | **Kharif** | **Rabi** |
| Inputs |  |  |  |  |  |
| Extension activities |  |  |  |  |  |
| TA/DA/POL etc. |  |  |  |  |  |
| TOTAL |  |  |  |  |  |

**7.5 Utilization of KVK funds during the year 2012 -13**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned** | **Released** | **Expenditure** |
| **A. Recurring Contingencies** | | | | |
| 1 | **Pay & Allowances** | 3630000 | 3630000 | 3730407 |
| 2 | **Traveling allowances** | 100000 | 100000 | 100000 |
| 3 | **Contingencies** | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines), POL, repair of vehicles, tractor and equipments | 400000 | 400000 | 400000 |
|  |
| *B* | Meals/refreshment for trainees (ceiling upto Rs.40/day/trainee be maintained), Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) | 300000 | 300000 | 300000 |
|  |  |  |  |  |
| *C* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) | 150000 | 150000 | 150000 |
| *D* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) | 100000 | 100000 | 100000 |
| *E* | Training of extension functionaries |  |  |  |
| *F* | Maintenance of buildings | 50000 | 50000 | 50000 |
| *G* | Establishment of Soil, Plant & Water Testing Laboratory |  |  |  |
| *H* | Library |  |  |  |
| **TOTAL (A)** | | 4730000 | 4730000 | 4830704 |
|  | |  |  |  |
| **B. Non-Recurring Contingencies** | | | | |
| 1 | **Works** |  | - |  |
| 2 | **Equipments including SWTL & Furniture** |  |  | 396403 |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) |  |  | Fund is available of FY 2005-06,06-07,07-08,08-09,09-10,10-11 and 11-12 |
| 4 | **Library** (Purchase of assets like books & journals) |  |  |  |
| **TOTAL (B)** | |  |  | **396403** |
| **C. REVOLVING FUND** | |  |  | 433051 |
| **GRAND TOTAL (A+B+C)** | | **4730000** | **4730000** | **5660158** |

**7.5 Status of revolving fund (Rs. in lakh) for last three years**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Year** | **Opening balance as on 1st April** | **Income during the year** | **Expenditure during the year** | **Net balance in hand as on 1st April of each year (Kind + cash)** |
| April 2010 to March 2011 | 229799.00 | 169121.00 | 160811.00 | 238109.00 |
| April 2011 to March 2012 | 238109.00 | 46290.00 | 250852.00 | Cash- 33547.00  Kind- Paddy- 300 quintal |
| April 2012 to March 2013 | 33547 | 403138 | 433051 | Cash-3634  Kind- Paddy- 400 Q  Gram- 8 Q  Lentil- 28 Q |

* 1. **Any other significant achievements (provide full details with action photograph)**

1. **Demonstration unit of Sprinkler irrigation at KVK farm**
2. **Electrification at KVK farm in March 2013**
3. **100% wheat sowing under Zero-tillage at KVK farm is an well condition**
   1. **Number of SHGs formed by KVKs/associated with SHGs formed by other organizations indicating the area of SHG activities.**
   2. **Details of marketing and financial opportunity created for the SHGs**
   3. **Special programme on Food and Nutrition :**

**i) On farm trials conducted on food and nutrition:**

**Title, results, no. of beneficiaries and other information.**

**ii) FLD conducted on food and nutrition**

**Title, results, no. of beneficiaries and other information**

**iii) Awareness programme conducted on food and nutrition for Anganwadi workers**

**and others**

**iv) Total Anganwadi workers trained indicating area of training:**

**v) Number of exhibition, fair, workshops organized on food and nutrition:**

* 1. **Community Radio Station :**

1. **Date of start of Community Radio Station**
2. **Details of programme aired through Community Radio Station and frequency of such programme**
3. **Whether any proposal is pending for establishment of CRS at KVK, if yes, date of submission of proposal**
   1. **KMAS Service**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Mobile Advisory** | | | | | | | | |
|
| **No. of**  **calls** | **No. of farmers**  **covered** | **No. of**  **messages** | **Type of messages** | | | | | |
| **Crop (no.)** | **Livestock** | **Weather** | **Marketing** | **Awareness** | **Other** |
|  |  |  |  |  |  |  |  | **enterprise** |
|  |  |  |  |  |  |  |  |  |

* 1. **Performance of Automatic Weather Station/ Weather Station in KVK**

1. **Parameters are being recorded**
2. **Advisory service based on weather data being provided to**
3. **Number of farmers**
4. **Departments with name and number**
5. **Other agency with name and number**
   1. **Joint activity carried out with line departments and ATMA**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of activity** | **Season** | **With line department** | **With ATMA** | **Both** |
| **Kharif Mahotsva** | **2012-13** | **ATMA** | **ATMA** |  |
| **Rabi Mahotsva** | **2012-13** | **ATMA** | **ATMA** |  |
| **Garma Mahotsva** | **Summer 2012-13** | **DAO** |  |  |

**ACTION PHOTOGRAPHS**

|  |  |
| --- | --- |
|  |  |
| **Honorable Vice Chancellor Visit at K.V.K.** | **Director seed of BAU visit at K.V.K** |
|  |  |
| **Associate Director Extension Education of BAU visit at K.V.K in Technology week 2013.** | **Programme co-ordinator of K.V.K. distributed prize to progressive farmer at in Technology week 2013.** |
|  |  |
| **Deworming in Kid** | **On farm trial on wheat under Zero-tillage system** |

|  |  |
| --- | --- |
|  |  |
| **Electrification at K.V.K** | **Seed production programme on Paddy at K.V.K .** |
|  |  |
| **A farmer producing pumpkin** | **Director Extension Education of BAU visit at K.V.K.** |
|  |  |
| **Seed production programme on Gram (Chickpea) at K.V.K .** | **Director Seed of BAU visit at K.V.K.** |

|  |  |
| --- | --- |
|  |  |
| **Cheek house made by farm women** | **Students of BSc. (Ag), BAU, Sabour visit at K.V.K. under RAWE programme** |
|  |  |
| **Kisan Chaupal programme by K.V.K.** | **Poultry postmortem by KVK scientist** |
|  |  |
| **Associate Director Extension Education of BAU visit at K.V.K , godown during Technology week 2013.** | **Liver enlarge diagnosis by postmortem** |

|  |  |
| --- | --- |
|  | **Animal Health Camp at K.V.K.** |
|  |  |
| **Women participation at K.V.K in Technology week 2013.** | **Harvesting of Potato at KVK farm** |
|  |  |
| **Spraying of herbicide at KVK farm by power sprayer** | **D.A.H.O. visit at K.V.K in Technology week 2013.** |

|  |  |
| --- | --- |
| **Exposal visit at BAU Cattle farm** | **Exposal visit at BAU Goat farm** |

**MEDIA COVERAGE**

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

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