**ANNUAL REPORT OF KVK UDALGURI, 2018-19**

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, Udalguri  Assam Agricultural University, Lalpool, BTAD, Pin 784514, Assam | Office | FAX | [kvk.udalguri13@gmail.com](mailto:kvk.udalguri13@gmail.com)  kvk\_udalguri@aau.ac.in |
| 99579-00808 | NIL |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX | [vc@aau.ac.in](mailto:vc@aau.ac.in), [dee@aau.ac.in](mailto:dee@aau.ac.in) |
| Assam Agricultural University, Jorhat-785013 | +91-376-2340013 | +91-376-2340001 |

1.3. Name of the Senior Scientist and Head with phone & mobile No

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Dr. Debasish Borah | - | 99579-00808 | [kvk.udalguri13@gmail.com](mailto:kvk.udalguri13@gmail.com) |

1.4. Year of sanction: 2012

1.5. Staff Position **(As on 31st March, 2018)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. | Sanctioned post | Name of the incumbent | Designation | Discipline | Pay Band (Rs.) | Present basic (Rs.) | Date of joining | Permanent  /Temporary | Category (SC/ST/  OBC/  Others) |
| 1 | Senior Scientist and Head | Dr. Debasish Borah | Senior Scientist and Head | Agronomy | 41720.00 | 50720.00  *(Pre Revised)* | 6th July, 2015 | Permanent | Gen |
| 2 | Subject Matter  Specialist | Dr. Pallavi Deka | SMS | Agril. Economics | Level 10 | 61300.00 | 01st Feb, 2014 | Permanent | ST |
| 3 | Subject Matter  Specialist | Ms. Himadri Rabha | SMS | Plant Protection | Level 10 | 61300.00 | 07thFeb, 2014 | Permanent | ST |
| 4 | Subject Matter  Specialist | Mr. Bhaskar Baruah | SMS | Horticulture | Level 10 | 61300.00 | 15th Oct, 2015 | Permanent | Gen |
| 5 | Subject Matter  Specialist | Mr. Kapil Debnath | SMS | Fisheries | Level 10 | 61300.00 | 02nd Nov, 2015 | Permanent | OBC |
| 6 | Subject Matter  Specialist | Dr. Pradip Rajbongshi | SMS | An. Science | Level 10 | 56100.00 | 18th,  Aug, 2018 | Permanent | OBC |
| 7 | Subject Matter  Specialist | Ms. Ipsita Ojah | SMS | Soil Science | Level 10 | 56100.00 | 18th, Aug., 2018 | Permanent | OBC |
| 8 | Programme Assistant | Mrs. Pompy Bora | Programme Assistant | Home Science | Level 6 | 38700.00 | 27th Oct, 2014 | Permanent | OBC |
| 9 | Computer  Programmer | Mr. Pranabesh Barman | Programme Assistant | Computer | Level 6 | 52000.00 | 14th Nov, 2008 | Permanent | SC |
| 10 | Farm Manager | Vacant | - | - | - | - | - | - | - |
| 11 | Accountant / Superintendent | Mr. Dhruba Jyoti Sarmah | OSA | Accounts | Level 6 | 39900.00 | 22nd Feb, 2012 | Permanent | Gen |
| 12 | Stenographer | Mr. Bhaskar Jyoti Saikia | Jr. Stenographer cum Computer Operator |  | Level 4 | 27900.00 | 13th Aug, 2016 | Permanent | OBC |
| 13 | Driver | Mr. Mithun Biswas | Driver cum Mechanic |  | Level 3 | 23100.00 | 1 Dec 2016 | Permanent | SC |
| 14 | Driver | Mr. Rupjyoti Gogoi | Driver cum Mechanic |  | Level 3 | 21700.00 | 14th May, 2018 | Permanent | OBC |
| 15 | Supporting staff | Mr. Tilak Kalita | Supporting Staff |  | Level 1 | 18000.00 | 10th July, 2018 | Permanent | Gen |
| 16 | Supporting staff | Mr. Kamal Bahadur Lama | Supporting Staff |  | Level 1 | 18000.00 | 11th July, 2018 | Permanent | OBC |
|  | **Total** | **15** |  |  |  |  |  |  |  |

1.6. a. Total land with KVK (in ha) :**26.7 ha**

b. Total cultivable land with KVK (in ha) :**26.7 ha**

c. Total cultivated land (in ha) :**4 ha**

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings (Administrative building+ Farmers’ Hostel+ Staff Quarters) | Construction Ongoing |
| 2. | Under Demonstration Units | 0.02 |
| 3. | Under Crops (Cereals, pulses, oilseeds etc.) | 3.00 |
| 4. | Under vegetables | 0.05 |
| 5. | Orchard/Agro-forestry | 0.014 |
| 6. | Others (specify) | Nil |

**1.7. Infrastructural Development:**

A) Buildings: Yet to be constructed

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S.  No. | Name of building | Source of  funding | Stage | | | | | |
| Complete | | | Incomplete | | |
| Completion  Date | Plinth area (m2) | Expenditure (Rs.) | Starting Date | Plinth area  (Sq.m) | Status of construction |
| 1. | Administrative  Building | ICAR |  |  |  | 19/05/2018 |  | incomplete |
| 2. | Farmers Hostel | - |  |  |  |  |  | Nil |
| 3. | Staff Quarters (6) | - |  |  |  |  |  | Nil |
| 4. | Demonstration Units (2) | - |  |  |  |  |  | Nil |
| 5. | Fencing | - |  |  |  |  |  | Nil |

**B) Vehicles**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Type of vehicle** | **Regd. No.** | **Year of purchase** | **Cost (Rs.)** | **Total km Run** | **Present status** |
| Mahindra Maxx BS2 | AS-03 G  9579 | 2008 | - | 1,60,803 km | Running  Condition |
| Mahindra Tractor | AS 03 AC 5953 | 2012 | - | 672 hours | Running  Condition |

**C) Equipment& AV aids**

|  |  |  |  |
| --- | --- | --- | --- |
| **Name of the equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** |
| Photocopy machine | 2014 | - | Good condition |
| Computer (4 Nos.) | 2014 (1 no.)  2016 (2 nos.)  2019 (1 nos) | - | Good condition |
| Printer (4 Nos.) | 2014 (1 no.)  2015 ( 1 No)  2016 (2 nos.) | - | Good Condition |
| LCD Projector | 2016 (1 no.) | - | Good Condition |
| DSLR Camera | 2016 (1 no.) | - | Good Condition |

**1.8. A). Details SAC meeting\* conducted in the year 2017-2018**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. no.** | **Name and designation of participants** | **Salient Recommendation** | **Action Taken on last SAC recommendation** |
| 1 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat | For demonstration of Toria var. TS-67 site selection should be done in collaboration with DAO office and sowing should be done in December | One FLD has been undertaken for introducing Toria var. TS-67 with an area of 3 ha at 3 villages in consultation with DAO office, sowing was done in the month of December as desired. |
| 2 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat | OFT on INM in toria should not be taken rather change the crop. | As per suggestion it was not taken |
| 3 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat and house | For strawberry study the shelf life of product | Under FLD on Popularization of Strawberry, shelf life study has been done.  Sweet Charlie: 3-4 days  Early Dawn : 2-3 days |
| 4 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat and DAO | For apiculture cultivation training invite experts from AAU. Sesame cultivation near apiculture. | SMS (Plant Protection) is on study leave and so such programme was not undertaken in this year. |
| 5 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat and house | Value addition on woven undertake modern approach | Various products like dinning mats, apron, and mobile pouch has been designed and developed under FLD programme |
| 6 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat | Provide pumpkin variety Arjuna to Abdul Mannan and adviced to plant latest by July. | Due to non availability of seed the programme could not be done in the financial year 2018-19. |
| 7 | Dr. A. K. Chakrabarty, DR(Vety.), AAU, Khanapara | For cluster mode of Kamrupa bird replace the local male with Kamrupa male | Initiative has been started to replace local male with Kamrupa male at village Barnagaon |
| 8 | Mr. Abdul Baten, DAO,Udalguri | Focus on study of horizontal spread of mushroom production | The study has been undertaken under the a FLD programme and the study found that the technology has been spread to more than 25 villages. |
| 9 | Mr. Biswajit Deb, DDM, NABARD | 1. Chenichampa cultivation near Banana Malbhog demonstartion.  2. Awareness camp on ripening of banana | Planting of *Chenichampa* will be started from March-April at village Gersong and Botabari.  Awareness included in training programmes under Horticulture and KKA. |
| 10 | Mr. Kamaleswar Boro, President, Daobariary Organic Grower Scoety, Udalguri | .For organic seed may contact Biswanath chariali. | Working with Farmer Producer Company, ABAD on organic sector at Bhergaon . We are also trying to increase the area and working in this sector,  The FPC has already been covered 100 ha area under organic cultivation,.  Demonstration on organic cultivation Broccoli covering an area of 2ha  Organic seeds of have been collected from Biswanath Chariali and the work is in progress. |
| 11 | Mr. Bhabendra Boro, President, KASS, Udalguri | *Ronga ahu* may try if seed is available. | Programme was not taken due to non availability of quality seed |
| 12 | Dr. R. Bordoloi, Principal Scientist, ATARI, Ghy, Zone-VI | Give importance on medicinal plant cultivation | The site selections along with beneficiaries have been selected for the same. The demonstration will be conducted whenever fund is available |
| 13 | Dr. H.C. Bhattacharyya, DEE, AAU, Jorhat | Value addition on woven undertake modern approach | Various products like dinning mats, apron, and mobile pouch has been designed and developed under FLD programme |
| 14 | Mr. Abdul Baten, DAO,Udalguri | For pickle preparation packaging and labelling is very important | Pickle packaging and labelling was done under the FLD programme  Processing and marketing (packaging and labelling) of amla, dry fish, mushroom and ready to cook jackfruit.  Training on pickle preparation, packaging and labelling also done at villages Chanbari, Dewrigaon and Kacharital |
| 15 | Mr. Abdul Baten, DAO,Udalguri | Include awareness on soil health, human health and crop and livestock insurance in every training. | In all the training programmes, 20-30 minute lecture has been included in these topics |
| 16 | Mr. Abinash Daimary, President, Udalguri Farmers Society | Black pepper demonstration in arecanut belt. | Total 20 nos. of demonstration on bari development has been conducted under TSP Programme. |

*\* Attach a copy of SAC proceedings along with list of participants*

**2. DETAILS OF DISTRICT**

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

|  |  |
| --- | --- |
| Sl. No | Farming system/enterprises |
| 1. | Agriculture + A.H. |
| 2. | Agriculture + Fishery +A.H. |
| 3. | Agriculture +Horticulture +Sericulture |
| 4. | Agriculture +Horticulture +Fishery +A.H. |
| 5. | Agriculture +Horticulture +A.H. |

**2.2 Description of major agro ecological situations (based on soil and topography)**

|  |  |  |
| --- | --- | --- |
| No | Agro ecological situation | Characteristics |
| 1 | Foot hill with high elevation | Foot hills of Himalayas, alluvial soils are found with dense forest |
| 2 | Upland medium rainfall | Old alluviums, acidic |
| 3 | Medium land medium rainfall | - |
| 4 | Low land low elevation | Near river banks, new alluvials which are either neutral or less acidic |
| 5 | Deep water low elevation | - |

2.3 Soil type/s

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No | Soil type | Characteristics | Area in ha |
| 1. | Sandy loam | Dominated by sand particles, but contain enough clay and sediment | 40560.16 |
| 2. | Clay loam | Susceptible to water logging, contain more clay than other type of rocks or mineral | 45486.02 |
| 3. | Silty loam | Having greater tendency to form a crust, which is often very hard. If they are over tilled, they can become compact and this decreases their ability to infiltrate water in wet periods | 1230.70 |
| 4. | Clay | Contain very little organic material, often need to add amendments. Clay are slowly permeability. | 4355.10 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Sl. No | Crop | Area (ha) | Production (MT) | Productivity (KG /ha) |
| 1. | Rice (Total) | 94657 | 1285220 | 1298.6 |
| 2. | Autumn Paddy | 25642 | 24554 | 973 |
| 3. | Winter Paddy | 63210 | 1244317 | 1997 |
| 4. | Summer Paddy | 5805 | 16349 | 2816 |
| 5. | Jute | 4516 | 47861 | 1908 |
| 6. | Potato | 7544 | 43942 | 5825 |
| 7. | Rapeseed & Mustard | 7036 | 1328 | 832 |
| 8. | Rabi Pulses | 4164 | 5882 | 588 |
| 9. | Wheat | 1066 | 1584 | 1466 |
| 10. | Sugarcane | 790 | 31526 (In cane) | 39907 (In cane) |
| 11. | Maize | 507 | 419 | 796 |
| 12. | Mesta | 538 | 1908 | 784 |
| 13. | Banana | 608 | 9333 | 15350 |
| 14. | Orange | 740 | 8865 | 11980 |
| 15. | Chilli | 452 | 294 | 650 |

**2.5. Weather data (20118-19)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Month | Rainfall (mm) | Temperature 0 C | | Relative Humidity (%) | |
| Maximum | Minimum | Morning | Evening |
| April, 2018 | 133.4 | 29.4 | 19.2 | 89.5 | 60.9 |
| May, 2018 | 150.8 | 30.8 | 21.7 | 88.6 | 66.4 |
| June, 2018 | 301 | 32.7 | 24.7 | 91 | 70.56 |
| July, 2018 | 401.4 | 32.9 | 25.3 | 94.1 | 75.87 |
| August, 2018 | 358.1 | 33 | 25.1 | 94.2 | 74.5 |
| September, 2018 | 195.6 | 32 | 24.1 | 94.6 | 74.5 |
| October, 2018 | 70.6 | 29.7 | 18.8 | 92.4 | 63.06 |
| November, 2018 | 53.5 | 26.2 | 13.4 | 92.33 | 60.8 |
| December, 2018 | 25.3 | 24.4 | 9.9 | 93.8 | 52.7 |
| January, 2019 | 0.4 | 24.4 | 7.6 | 93.09 | 45.87 |
| February, 2019 | 58.6 | 25.6 | 11.6 | 93.1 | 51.21 |
| March, 2019 | 100.4 | 21.1 | 15.2 | 89 | 50 |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Population** | **Production** | **Productivity** |
| **Cattle** | | | |
| *Crossbred* | 7534 | NA | NA |
| *Indigenous* | 227703 | NA | NA |
| **Buffalo** | 11713 | NA | NA |
| **Sheep** | 9749 | 10.99 MT meat production |  |
| Crossbred | NA | NA | NA |
| *Indigenous* | NA | NA | NA |
| **Goats** | 110141 | 395.14 MT meat production |  |
| **Pigs** | 82401 | 483.93 MT meat production |  |
| *Crossbred* | NA | NA | NA |
| *Indigenous* | NA | NA | NA |
| **Rabbits** | NA | NA | NA |
| Poultry | | | |
| Hens | 63246 | NA | NA |
| *Desi* | NA | NA | NA |
| *Improved* | NA | NA | NA |
| Ducks | 121042 | 50.24 MT meat production | NA |
| Turkey and others | NA | NA | NA |

|  |  |  |  |
| --- | --- | --- | --- |
| **Category** | **Area** | **Production** | **Productivity** |
| Fish | | | |
| *Marine* | NA | NA | NA |
| *Inland* | 1086 ha  No. of ponds: 8100 | 2353 MT | 2500 kg/ha |
| Prawn | NA | NA | NA |
| Scampi | NA | NA | NA |
| Shrimp | NA | NA | NA |

*Note: Pl. provide the appropriate Unit against each enterprise*

**2.7 Details of Operational area / Villages (2018-19)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Taluk/ Eleka** | **Name of the block** | **Name of the village** | **Major crops & enterprises** | **Major problem**  **identified** | **Identified thrust area** |
| 1 |  | Kalaigaon | Kacharital | Rice, rapeseed, cattle, fishery, piggery | 1. Lack of knowledge of scientific cultivation of field and horticultural crops, livestock rearing  2.Lack of Awareness about new farm technologies  3.Lack of irrigation facilities  3.Marketing and transportation problem  4. Pest and disease incidence | Scientific cattle rearing for milk production,  Scientific cultivation of cereals, oilseeds, pulses, fibre crops and vegetables |
| 2 |  | Dalgaon | Dewrigaon | Rice, rapeseed, cattle, fishery, piggery, poultry | 1.Lack of Awareness about improved farm technologies  2.Lack of irrigation facilities  3.Marketing and transportation problem  4.Pest and disease incidence  5. No improved breed of livestock/poultry is available | Small Scale livestock/poultry farming using improved breed |
| 3 |  | Dalgaon | Sarbaherua | Rice, rapeseed, cattle, fishery, piggery | 1. Lack of Awareness about new farm technologies  2. Lack of irrigation facilities  3.Marketing and transportation problem  4. Pest and disease incidence | Scientific cultivation of cereals, oilseeds, pulses, fibre crops and vegetables, |
| 4 |  | Udalguri | Habigaon | Rice, rapeseed  Vegetables  cattle, Poultry, Buffalo, Goat,  Fishery | 1.Lack of knowledge about scientific cultivation practices, IPM & IDM of field & vegetable crops  2.Transportaion problem  3. Lack of irrigation facilities  4.Pest and disease incidence | Livestock rearing & scientific cultivation practices of field crops |
| 5 |  | Bechimari | Panikhaity | Rice, rapeseed, cattle, vegetables, | 1. High incidence of weeds in vegetables  2. Judicious use of fertilizer  3. Pest and disease attack | Weed management in vegetables |
| 6 |  | Rowta | 2no. Botabari | Rice, rapeseed, Vegetables  cattle, piggery | 1.Lack of knowledge about scientific cultivation practices of vegetable  2.Transportation and marketing problem  3.Pest and disease incidence | Scientific cultivation practices of high valued vegetable crops |
| 7 |  | Rowta | Doifang | Rice, rapeseed, cattle, Citrus, vegetables, fishery, piggery | 1.Pest and disease incidence specially in citrus  2.Farmers get less price for their produce  3.Transportation problem | Orchard management in citrus and study of marketing channels of different commodities |
| 8 |  | Kalaigaon | Tangla | Rice, rapeseed, cattle, fishery, piggery | 1.Using traditional varieties of seeds  2.Improper utilization of fertilizer  3.Pest and disease problems in cereals | Scientific cultivation of cereals, oilseeds, vegetables |
| 9 |  | Borsola | Sapkhaiti | Rice, rapeseed, cattle, fishery, piggery | 1.Using traditional varieties of seeds  2.Improper utilization of fertilizer  3.Pest and disease problems in cereals | Scientific cultivation of cereals, oilseeds, vegetables |
| 10 |  | Rowta | Rowt-pathar | Rice,  Vegetables  cattle, Fishery,  Piggery | 1.. Lack of knowledge on scientific fish farming  2. Lack of knowledge on organic cultivation  3.Pest and disease incidence  3. Low production of poultry, piggery and higher incidence of diseases in animals | Organic cultivation & Scientific fish farming, scientific poultry (chicken) farming, pig rearing |
| 11 |  | Rowta | Jhargaon | Rice, rapeseed, vegetables, cattle, fishery, piggery | 1.Lack of knowledge about scientific mushroom cultivation results low yield  2. Improper utilization of fertilizer  3.Pest and disease incidence  4. Improper management of Orange orchard | Scientific production technology of Mushroom |
| 12 |  | Rowta | Balisiha | Rice, rapeseed,  Mushroom, cattle, fishery, piggery | 1.lack of knowledge on production technology of mushroom  2.Lack of transportation facilities | Scientific spawn production of mushroom |
| 13 |  | Kalaigaon | Kalaigaon | Rice, rapeseed, cattle, fishery, piggery | 1. Lack of Awareness about new farm technologies  2. Lack of irrigation facilities  3. Marketing and transportation problem  4. Pest and disease incidence | Scientific cultivation of cereals, oilseeds, pulses, fibre crops and vegetables |
| 14 |  | Dalgaon | Gerua | Rice, rapeseed, cattle, fishery, piggery | 1.Lack of Awareness about new farm technologies  2.Lack of irrigation facilities  3. Marketing and transportation problem  4. Pest and disease incidence | Scientific cultivation of cereals, oilseeds, pulses, fibre crops and vegetables |
| 15 |  | Pachim Mangaldoi | Kuhiarkuchi | Rice, rapeseed, Sugarcane,  Vegetables  cattle, fishery, piggery | 1.Lack of knowledge about cultivation practices, livestock/poultry farming  2.Transportation and marketing problem  3.Pest and disease incidence | Small Scale piggery farming |
| 16 |  | Dalgaon | Simaluguri | Rice, rapeseed, Sericulture,  Vegetables  cattle, fishery, piggery | 1.Lack of knowledge about cultivation practices, livestock/poultry farming  2. lack of exposure to market  3.Pest and disease incidence | Weaving in large scale |
| 17 |  | Udalguri | Dogomomokha | Rice, rapeseed,  Pulses,  Vegetables  cattle, piggery, poultry | 1.Lack of knowledge about scientific cultivation practices of field & vegetable crops  2..Pest and disease incidence.  3. Low production of poultry, piggery and higher incidence of diseases in animals | Scientific cultivation of cereals, oilseeds, pulses and vegetables, scientific poultry (chicken) farming, pig rearing |
| 18 |  | Bhergaon | Bhergaon | Rice,  Vegetables  cattle, Fishery,  Piggery | 1.Poor transportation facilities  2. Lack of knowledge on scientific fish farming  3. Lack of knowledge on organic cultivation  3.Pest and disease incidence  4. Low production of poultry, piggery and higher incidence of diseases in animals | Organic cultivation & Scientific fish farming, scientific poultry (chicken) farming, pig rearing |

**3. TECHNICAL ACHIEVEMENTS**

**3. A. Details of target and achievements of mandatory activities by KVK during 2018-19**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **OFT (Technology Assessment and Refinement)** | | | | **FLD (Oilseeds, Pulses, Maize, Other Crops/Enterprises)** | | | |
|  | | | |  | | | |
| **Number of OFTs** | | **Number of Farmers** | | **Number of FLDs** | | **Number of Farmers** | |
| **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** | **Targets** | **Achievement** |
| **Animal Science** | 2 | 4 | 6 | 32 | 2 | 9 | 68 | 246 |
| **Soil Science** | 2 | 2 | 6 | 6 | 3 | 5 | 38 | 46 |
| **Horticulture** | 2 | 2 | 6 | 6 | 2 | 5 | 46 | 66 |
| **Fisheries** | 2 | 2 | 3 | 3 | 2 | 3 | 8 | 17 |
| **Plant Protection** | - | - | - | - | 2 | 1 | 6 | 6 |
| **Agronomy** | - | - | - | - | 4 | 6 | 60 | 103 |
| **Agril. Econ** | 2 | 2 | 40 | 70 | 3 | 3 | 40 | 44 |
| **Home Science** | 2 | 3 | 8 | 27 | 1 | 1 | 4 | 4 |
| **Total** | **12** | **15** | **69** | **145** | **19** | **33** | **27** | **532** |

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Training (including sponsored, vocational and other trainings carried under Rainwater Harvesting Unit)** | | | | | | | **Extension Activities** | | | | |
| **3** | | | | | | | **-** | | | | |
| **Number of Courses** | | | | **Number of Participants** | | | **Number of activities** | | | **Number of participants** | |
| **Clientele** | **Targets** | **Achievement** | | **Targets** | **Achievement** | | **Targets** | **Achievement** | | **Targets** | **Achievement** |
| **Farmers** | 24 | 88 | | 600 | 4214 | | 482 | 588 | | 10000 | 9185 |
| **Rural youth** | 12 | 11 | | 300 | 278 | |  |  | |  |  |
| **Extn.**  **Functionaries** | 6 | - | | 150 | - | |  |  | |  |  |
| **Vocational** | 3 | 2 | |  | 51 | |  |  | |  |  |
| **Total** | **45** | **101** | |  | **4543** | | **50** | **51** | | **2500** | **10979** |
| **Seed Production (ton.)** | | | | | | **Planting material (Nos. in lakh)** | | | | | |
|  | | | | | |  | | | | | |
| **Target** | | | **Achievement** | | | **Target** | | | **Achievement** | | |
| 6 | | | 4.87 | | | 0.08 | | | 0.05 | | |

1. **B. Abstract of interventions undertaken during 2018-19**

| **S/N** | **Thrust area** | **Crop/**  **Enterprise** | **Identified problems** | **Interventions** | | | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Title of OFT if any** | **Title of FLD if any** | **Title of Training if any** | **Title of training for extension personnel if any** | **Extension activities** | **Supply of seeds, planting materials etc.** |
| 1 | Organic cultivation | Cabbage | Non judicious application of fertilizer, Less area under organic cultivation | Cultivation of Cabbage by using organic sources of nutrients | - | - | - | 1.Advisory services  2.Diagnostic visit | Seed and Manures |
| 2 | Integrated weed management | Brinjal | Yield loss due to heavy occurrence of weeds in early stage of crop results low yield | Integrated weed management in Brinjal 2nd year | - | - | - | 1.Advisory services  2.Diagnostic visit | Seed, Manures and herbicide |
| 3 | Varietal evaluation | Strawberry | Non-availability of standard variety with higher yield | - | Scientific cultivation of strawberry var. Sweet Charlie | - | - | 1.Advisory services  2.Diagnostic visit | Seed, Manures, Plant protection chemicals |
| 4 | Cultivation of fruits | Banana | Non-scientific cultivation of banana | - | Scientific cultivation of banana var. Malbhog | - | - | 1.Advisory services  2.Diagnostic visit | Seedling, fertilizers, plant protection chemical |
| 5 | Cultivation of high value crop | Broccoli | Non-scientific cultivation of Broccoli | - | Popularization of exotic vegetable Broccoli as second crop in mono-cropping areas of Udalguri district | - | - | 1.Advisory services  2.Diagnostic visit | Seedling, fertilizers, plant protection chemical |
| 6 | Scientific management of Homestead garden (*Bari*) | Apple ber, Arecanut, Banana and black pepper | Traditional Homestead garden management | - | Development of Homestead garden (*Bari*) under STC programme | - | - | 1.Advisory services  2.Diagnostic visit | Seedling, fertilizers, plant protection chemical |
| 7 | Quality planting materials production | Turmeric | Non-availability of standard quality planting materials with higher yield | - | Quality planting material production programme of turmeric var. Megha turmeric using organic sources | - | - | Advisory services,  Mobile Advisory services & diagnostic visit | Seed, Biofertilizers, Vermicompost |
| 8 | Integrated crop management | Blackgran | Non scientific cultivation | - | Integrated crop management in Blackgram using variety PU 31 | - | - | Field day,  Advisory services,  Mobile Advisory services & diagnostic visit | Seed, Biofertilizers, Vermicompost |
| 9 | Integrated crop management | Greengram | Non scientific cultivation | - | Integrated crop management in Greengram using variety SGC 16 | - | - | Advisory services,  Mobile Advisory services & diagnostic visit | Seed, Biofertilizers, Vermicompost |
| 10 | Integrated crop management | Pea | Non scientific cultivation | - | Integrated crop management in Field Pea using variety Prakash | - | - | Advisory services,  Mobile Advisory services & diagnostic visit | Seed, Biofertilizers, Vermicompost |
| 11 | Soil Management | Rice | Zn deficiency in the particular area | Zinc Management in lowland Rice- Rice cropping sequence (Sali season) | - | - | - | - | Fertilizer, Plant protection chemicals |
| 12 | Soil Management | Toria | Deficiency of B in Soil | Combined Effect of S & B on Toria var. TS- 38 | - | - | - |  | Seed, Fertilizer, Plant protection chemicals |
| 13 | Integrated Nutrient Management | Scented Rice | In Judicious application of fertilizers | - | Integrated Nutrient Management in Scenced Sali Paddy var Bokul Joha | - | - | Field day,  Advisory services, & diagnostic visit | Seed, Fertilizer, Biofertilizers, Plant protection chemicals |
| 14 | Integrated Nutrient Management | Chilli | In Judicious application of fertilizers | - | Integrated Nutrient Management in Chilli | - | - |  | Seed, Fertilizer, Biofertilizers, Plant protection chemicals |
| 15 | Soil Management | Boro Rice | In Judicious application of fertilizers | - | Fertility Management of Boro Rice var. Kanaklata in Udalguri District | - | - | - | Seeds and Fertilizers |
| 16 | Varietal evaluation | Boro Rice | Low productivity of local variety | - | Demonstration of Boro Rice var. Kanaklata | - | - | - | Seed |
| 17 | Production of organic inputs | Vermicompost | Under utilization of crop residues | - | Demonstration on lowcost Vermicompost Production technology (Date of Start: 2017-18 (1st Harvest in April, 2018) in continuation) | - | - | 1.Advisory services  2.Mobile Advisory services  3.diagnostic visit | Worms and vermibeds |
| 18 | Production of organic inputs | Vermicompost | Under utilization of crop residues | - | Demonstration on lowcost Vermicompost Production technology (Date of Start: 2018-19) | Vermicompost production technology | - | 1.Advisory services  2.Mobile Advisory services  3.diagnostic visit | Worms and vermibeds |
| 19 | Integrated crop management | Sesamum | Non Scientific cultivation | - | Scientific Cultivation of Sesamum var. Bahuabheti | Scientific Cultivation of Sesamum var. Bahuabheti | - | 1.Advisory services  2.Field day  3.diagnostic visit | Seed, Vermicompost, Plant Protection Chemicals |
| 20 | Integrated crop management | Toria | Non Scientific cultivation | - | Scientific Cultivation of Toria var. TS-67 | Scientific Cultivation of Toria var. TS-67 | - | 1.Advisory services  2.Field day  3.diagnostic visit | Seed, Vermicompost, Plant Protection Chemicals |
| 21 | Integrated crop management | Rice | Non Scientific cultivation | - | Demonstration of hybrid rice | Scientific Cultivation practices and mechanizarion of kharif rice |  | 1.Advisory services |  |
| 22 | Storage technique | Mushroom,  Green jackfruit | 1. less self life  2. poor quality of dry mushroom  3. Storage loss minimization | Low cost technology of drying of Oyster Mushroom  To study self life and quality of ready to cook green jackfruit | - | - | - | 1.Advisory services  2.Mobile Advisory services  3.diagnostic visit | KMS, Citric acid |
| 23 | Value addition | Weaving  Amla | Low market value of woven fabric  Underutilized of locally available of minor fruits | Product diversification and value addition of woven fabric | Preparation of amla based mouth freshener | Value addition of fruits and vegetables (8 nos. training) |  | 1.Advisory services  2.Mobile Advisory services  3.diagnostic visit | Yarn |
| 24 | Drudgery reduction |  |  |  |  | Drudgery reduction through work simplification (2 nos.) |  | - |  |
| 25 | Household food security by kitchen gardening and nutrition gardening |  |  |  |  | Nutritional security through model kitchen garden (7 nos.) |  | - |  |
| 26 | Designing and development for high nutrient efficiency diet |  |  |  |  | Nutrification of traditional recipes (2 nos.) |  | - |  |
| 27 | Poultry management | Poultry | 1.  low weight gain in local Chicken  2. low productivity of local breeds | 1. Backyard poultry farming (Breed: Kamrupa) | 1. Backyard poultry farming ( Breed: Kamrupa)  2. Improved dual purpose poultry farming (Breed Kadaknath)  3. Improved dual purpose quail farming (Breed: Japanese Quail) | -  . | - | 1.diagnostic visit  2.Advisory services  3.Group discussion  5.Vaccination programme | Supply of chicks, ducklings under FLD and OFT programme |
| 28 | Poultry management | Duckery | 1. low productivity of local breeds | - | 1. Improved Duck farming (Breed: Chara Chemballi)  2. Improved Duck farming (Breed: Chara Chemballi)  3. Improved Duck farming ( Breed: Khaki campbell)  4. Broiler Duck farming (Breed: White Peckin) | 1.Improved Duck farming | - | 1.diagnostic visit  2.Advisory services  3.Group discussion  4.Farmers scientist Interaction | Ducklings |
| 29 | Breed introductin | Piggery | 1.lack of knowledge about scientific rearing and disease control  2. low productivity of local breeds | 1. Introduction of new pig breed Rani  2. Introduction of new pig breed “ HDK-75 | 1. Improved Pig farming (crossbred Hampshire 75%)  2. Improved pig farming (Breed: Rani) | - | - | 1.diagnostic visit  2.Advisory services  3.Group discussion | Supply of Piglets, under FLD and OFT programme |
| 30 | Rabbit production and management | Rabitry | Meat production of local Rabbit is very low | Introduction of Rabbit for meat production (Breed: Soviet Chincilla) | - | - | - | 1.Advisory services  2.Diagnostic visit | Supply of Rabbit under OFT programme |
| 31 | Varietal Evaluation | Fishery | Low consumer preference  Erosion of pond embankment | Growth performance of Amur common carp in composite fish farming | - | - | - | - | Lime and fish seed |
| 32 | Value addition | Fishery | Highly perishable | Production and quality assessment of fish pickles from mola (*Amblypharyngodon mola*) fish | - | - | - | - | Fish (Mola), Spices |
| 33 | Value addition | Fishery | Unhygienic, insect and dirt infestation in end product and lobourious | - | Popularization of simple low cost Solar Tent Dryer for fish drying | - | - | - | Fish, Solar Tent Dryer |
| 34 | IFS | Fishery | Non judicious use of pond embankment | - | Integrated fish-Poultry-horti farming under TSP | Scope and importance of integrated fish-poultry-horti farming for enhanced pond productivity | - | - | Banana sucker, Assam lemon, Papaya, Black peeper, fish seed and Poultry chicks. |
| 35 | Varietal Evaluation | Fishery | Low growth of indigenous Common carp and Rohu |  | Growth performance of Amur carp and Jayanti rohu in composite fish farming under NFDB | - | - | - | Lime, fish seed, fish feed. |
| 36 | Market study | Organic vegetables | Low price for farmers produce | Market chain analysis of organic vegetables |  |  |  | Face to face interaction, data collection | - |
| 37 | Impact study | Poultry | - | Impact assessment of OFT conducted by KVK on Poultry birds in Udalguri district |  |  |  | Face to face interaction, data collection | - |

**3.1 Achievements on technologies assessed and refined during 2018-19**

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cereals** | **Oilseeds** | **Pulses** | **Commercial Crops** | **Vegetables** | **Fruits** | **Flower** | **Plantation crops** | **Tuber Crops** | **TOTAL** |
| Varietal Evaluation | - | - | - | - | - | - | - | - | - | **-** |
| Seed / Plant production | - | - | - | - | - | - | - | - | - | **-** |
| Weed Management | - | - | - | - | 1 | - | - | - | - | **01** |
| Integrated Crop Management | - | - | - | - | - | - | - | - | - | **-** |
| Integrated Nutrient Management | 1 | 1 | - | - | 1 | - | - | - | - | **03** |
| Integrated Farming System | - | - | - | - | - | - | - | - | - | **--** |
| Mushroom cultivation | - | - | - | - | - | - | - | - | - | **-** |
| Drudgery reduction | - | - | - | - | - | - | - | - | - | **-** |
| Farm machineries | - | - | - | - | - | - | - | - | - | **-** |
| Value addition | - | - | - | 1 | - | 1 | - | - | - | **2** |
| Integrated Pest Management | - | - | - | - | - | - | - | - | - | **-** |
| Integrated Disease Management | - | - | - | - | - | - | - | - | - | **-** |
| Resource conservation technology | - | - | - | - | - | - | - | - | - | **-** |
| Others | - | - | - | - | 1 | - | - | - | - | **1** |
| **TOTAL** | **1** | **1** | **-** | **1** | **3** | **1** | **-** |  | **-** | **07** |

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

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

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

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

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

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic areas** | **Cattle** | **Poultry** | **Sheep** | **Goat** | **Piggery** | **Rabbitery** | **Fisheries** | **TOTAL** |
| Evaluation of Breeds | - | 1 | - | - | **2** | **1** | 1 | **5** |
| Nutrition Management | - | - | - | - | - | - | - | **-** |
| Disease of Management | - | - | - | - | - | - | - | **-** |
| Value Addition | - | - | - | - | - | - | 1 | **1** |
| Production and management | - | - | - | - | - | - | - | **-** |
| Feed and Fodder | - | - | - | - | - | - | - | **-** |
| Small Scale income generating enterprises – Woven fabric | - | 1 | - | - | - | - | - | **2** |
| **TOTAL** | **-** | **2** | **-** | **-** | **2** | **1** | **2** | **8** |

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

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

**A.5. Results of On Farm Testing**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of OFT** | **Problem Diagnosed** | **Name of Technology Assessed** | **Crop/Cropping system/ Enterprise** | **No. of Trials** | **Results of Assessment/ Refined (Data on the parameter should be provided)** | **Feedback from the farmer** | **Feedback to the Researcher** | **B.C . Ratio** |
| 1 | Cultivation of Cabbage by using organic sources of nutrients | Non judicious application of fertilizer, Less area under organic cultivation | Organic cultivation | Cabbage | 03 | Technology:  1. Yield- 206.4 q/ha  2. GC- Rs. 85132.00  3. GR- Rs. 206400.00  4. NR- Rs. 121268.00  Check:  1. Yield- 188.75 q/ha  2. GC- Rs. 68750.00  3. GR- Rs. 151000.00  4. NR- Rs. 82250.00 | The technology was well accepted among the farmers | To make biofertilizers available to the farmers | Technology:  2.42  Check: 2.20 |
| 2 | Integrated weed management in Brinjal 2nd year | Yield loss due to heavy occurrence of weeds in early stage of crop results low yield | Integrated weed management | Brinjal | 03 | Technology:  DOS- 12/01/19  1. Yield- 175 q/ha  2. GC- Rs. 54370.00  3. GR- Rs. 210000.00  4. NR- Rs. 155630.00  5. Weed population (%) at  30 DAT- 21.97  60 DAT- 11.77  At harvest- 4.75  Check:  DOS- 10/01/19  1. Yield- 129 q/ha  2. GC- Rs. 50710.00  3. GR- Rs. 154800.00  4. NR- Rs. 104090.00  5. Weed population (%) at  30 DAT- 51.47  60 DAT- 77.54  At harvest- 77.54 | The technology was well accepted among the farmers | Good | Technology:  3.86  Check: 3.05 |
| 3 | Zinc Management in lowland Rice- Rice cropping sequence (Sali season) | Zn deficiency in the particular area (32.26 % deficient in Rowta Block | Basal application 0f 25 kg ZnSO4/ha in every three years interval in addition to recommended dose of fertilizer (N:P:K::60:20-40) | Rice | 03 | 1. Av plant height: 100 cm 2. Yield: 55.9 q/ha 3. Soil fertility Status:   Av. N (393.7 kg/ha)  Av. P2O5 (24.5 kg/ha)  Av. K2O (152.3 kg/ha)  Av. Zn (0.3ppm) | The technology was well accepted among the farmers | good | 1.94 |
| 4 | Combined Effect of S & B on Toria var. TS- 38 | Deficiency of B in Soil (2.86 % deficient in Udalguri | 165 kg SSP as source + 14.25 kg Borax as Boron Source + R.D. NPK (75 kg urea, 45 kg DAP, 22.5 kg MOP per ha) | Toria | 03 | 1. Av plant height: 90 cm 2. Average Siliqua /plant: 98 3. Yield: 7.5 q/ha 4. No. of 4. seeds/siliqua: 12 5. Soil fertility Status:   Av. N (356.9 kg/ha)  Av. P2O5 (27.3kg/ha)  Av. K2O (264kg/ha)  Av. B (0.5ppm)  Av. S (15.5ppm) | The technology was well accepted among the farmers | good | 2.06 |
| 5 | Backyard poultry farming | Low productivity of local breed | Backyard poultry farming (Breed: Kamrupa) | Poultry | 23 | Adult male weight = 2.2kg(12 months)  Adult female weight =1.8kg(12 months)  Age at first egg laying = 190 days  Egg production- 170 / bird / year  Mortality -6% | Farmers are very much satisfied with the growth performance and high egg production than the local. | Need adequate supply of chicks to meet the demand of farmers. | 2.52 |
| 6 | Improved pig farming | Low productivity of local breed | Introduction of new pig breed “ HDK-75” | piggery | 3 | Male body weight( at 4 months )= 15 kg  Female body weight ( at 4months)=17 kg  Mortality 0% | - | - | ongoing |
| 7 | Rabbit farming | Meat production of local Rabbit is very low | Introduction of Rabbit for meat production  (Breed: Soviet Chincilla) | Rabbitry | 3 | Male body weight( at 5 months) = 2.3 kg  Female body weight (at 5months)=2.0 kg  Mortality 33% | Farmers are very much satisfied with the growth performance | - | ongoing |
| 8 | Improved pig farming | Low productive local breed | Introduction of new pig breed Rani | piggery | 3 | Male body weight (at 15 months )= 78 kg  Female body weight (at 15 months) = 89 kg  Age at first breeding = 276 days  Litter size at birth= 12 nos  Litter weight at birth=350-400gm  Litter size at weaning=11nos  Litter weight at weaning(55days)=47kg  Mortality 8.3 % | Farmers are very much satisfied with the growth performance and litter size | Need adequate supply of piglet to meet the demand of farmers. | 2.8 |
| 9 | Performance of *Amur* common Carp in composite fish farming | Low consumer preference of existing common carp due to bulged belly and erosion of pond embankment | Release of *Amur* common carp @15% in composite fish farming | Fisheries | 3 | * Av. prodn= 3200 kg/ha * Gross return = Rs.4,80,000.00/ha * Cost of cultivation/ha =Rs. 1,80,000.00 * Net return =3,00,000.00   Control   * Avg production=1800 kg * Gross return=2,70,000.00 * Net return=90,000.00 | Farmers are satisfied due to slender body and fast growth unlike existing common carp | Suitable bottom dwelling species in composite fish farming | 2.67= demonstration  1.50 = Control |
| 10 | Production and quality assessment of fish pickles from mola (*Amblypharyngodon mola*) fish | Highly Perishable | Fish Value Addition | Fisheries | 3 | * Av prodn= 4.5 kg pickle from 4 kg of fish * Gross return =   Rs. 2,700.00   * Gross Cost =   Rs. 1,500.00   * Net return =1,200.00 | Farmers are satisfied with the product due to its fishy flavor and delicious taste |  | 1.80 |
| 11 | Market chain analysis of organic vegetables | Low return of farmers | Market chain analysis of Organic vegetables | Organic vegetables | 30 | **Identified Market channel:**  Channel I: Producer-consumer  Channel: Producer-trader-consumer  **Price Spread (%)**  Channel I: 0.00  Channel: 25  **Producers share in consumer price (%):**  Channel I: 100  Channel: 75 | - | - | - |
| 12 | Impact assessment of OFT conducted by KVK on Poultry birds in Udalguri district | - | Impact assessment of OFT conducted by KVK on Poultry birds in Udalguri district | Poultry | 40 | 1. Increase in income: Rs.15000/unit  2. Horizontal spread: 80 units | - | - | - |
| 13 | To study the shelf life and quality of ready to cook green jackfruit | Non-scientific method of storage resulting heavy loss | Tender jackfruits were harvested and peeled. Slicing into pieces are done which was followed by blanching for 10 minutes. The pieces are filled in sterilized bottles and brine solution (8% salt+ 0.2% KMS) is poured into it. | Jackfruit | 6 | Storage period- 3 months  Price: 220/kg  Net Return: 10320.00 | Farmers satisfied | Good | Demo: 2.66:1 |
| 14 | Product diversification and value addition of woven fabric | Low market value of woven fabric | Dinning mat  Warp: Ton yarn  Weft: Thailand yarn  Pattern design: Kashmiri yarn | weaving | 10 | Color scheme: attractive, using complementary colour scheme  Price: 600.00 per set of dinning mat | Farmers satisfied | Good | Demo: 1.40:1 |
| 15 | Low cost technology of drying of Oyster mushroom | Less self life and poor quality of dried mushroom | T1 : Blanching  T2 : chemical treatment- mushroom is to be soaked for 6-7 hrs in preservatives (0.6 gm KMS/Kg fresh mushroom and 10 gm diluted in 1 lit normal water) | mushroom | 4 | Dry weight :  T1 : 100 gm/kg  T2 : 100 gm/kg  Selling price:  T1 : Rs. 50.00/ 50 gm  T2 : Rs. 55.00/ 50 gm  Colour:  T1 : light black  T2 : Off white | Farmers are highly satisfied | Good | Demo:  T1 : 2.44:1  T2 : 2.47:1 |

***\*Field crops – ton/ha, \* for horticultural crops -= kg/t/ha, \* milk and meat – litres or kg/animal, \* for mushroom and vermicompost kg/unit area.***

***\*\* Give details of the technology assessed or refined and farmer’s practice***

**3.2 Achievements of Frontline Demonstrations during 2018-19**

a. Follow-up for results of FLDs implemented during previous years

List of technologies demonstrated during previous year and popularized during 2018-19 and recommended for large scale adoption in the district

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No** | **Crop/**  **Enterprise** | **Technology demonstrated** | **Horizontal spread of technology** | | |
| **No. of villages** | **No. of farmers** | **Area in ha** |
| 1 | Mushroom | Production technology of Oyster Mushroom | 7 | 60 | NA |
| 2 | Banana | Scientific cultivation of banana var. *Malbhog* | 4 | 25 | 2.5 |
| 3 | Rapeseed | Demonstration on rapeseed var. *TS-46* in Udalguri district | 6 | 35 | 12.0 |
| 4 | Turmeric | Popularization of Turmeric var. *Megha* *Turmeric -1* | 5 | 22 | 3.0 |
| 5 | Poultry | Introduction of improved poultry breed *Kamrupa* | 6 | 18 | NA |
|  | Poultry | Introduction of dual purpose improved poultry breed *Japanese quail* | 8 | 47 | NA |
| 6 | Piggery | Introduction of improved pig breed *Crossbred* *Hampshire* | 4 | 15 | NA |
|  | Piggery | Introduction of improved pig breed *Rani* | 3 | 20 | NA |
| 7 | Fishery | Popularization of simple low cost solar tent dryer for fish drying | 3 | 5 | 3 units |
| 8 | Vermicompost | Demonstration of production of Vermicompost | 5 | 20 | NA |

***\* Thematic areas as given in Table 3.1 (A1 and A2)***

**b. Details of FLDs conducted during reporting period (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.** | **Crop** | **Thematic area** | **Technology Demonstrated** | | **Season and year** | **Area (ha)** | | | | **No. of farmers/**  **demonstration** | | | **Reasons for shortfall in achievement** | | **Farming situation**  **(Rainfed/ Irrigated, Soil type, altitude, etc)** | | | **Status of soil (Kg/ha)** | | |
| **N** | **P** | **K** |
| **Proposed** | **Actual** | | | **SC/ST** | **Others** | **Total** |  | |  | | |  |  |  |
| **Cereals** | | | | | | | | | | | | | | | | | | | | |
| 1 | Scented Paddy | Integrated Nutrient Management | 1. Variety: Bokul Joha; 2. Microbes: Azospirillum & PSB; 3. Manure: 1 ton/ha(dry weight)’ 4: Dose of Biofertilizer: 5 kg/ha; (5). Rock phosphate: 10kg P2O5/ha (6). Murate of Potash: 40 kg K2O/ha | | Kharif 2018 | 2 ha | | 2 ha | | 10 | 5 | 15 | N/A | | | Rainfed | 318.8 | | 31.2 | 227 |
| 2 | Boro Rice | Varietal evaluation | (1) Variety: Kanaklata (2) Seed rate: 40 kg/ha  (3) Manure (FYM): 1 ton/ha (dry weight) (4) Spacing: 20 cm × 25 cm | | Rabi 2018 | 1 ha | | 1 ha | | - | 3 | 3 | N/A | | | Irrigated | Ongoing | | | |
| 3 | Boro Rice | Soil Management | (1) Variety: Kanaklata (2) Seed rate: 40 kg/ha  (3) Manure (FYM): 1 ton/ha (dry weight) (4) Spacing: 20 cm × 25 cm with RD of Fertilizer (60, 30, 30 kg N, P2O5, K2O /ha) | | Rabi 2018 | 1 ha | | 1 ha | | 3 | - | 3 | N/A | | | Irrigated | Ongoing | | | |
| 4 | Rice | Seed Production | Demonstration of rice variety Ranjit Sub-1 for seed production | | Kharif 2018 | 15 | | 15 | | 52 | - | 52 | Nil | | | Rainfed | - | | | |
| 5 | Rice | Seed Production | Seed production of rice variety Ranjit | | Kharif 2018 | 5 | | 5 | | 20 | - | 20 | Nil | | | Rainfed | - | | | |
| 6 | Rice | IPM | Management of rice stem borer by using pheromone trap | | Kharif 2018 | 3 | | 3 | | 6 | - | 6 | Nil | | | Rainfed | - | | | |
| **Horticultural Crops** | | | | | | | | | | | | | | | | | | | | |
| 7 | Strawberry | Varietal evaluative | Var. Sweet Charlie | | Rabi, 2018 | 0.005 ha | | | 0.005 ha | 03 | - | 03 | NA | Irrigated | | | - | | - | - |
| 8 | Turmeric | Varietal evaluative | Var. Megha Turmeric - 1 | | Summer, 2019 | 1 ha | | | 1 ha | 20 | - | 20 | NA | Rainfed | | | - | | - | - |
| 9 | Banana | Scientific cultivation of fruits | Var. Malbhog | | Kharif, 2018 | 0.3 ha | | | 0.3 ha | 03 | - | 3 | - | Irrigated | | | - | | - | - |
| 10 | Broccoli | Cultivation of high vale crop | Popularization of exotic vegetable Broccoli as second crop in mono-cropping areas of Udalguri district | | Rabi, 2018 | 2 ha | | | 2 ha | 20 | - | 20 | - | Irrigated | | | - | | - | - |
| 11 | Apple ber, Arecanut, Banana, black pepper & vermicompost | Development of Homestead garden (*Bari*) | Introduction of high value crops/ enterprise and their scientific cultivation in Homestead garden (*Bari*) | | Rabi, 2018 | 0.4 ha | | | 0.4 ha | 20 | - | 20 | - | Rainfed | | | - | | - | - |
| 12 | Chilli | Integrated Nutrient Management | (1) Var: Tejaswini(2)Biofertilizers: Azospirillum, Azotobacter & PSB @ 5 kg/ha (3)Vermicompost (1 ton/ha) mixed with 50 % RD fertilizers (60, 30, 30 kg N, P2O5, K2O /ha), applied in ring method in 2 equal splits at planting and at 30 DAP | | Rabi 2018 | 0.3 ha | | | 0.3 ha | - | 10 | 10 | N/A | Rainfed | | | Ongoing | | | |
| **Oilseeds** | | | | | | | | | | | | | | | | | | | | |
| 13 | Sesamum | Integrated Crop Management | | Variety: Bahuabheti Fertilizers: 65 kg N, 125 kg P2O5, 33 kg K2O /ha | Kharif 2018 | 10 ha | | | 10 ha | 23 | 2 | 25 | N/A | Rainfed | | |  | |  |  |
| 14 | Toria | Integrated Crop Management | | Fertilizers: 75 % of recommended Dose of Fertilizer i.e. 30 Kg N, 26.25 Kg P2O5, 11.25 K2O/ha (Farmers contibution) + Vermicompost / Compost @ 1.5 q/ha + FYM @ 2.5 t/ha was applied Variety: Torai TS-67 | Rabi 2018 | 30 ha | | | 30 ha | 75 | - | 75 | N/A | Rainfed | | |  | |  |  |
| 15 | Toria | ICM | | Popularization of Toria in late sown condition var. TS-67 in Rice-Toria sequence | Rabi 2018-19 | 3 | | | 3 | 6 | 3 | 9 | nil | Rainfed | | | - | | - | - |
| 16 | Toria | Seed production | | Production of HYV of Toria var. TS-67 for seed production under TSP | Rabi 2018-19 | 9 | | | 9 | 15 | - | 15 | nil | Rainfed | | | - | | - | - |
| 17 | Toria | ICM | | Demonstration on Toria for Food Security of Tribal farmers of Udalguri district in Rice follows in late sown condition under AINP on VPM, RARS, North Lakhimpur | Rabi 2018-19 | 3 | | | 3 | 6 | - | 6 | nil | Rainfed | | | - | | - | - |
| **Pulses** | | | | | | | | | | | | | | | | | | | | |
| 18 | Blackgram | Integrated crop management | | Var. PU-31  Seed treatment with *rhizobium* @ 40g/kg seed, N:P:K::15:35:10 kg / ha vermicompost 1 ton/ha | *Kharif* 2018 | 10 | | | 10 | 14 | 11 | 25 | NA | Rainfed | | |  | |  |  |
| 19 | Greengram | Integrated crop management | | Var. SGC 16  Seed treatment with *rhizobium* @ 40g/kg seed, N:P:K::10:35:10 kg/ha vermicompost 1 ton/ha | *Kharif* 2018 | 10 | | | 10 | 17 | 08 | 25 | NA | Rainfed | | |  | |  |  |
| 20 | Field pea | Integrated crop management | | Var. Prakash  N:P:K::0:46:10 kg/ha | Rabi 2018 | 20 | | | 20 | 32 | 18 | 50 | NA | Rainfed | | |  | |  |  |

**c. Performance of FLD on Crops**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | | | | **Thematic area** | | | | | **Area (ha.)** | **Avg. yield (Q/ha.)** | | | | | | **% increase in Avg. yield** | | | **Additional data on demo. Yield (Q/ha.)** | | | | | | | | | **Data on arameter other than yield, e.g., disease incidence, pest incidence etc.** | | | | | | | | | | **Econ. Of demo. (Rs./ha.)** | | | | | | | | | | | | | | | | | | | | | **Econ. Of check (Rs./Ha.)** | | | | | | | | | | | | | | |
| **Demo.** | | **Check** | | | | **H\*** | | | | **L\*** | | | | | **GC\*\*** | | | | | | | **GR\*\*** | | | **NR\*\*** | | | | | | **BCR\*\*** | | | | | **GC** | | | | **GR** | | | | | **NR** | | | | **BCR** | |
| **Demo** | | | | | **Local** | | | | |
| **Cereals** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 1 | Scented Sali paddy (Var. Bokul Joha) | | | | Integrated Nutrient Management | | | | | 2 ha | 35 | | 27 | | | | 29.6 | | | 38 | | | | | 32 | | | | | - | | | | | - | | | | | 28836 | | | | | 47900 | | | | | 19064 | | | 1.66 | | | | | | 26300 | | 38800 | | | | | | | | | | 12500 | | 1.47 | |
| 2 | Boro Rice (Var. Kanak lata) | | | | Varietal evaluation | | | | | 1 ha | Ongoing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 3 | Boro Rice (Var. Kanak lata) | | | | Soil Management | | | | | 1 ha | - Ongoing - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 4 | Rice  (Ranjit sub I) | | | | Seed Production | | | | | 15 | 46.5 | | 36.0 | | | | 27 % | | | 52.00 | | | | | 42.50 | | | | | Very less | | | | | 7% dead heart | | | | | 39616.00 | | | | | 130200.00 | | | | | 90584 | | | 3.27 | | | | | | 25400.00 | | 54000.00 | | | | | | | | | | 28600.00 | | 1.89 | |
| 5 | Rice  (Ranjit) | | | | Seed Production | | | | | 5 | 45.5 | | 36.0 | | | | 26 % | | | 48.00 | | | | | 38.00 | | | | | Very less | | | | | 6% dead heart | | | | | 42000.00 | | | | | 130400.00 | | | | | 88400.00 | | | 3.18 | | | | | | 26200.00 | | 57000.00 | | | | | | | | | | 30800.00 | | 2.18 | |
| 6 | Rice | | | | IPM | | | | | 3 | 44.8 | | 30.2 | | | | 48 % | | | 52.03 | | | | | 40.00 | | | | | Dead heart 0.75 %, Leaf folder ).5 % | | | | | Dead heart 2.50 %, Leaf folder ).2.67 % | | | | | 19360.00 | | | | | 49280.00 | | | | | 29920.00 | | | 2.54 | | | | | | 18060.00 | | 33220.00 | | | | | | | | | | 15160.00 | | 1.84 | |
| **Horticultural Crops** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 7 | | Strawberry | | | Varietal evaluation | | | | | 0.005 ha | | | | 8.95 | | 7.25 | | | 23.45 | | | | 9.32 | | | | | 8.58 | | | | | Self life- 3-4 days | | | | | Self life- 2-3 days | | | | | 190450 | | | | | 358000 | | | | | | 167550 | | | | 1.88 | | | 190450 | | | | 275500 | | | 85050 | | | | | 1.45 |
| 8 | | Turmeric | | | Varietal evaluation | | | | | 1 ha | | | | - Ongoing - | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 9 | | Banana | | | Scientific cultivation of fruits | | | | | 0.3 ha | | | | Results till date  Plant height- 2.7 m  Plant Girth- 30.2 cm  Number of suckers – 4 | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | - Ongoing - | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 10 | | Broccoli | | | Organic cultivation | | | | | 2 ha | | | | 195.50 | | 126.00 | | | 55.16 | | | 201.50 | | | | | 189.50 | | | | | - | | | | | - | | | | | 81100 | | 293250 | | | | | | | | 212150 | | | | | 3.62 | | | | | 75000 | | | | 189000 | | | | | | 114000 | 2.52 |
| 11 | | Apple ber, Arecanut, Banana, black pepper & vermicompost | | | Development of Homestead garden (*Bari*) | | | | | 0.4 ha | | | | Ongoing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 12 | | | Chilli | | | INM | | 0.3 ha | | | | | | Ongoing | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| **Oilseeds** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 13 | | | | Sesamum | | | Integrated Crop Management | | 10 ha | | | 5.4 | | | 4.2 | | | 37.5 | | | 5.55 | | | | | 5.25 | | | | | - | | | | | - | | | | | 24850 | | | | | | 44000 | | | | 19150 | | | | | 1.77 | | | | | | | 20600 | | | | 32000 | | | 11400 | | | 1.55 | |
| 14 | | | | Toria | | | Integrated Crop Management | | 30 ha | | | **8.1** | | | 6.8 | | | 19.1 | | | 8.26 | | | | | 8 | | | | | - | | | | | - | | | | | 21410 | | | | | | 30350 | | | | 8940 | | | | | 1.4 | | | | | | | 19600 | | | | 23800 | | | 4200 | | | 1.2 | |
| 15 | | | | Toria | | | ICM | | 3 | | | 7.6 | | | 5.2 | | | 46 % | | | 7.8 | | | | | 5.6 | | | | | Very less | | | | | Very less | | | | | 14140.00 | | | | | | 24320.00 | | | | 10180 | | | | | 1.72 | | | | | | | 13000.00 | | | | 16640.00 | | | 3640.00 | | | 1.28 | |
| 16 | | | | Toria | | | Seed production | | 9 | | | 7.5 | | | 5.3 | | | 42 % | | | 7.7 | | | | | 6.2 | | | | | Very less | | | | | Very less | | | | | 16500.00 | | | | | | 37500.00 | | | | 21000.00 | | | | | 2.27 | | | | | | | 15840.00 | | | | 16960.00 | | | 1120.00 | | | 1.07 | |
| 17 | | | | Toria | | | ICM | | 3 | | | 6.5 | | | 5.2 | | | 25 % | | | 7.3 | | | | | 4.7 | | | | | Very less | | | | | Very less | | | | | 14600.00 | | | | | | 26000.00 | | | | 11400.00 | | | | | 1.78 | | | | | | | 14000.00 | | | | 16640.00 | | | 2640.00 | | | 1.19 | |
| **Pulse (CFLD)** | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | | |
| 18 | | | | Blackgram | | | Integrated crop management | | 10 ha | | | 9.50 | | | 7.2 | | | 31.94 | | | 10.37 | | | | | 8.63 | | | | | **-** | | | | | **-** | | | | | 24500 | | | | | | 47500 | | | | 23000 | | | | | 1.94 | | | | | | | 23100 | | | | 36000 | | | 12900 | | | 1.56 | |
| 19 | | | | Greengram | | | Integrated crop management | | 10 ha | | | 10.0 | | | 7.40 | | | 35.13 | | | 10.83 | | | | | 9.17 | | | | | - | | | | | - | | | | | 23600 | | | | | | 50000 | | | | 26400 | | | | | 2.12 | | | | | | | 23100 | | | | 37000 | | | 13900 | | | 1.60 | |
| 20 | | | | Field pea | | | Integrated crop management | | 20 ha | | | 12.58 | | | 9.32 | | | 34.98 | | | 14.36 | | | | | 10.58 | | | | | **-** | | | | | **-** | | | | | 22800 | | | | | | 50320 | | | | 27520 | | | | | 2.21 | | | | | | | 22800 | | | | 37280 | | | 14480 | | | 1.64 | |

**\*H-Highest recorded yield, L- Lowest recorded yield**

**\*\* GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**

**Produce Sale Price must be as per MSP or Registered Marketing Society**

**Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC**

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

**d. Extension and Training activities under FLD on Crops**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **Activity** | **No. of activities organized** | **Date** | **Number of participants** | | | **Remarks** |
| **Gen** | **SC/ST** | **Total** |
| 1 | Field days | 04 | 14/12/2018;  07/02/2019;  15/05/2018  13/12/2018 | 9  -  -  - | 16  25  25  30 | 25  25  25  30 |  |
| 2 | Farmers Training | 04 | 24/10/2019  15/09/2018  09/11/2018  20/08/2018 | -  21  01  05 | 19  -  41  15 | 19  21  42  20 |  |
| 3 | Media coverage |  |  |  |  |  |  |
| 4 | Training for extension functionaries |  |  |  |  |  |  |
| 5 | Any other (Pl. specify) |  |  |  |  |  |  |
|  | **Total** |  |  |  |  |  |  |

**e. Details of FLD on Enterprises**

(i) Farm Implements: Nil

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name of the implement** | **Crop** | **No. of farmers** | **Area (ha)** | **Performance parameters /**  **indicators** | **\* Data on parameter in relation to technology demonstrated** | | **% change in the parameter** | **Remarks** |
| **Demon.** | **Local check** |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

***\* Field efficiency, labour saving etc.***

**(ii) Livestock Enterprises**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Enterprise/ Category (e.g., Dairy, Poultry etc.)** | **Thematic area** | **Name of Technology** | **No. of farmers** | **No. of units** | **No. of animals, poultry birds etc.** | **Major Performance parameters / indicators** | | **% change in the parameter** | **Other parameters (if any)** | | **Econ. Of demo. (Rs./Ha.)** | | | | **Econ. Of check (Rs./Ha.)** | | | | **Remarks** |
| **Demo** | **Check** | **GC\*\*** | **GR\*\*** | **NR\*\*** | **BCR\*\*** | **GC** | **GR** | **NR** | **BCR** |
| **Demo** | **Check** |
| 1. | Duckery | Breed introduction | Broiler Duck farming (Breed: White Peckin) | 20 | 20 | 200 | Male weight (60 days2.5kg) =2.8kg  Female weight ( 60 days)=2.2 kg  Market age = 60 days  Mortality(%)= 2% | Male weight (365 days1.9 kg) =  Female weight ( 365 days)=1.5 kg  Mortality(%)= 4% | 47.3  46.6 | - | - | 240 | 600 | 360 | 2.5 | 490 | 645 | 155 | 1.3 | Farmer are highly satisfied and reared by themselves with developing marketing channel |
| 2 | Poultry | Breed introduction | Backyard poultry farming ( Breed: Kamrupa) | 48 | 7 | 288 | Male weight (4 months) = 820gm  Female weight (4 months) =760gm  Egg production  Egg weight | Male weight (4months)=320gm  Female weight (4months)=255gm  Egg production  Egg weight | - | - | - | - | - | - | - | - | - | - | - | Ongoing |
| 3 | Piggery | Breed introduction | Introduction of crossbred Hampshire 75% | 3 | 3 | 9 | Male Body weight( 365 days) 65kg  Female body weight (365days) 88kg,  Litter size at birth=8nosLitter weight at birth=6.9kg | Male Body weight ( 365 days) 54kg Female body weight  75kg,  Litter size at birth=5noLitter weight at birth=5.6kg | 20.3  63  60  23.2 | - | - | - | - | - | - | - | - | - | - | Ongoing |
| 4 | Poultry | Breed introduction | Improved dual purpose poultry farming (Breed Kadaknath) under TSP | 5 | 5 | 200 | Male weight( 280 days)-1.8kg  Female weight (280 days) -1.4kg  Egg laying start-190 days | Male weight ( 280 days)=970gm  Female weight( 280 days) -890g  Egg production=290days | 85.5  57.3 | - | - | - | - | - | - | - | - | - | - | Ongoing |
| 5 | Poultry | Breed introduction | Improved dual purpose quail farming (Breed: Japanese Quail)under TSP | 38 | 38 | 1520 | Male weight (200days) -280g  Female weight (200days)-300g  Egg laying start-50 days | No local practice | - | - | - | - | - | - | - | - | - | - | - | Ongoing |
| 6 | Duckery | Breed introduction | Improved Duck farming (Breed: Chara Chemballi)under TSP | 25 | 25 | 500 | Male weight (365 days) 2.1kg  Female weight(365 days) 1.8kg  Egg production 170 nos  Age at egg laying 175 days | Male weight (365 days) 1.5kg  Female weight (365 days) 1.3kg  Egg production 90nos  Age at egg laying 255 days | 40  38.4  89 | - | - | 700/duck | 1700.00 | 1000.00 | 2.42 | 700 | 900 | 200 | 1.2 | Farmer are highly satisfied and expand the stock by natural brooding |
| 7 | Duckery | Breed introduction | Improved Duck farming (Breed: Chara Chemballi)under TSP | 43 | 43 | 350 | Male weight (200days)1.7kg  Female weight (200days)1.2kg,  Age at egg laying 190days | Male weight (200days)1.5kg  Female weight (200days)1.3kg ,  Age at egg laying | - | - | - | - | - | - | - | - | - | - | - | ongoing |
| 8 | Duckery | Breed introduction | Improved Duck farming ( Breed: Khaki campbell)under TSP | 50 | 50 | 200 | Male weight  (200days)t 1.8kg  Female weight (200days)1.3kg,  Age at egg laying 185days | Male weight (200days)1.5kg  Female weight (200days)1.1kg,  Age at egg laying | - | - | - | - | - | - | - | - | - | - | - | ongoing |
| 9 | Piggery | Breed introduction | Improved pig farming (Breed: Rani)under TSP | 14 | 14 | 45 | Male body weight at (15 months )= 78 kg  Female body weight at (15 months)= 89 kg  Age at first breeding = 276 days  Litter size at birth= 12 nos  Litter weight at birth=7kgLitter size at weaning=11nos  Litter weight at weaning(55days)=40kg  Mortality 8.3 % | Male body weight at 15 months = 65 kg  Female body weight at 15 months= 78 kg  Age at first breeding = 338 days  Litter size at birth= 6 nos  Litter weight at birth=4.5kg  Litter size at weaning=4nos  Litter weight at weaning(55days)=18kg  Mortality 15 % | 20  14.1  18 | - | - | 15000.00 | 44000.00 | 29000.00 | 2.93 | 7000.00 | 12000.00 | 5000.00 | 1.7 | Farmer are very much satisfied with the productivity of demonstration unit |

**\*\* GC- Gross Cost, vvfrgvfgGR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**

**Produce Sale Price must be as per MSP or Registered Marketing Society**

**Pl. apply the formula: Net Return= Gross Return-Gross Cost, BCR= GR/GC**

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

**(iii) Fisheries**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Category, e.g. Common carp, ornamental fish etc.** | **Thematic area** | **Name of Technology** | **No. of farmers** | **No. of units** | **No. of fish/ fingerlings** | **Major Performance parameters / indicators** | | **% change in the parameter** | **Other parameters (if any)** | | **Econ. Of demo. (Rs./Ha.)** | | | | **Econ. Of check (Rs./Ha.)** | | | | **Remarks** |
| **Demo** | **Check** | **GC\*\*** | **GR\*\*** | **NR\*\*** | **BCR\*\*** | **GC** | **GR** | **NR** | **BCR** |
| **Demo** | **Check** |
| 1. | Solar drying of fish | Value addition | Solar Drying | 5 | 3 | NA | Dry fish= 1.125 kg from 4 kg of fresh fish | Dry fish= 1.10 kg from 4 kg of fresh fish | 2.27 | - | - | 477 | 790 | 313 | 1.66 | 550 | 500 | 50 | 0.91 |  |
| 2 | Fish cum horti cum poultry | IFS | Integrated fish- horti-poultry farming **(TSP)** | 7 | 7 | 8800 | On going  (Avg. Production.  Fish: 750 kg/ha  Poultry:  Male: 2.4 kg  Female: 2.7 kg ) |  |  |  |  |  |  |  |  |  |  |  | On going |  |
| 3 | Composite fish farming Under NFDB | Pond management | Varietal evaluation **(Amur carp and Jayanti rohu)** | 5 | 5 | 17000 | On going  (Avg. growth  Amur carp: 750 gm  Jayanti rohu: 650 gm) |  |  |  |  |  |  |  |  |  |  |  | On going |  |

***\*\* GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

**(iv) Other enterprises**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Category/ Enterprise, e.g., mushroom, vermicompost, apiculture etc.** | **Thematic area** | **Name of Technology** | **No. of farmers** | **No. of units** | **Major Performance parameters / indicators** | | **% change in the parameter** | **Other parameters (if any)** | | **Econ. Of demo. (Rs./Ha.)** | | | | **Econ. Of check (Rs./Ha.)** | | | | **Remarks** |
| **Demo** | **Check** | **Demo** | **Check** | **GC\*\*** | **GR\*\*** | **NR\*\*** | **BCR\*\*** | **GC** | **GR** | **NR** | **BCR** |
| 1 | Vermicompost | Production of organic Inputs | Demonstration on lowcost Vermicompost Production technology (Date of Start: 2017-18 (1st Harvest in April, 2018) in continuation) | 10 | 20 | 5.2 quintal vermicompost/ bag / batch | N/A | N/A | - | - | 9500.00 | 17385.00 | 7885.00 | 1.83 | - | - | - | - | - |
| **2** | Vermicompost | Production of organic Inputs | Demonstration on lowcost Vermicompost Production technology (Date of Start: 2018-19 | **05** | **05** | Ongoing | | | | | | | | | | | | | |
| 3 | Amla | Value addition | Preparation of amla based mouth freshener | 4 | 2 | Taste (Sensory evaluation by using hedonic 9 point scale)  T1 🡪8 (Like very much)  T2🡪9 (Like extremely) | NA | NA | Recovery Percntage of amla: 65% | NA | **T1:**  6130.00  **T2:**  7890.00 | 11000.00  12375.00 | 4870.00  4485.00 | 1.79:1  1.56:1 | NA | | | | - |
| 4 | Oyster mushroom | Value chain analysis | Value chain analysis of Mushroom-drying and marketing | 2 | 11 | Total fresh mushroom produced: 740kg/Unit/  Dried mushroom: 700 kg/ unit  Dry wt: 70kg/ unit | - | - | Demo:  Avg. Production: 1440 kg/unit  Yield/bed: 1.44kg/bed  Mushroom drying: 700 kg/unit  Recovery percentage: 10%  B:C ratio: 2.86 | | 70812.00 | 202800.00 | 131988.00 | 2.86 | - | - | - | - | - |
| 5 | Pickle | Value addition | Empowering women SHGs for proper processing & packaging of locally made pickle | 3 | 30 | Demo:  Yield: 900gm/1 kg of raw materials  Price: Rs.30/100gm  BC: 2.04 | - | - | - | | 20588.00 | 42000.00 | 21412 | 2.04 | - | - | - | - | - |
| 6 | Oyster mushroom (TSP) | Beneficial organism | Scientific production technology of oyster mushroom | 3 | 3 | Yield/bed: 1.4kg/bed  Gross Cost: Rs.64500.00  Net Return: 131500.00  BC ratio: 3.04 | - | - | - | | 64500.00 | 196000.00 | 131500.00 | 3.04 | - | - | - | - | - |

***\*\* GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio***

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

**(v) Farm Implements and Machinery: Nil**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of implement** | **Crop** | **Name of Technology demonstrated** | **No. of farmers** | **Area (In ha.)** | **Field observation (Output/ man-hours)** | | **% change in the parameter** | **Labour reduction (Man days)** | **Cost reduction (Rs. per ha. or Rs. per unit etc.)** | **Remarks** |
| **Demo** | **Check** |
|  | **-** |  |  |  |  |  |  |  |  |  |  |

**f. Performance of FLD on Crop Hybrids : Nil**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Crop** | **Name of hybrids** | **Area (ha.)** | **No. of farmers** | **Avg. yield (Q/ha.)** | | **% increase in Avg. yield** | **Additional data on demo. yield (Q/ha.)** | | **Econ. of demo. (Rs./Ha.)** | | | | **Econ. of check (Rs./Ha.)** | | | |
| **Demo.** | **Check** | **H\*** | **L\*** | **GC\*\*** | **GR\*\*** | **NR\*\*** | **BCR\*\*** | **GC** | **GR** | **NR** | **BCR** |
|
| **1** | **Rice** | **Arize 6444 gold** | **0.13** | **1** | **57.0** | **37.5** | **52 %** | **57.0** | **57.0** | **30726** | **77100** | **46374** | **2.51** | **25540** | **56250** | **30710** | **2.28** |

**\*H-Highest recorded yield, L- Lowest recorded yield**

**\*\* GC- Gross Cost, GR- Gross Return, NR- Net Return, BCR- Benefit-Cost Ratio**

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

**3.3. Achievements on Training**

**3.3.1. Farmers and Farm Women in On Campus including Sponsored On Campus Training Programmes (\*Sp. On means On Campus training programmes sponsored by external agencies)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic area** | **No. of Courses/ prog** | | | | **Participants** | | | | | | | | | | | | | | | | | | | |
| **On- Campus**  **(1)** | **Spon On\***  **(2)** | **Total**  **(1+2)** | | **General** | | | | | | **SC/ST** | | | | | | | **Total** | | | | | | **Grand Total**  **(x+y)** |
| **Male** | | **Female** | | **Total** | | **Male** | | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | |
| **On**  **(4)** | **Sp. On**  **(5)** | **On**  **(6)** | **Sp. On**  **(7)** | **On**  **(a= 4+6)** | **Sp. On**  **(b= 5+7)** | **On**  **(8)** | **Sp. On**  **(9)** | | **On**  **(10)** | **Sp. On**  **(11)** | **On**  **(c= 8+10)** | **Sp. On**  **(d= 9+11)** | **On**  **(4+8)** | **Sp. On**  **(5+9)** | **On**  **(6+10)** | **Sp. On**  **(7+11)** | **On**  **(x= a +c)** | **Sp. On**  **(y= b +d)** |
| **I. Crop Production** | | | | | | | | | | | | | | | | | | | | | | | | |
| Weed Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Water management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Fodder production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs | - | 1 | 1 | | - | 12 | - | - | - | 12 | - | 17 | | - | 1 | - | 18 | - | 47 | - | 1 | - | 48 | 48 |
| **II. Horticulture** | | | | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | | | | | | | | | | | | |
| Production of low volume and high value crops |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Nursery raising |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Exotic vegetables like Broccoli |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **b) Fruits** | | | | | | | | | | | | | | | | | | | | | | | | |
| Training and Pruning |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Layout and Management of Orchards |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Cultivation of Fruit |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Management of young plants/orchards |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **c) Ornamental Plants** | | | | | | | | | | | | | | | | | | | | | | | | |
| Nursery Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **d) Plantation crops** | | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **e) Tuber crops** | | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **f) Spices** | | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | | | | | | | | | | | | | |
| Nursery management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production and management technology |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | | | | | | | | | | | | | |
| Soil fertility management | 1 | - | 1 | 1 | | - | - | - | 1 | - | - | | 49 | - | - | - | 49 | - | 50 | - | - | 50 | - | 50 |
| Soil and Water Conservation |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  | |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |  |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Poultry Management | 1 | - | 1 | | - | - | - | - | - | - | 1 | - | | 29 | - | 30 | - | 1 | - | 29 | - | 30 | - | 30 |
| Piggery Management | 1 | - | 1 | | - | - | - | - | - | - | 15 | - | | 13 | - | 28 | - | 15 | - | 13 | - | 28 | - | 28 |
| Rabbit Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Disease Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Feed management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **V Community Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Women and child care |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **VI Agril. Engineering: Nil** | | | | | | | | | | | | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **VII Plant Protection** | | | | | | | | | | | | | | | | | | | | | | | | |
| Integrated Pest Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production technology and value addition of mushroom |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **VIII Fisheries** | | | | | | | | | | | | | | | | | | | | | | | | |
| Integrated fish farming | - | 1 | 1 | | - | 15 | - | - | - | 15 | - | 13 | | - | 1 | - | 14 | - | 28 | - | 1 | - | 29 | 29 |
| Carp breeding and hatchery management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **IX Production of Inputs at site: Nil** | | | | | | | | | | | | | | | | | | | | | | | | |
| Seed Production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | | | | | | | | | | | | | | | |
| Leadership development |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **XI Agro-forestry: Nil** | | | | | | | | | | | | | | | | | | | | | | | | |
| Production technologies |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  | |  |  |  |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **3.3.2. Achievements on Training of Farmers and Farm Women in Off Campus including Sponsored Off Campus Training Programmes (\*Sp. Off means Off Campus training programmes sponsored by external agencies)** | | | | | | | | | | | | | | | | | | | | | | | |
| **Thematic area** | **No. of Courses/ prg.** | | | **Participants** | | | | | | | | | | | | | | | | | | | **Grand Total** |
| **Off** | **Sp Off\*** | **Total** | **General** | | | | | | **SC/ST** | | | | | | **Total** | | | | | | |
| **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | | **Total** | |
| **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | | **Off** | **Sp Off\*** |
| **I. Crop Production** | | | | | | | | | | | | | | | | | | | | | | | |
| Weed Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Resource Conservation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Cropping Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Crop Diversification |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Water management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Seed production | - | 1 | 1 | - | - | - | - | - | - | - | 32 | - | - | - | 32 | - | 32 | - | - | | - | 32 | 32 |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Integrated Crop Management | - | 5 | 5 | - | 5 | - | 1 | - | 6 | - | 149 | - | 13 | - | 162 | - | 155 | - | - | | 14 | 169 | 169 |
| Fodder production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **II. Horticulture** | | | | | | | | | | | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | | | | | | | | | | | |
| Organic cultivation of winter vegetables | - | 1 | 1 | - | - | - | - | - | - | - | 28 | - | 29 | - | 57 | - | 28 | - | 29 | | - | 57 | 57 |
| Off-season vegetables | - | 1 | 1 | - | - | - | - | - | - | - | 90 | - | 10 | - | 100 | - | 90 | - | 10 | | - | 100 | 100 |
| IPM & IDM in summer vegetables | - | 1 | 1 | - | 26 | - | 1 | - | 40 | - | 9 | - | 3 | - | 12 | - | 35 | - | 17 | | - | 52 | 52 |
| Exotic vegetables like Broccoli |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Organic cultivation | - | 1 | 1 | - | 11 | - | 2 | - | 13 | - | 32 | - | 7 | - | 39 | - | 43 | - | 9 | | - | 52 | 52 |
| Grading and standardization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Scientific cultivation of vegetables | - | 1 | 1 | - | - | - | - | - | - | - | 62 | - | - | - | 62 | - | 62 | - | - | | - | 62 | 62 |
| **b) Fruits** | | | | | | | | | | | | | | | | | | | | | | | |
| Training and Pruning |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Layout and Management of Orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Cultivation of Fruit | 1 | - | 1 | 10 | - | 2 | - | 12 | - | 10 | - | - | - | 10 | - | 23 | - | 2 | - | | 25 | - | 25 |
| Management of young plants/orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Export potential fruits |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Value Addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **c) Ornamental Plants** | | | | | | | | | | | | | | | | | | | | | | | |
| Nursery Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Management of potted plants |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Flower Arrangement |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **d) Plantation crops** | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **e) Tuber crops** | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **f) Spices** | | | | | | | | | | | | | | | | | | | | | | | |
| Production and Management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | | | | | | | | | | | | |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production and management technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Others (NFSM) | - | 1 | 1 | - | 21 | - | - | - | 21 | - | - | - | - | - | - | - | 21 | - | - | | - | 21 | 21 |
| **III Soil Health and Fertility Management** | | | | | | | | | | | | | | | | | | | | | | | |
| Soil fertility management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production and use of organic inputs | - | 10 | 10 | - | 210 | - | 95 | - | 305 | - | 105 | - | 38 | - | 143 | - | 315 | - | 133 | | - | 448 | 448 |
| Management of Problematic soils |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Soil and Water Testing | 1 | 1 | 2 | 4 | 20 | 1 | - | 5 | 20 | 5 | 20 | 15 | - | 20 | 20 | 9 | 40 | 16 | - | | 25 | 65 | 65 |
| **IV Livestock Production and Management** | | | | | | | | | | | | | | | | | | | | | | | |
| Dairy Management | 1 | - | 1 | 24 | - | 4 | - | 28 | - | - | - | - | - | - | - | 24 | - | 4 | - | 28 | | - | 28 |
| Poultry Management | 3 | - | 3 | 63 | - | 15 | - | 78 | - | 18 | - | 32 | - | 40 | - | 81 | - | 47 | - | 128 | | - | 128 |
| Piggery Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| **Goat** Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Disease Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Feed management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |
| **V Community Science/Women empowerment** | | | | | | | | | | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | - | 8 | 8 | - | 223 | - | 67 | - | 290 | - | 128 | - | 70 | - | 145 | - | 351 | - | 84 | | - | 435 | 435 |
| Design and development of low/minimum cost diet |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Designing and development for high nutrient efficiency diet | 2 | - | 2 | - | - | 25 | - | 25 | - | 17 | - | 8 | - | 25 | - | 17 | - | 33 | - | | 50 | - | 50 |
| Minimization of nutrient loss in processing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Value addition | 1 | 5 | 6 | - | 79 | - | 31 | - | 110 | - | 136 | 25 | 33 | 25 | 169 | - | 215 | 25 | 64 | | 25 | 304 | 304 |
| Income generation activities for empowerment of rural Women | - | 6 | 6 | - | 81 | - | 61 | - | 142 | - | 53 | - | 84 | - | 137 | - | 134 | - | 145 | | - | 279 | 279 |
| Location specific drudgery reduction technologies | 2 | 1 | 3 | - | - | 2 | 27 | 2 | 27 | 24 | - | 24 | 17 | 48 | 17 | 24 | 27 | 26 | 17 | | 50 | 44 | 94 |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Women and child care |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **VI Agril. Engineering** | | | | | | | | | | | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **VII Plant Protection** | | | | | | | | | | | | | | | | | | | | | | | |
| Integrated Pest Management | - | 2 | 2 | - | 140 | - | 4 | - | 144 | - | 33 | - | 0 | - | 33 | - | 173 | - | 4 | | - | 177 | 177 |
| Integrated Disease Management (INM) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Bio-control of pests and diseases | - | 5 | 5 | - | 138 | - | 47 | - | 185 | - | 116 | - | 40 | - | 156 | - | 254 | - | 101 | | - | 355 | 355 |
| Production of bio control agents and bio pesticides | - | 5 | 5 | - | 262 | - | 18 | - | 280 | - | 88 | - | 02 | - | 90 | - | 350 | - | 20 | | - | 370 | 370 |
| **VIII Fisheries** | | | | | | | | | | | | | | | | | | | | | | | |
| Integrated fish farming | - | 2 | 2 | - | - | - | - | - | - | - | 25 | - | 33 | - | 58 | - | 25 | - | 33 | | - | 58 | 58 |
| Carp breeding and hatchery management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Scientific fish farming | 1 | 7 | 8 | - | 123 | - | 13 | - | 158 | 18 | 107 | 4 | 56 | 22 | 163 | 18 | 230 | 4 | 91 | | 22 | 321 | 321 |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Fish Health Management | - | 1 | 1 | - | 41 | - | - | - | 41 | - | - | - | - | - | - | - | 41 | - | - | | - | 41 | 41 |
| Ornamental fish farming | 1 | - | 1 | - | - | - | - | - | - | 18 | - | 7 | - | 25 | - | 18 | - | 7 | - | | 25 | - | 25 |
| Fish processing and value addition | 1 | - | 1 | - | - | - | - | - | - | 20 | - | 5 | - | 25 | - | 20 | - | 5 | - | | 25 | - | 25 |
| **IX Production of Inputs at site** | | | | | | | | | | | | | | | | | | | | | | | |
| Seed Production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Bio-agents production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Bio-pesticides production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Bio-fertilizer production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Vermi-compost production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Organic manures production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Small tools and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Production of Fish feed |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **X Capacity Building and Group Dynamics** | | | | | | | | | | | | | | | | | | | | | | | |
| Leadership development |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Group dynamics |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Formation and Management of SHGs | 2 | - | 2 | 1 | - | 8 | - | 8 | 1 | 32 | - | 9 | - | 19 | - | 41 | - | 9 | - | | 25 | - | 25 |
| Marketing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Mobilization of social capital |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Crop insurance |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Record keeping |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Entrepreneurial development of farmers/youths | 3 | - | 3 | - | - | 1 | - | - | - | 11 | - | 101 | - | 25 | - | 33 | - | 80 | - | | 113 | - | 113 |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **XI Agro-forestry** | | | | | | | | | | | | | | | | | | | | | | | |
| Production technologies |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Nursery management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| Integrated Farming Systems |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| ICT | | | | | | | | | | | | | | | | | | | | | | | |
| Use of ICT in Agriculture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |  |  |  |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **(B) RURAL YOUTH** | | | | | | | | | | | | | | | | | | | | | | |
| **3.3.3. Achievements on Training Rural Youth in On Campus including Sponsored On Campus Training Programmes**  **(\*Sp. On means On Campus training programmes sponsored by external agencies)** | | | | | | | | | | | | | | | | | | | | | | |
| **Thematic area** | No. of Courses/ Prog | | | **Participants** | | | | | | | | | | | | | | | | | | **Grand Total**  **(x + y)** |
| **On**  **(1)** | **Sp On\***  **(2)** | **Total**  **(1+2)** | **General** | | | | | | **SC/ST** | | | | | | **Total** | | | | | |
| **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | |
| **On**  **(4)** | **Sp. On**  **(5)** | **On**  **(6)** | **Sp. On**  **(7)** | **On**  **(a= 4+6)** | **Sp. On**  **(b= 5+7)** | **On**  **(8)** | **Sp. On**  **(9)** | **On**  **(10)** | **Sp. On**  **(11)** | **On**  **(c= 8+10)** | **Sp. On**  **(d= 9+11)** | **On**  **(4+8)** | **Sp. On**  **(5+9)** | **On**  **(6+10)** | **Sp. On**  **(7+11)** | **On**  **(x= a +c)** | **Sp. On**  **(y= b +d)** |
| Mushroom Production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs | - | 1 | 1 | - | 12 | - | 2 | - | 14 | - | 6 | - | - | - | 6 | - | 18 | - | 2 | - | 20 | 20 |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Training and pruning of orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery | 1 | - | 1 | - | - | - | - | - | - | 15 | - | 13 | - | 28 | - | 15 | - | 13 | - | 28 | - | 28 |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **3.3.4. Achievements on Training of Rural Youth in Off Campus including Sponsored Off Campus Training Programmes**  **(\*Sp. Off means Off Campus training programmes sponsored by external agencies)** | | | | | | | | | | | | | | | | | | | | | | |
| **Thematic area** | **No. of Courses/ Prog.** | | | **Participants** | | | | | | | | | | | | | | | | | | **Grand Total** |
| **Off** | **Sp Off** | **Total** | **General** | | | | | | **SC/ST** | | | | | | **Total** | | | | | |
| **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | |
| **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** |
| Mushroom Production | 2 | - | 2 | 3 | - | 6 | - | 9 | - | 23 | - | 19 | - | 42 | - | 26 | - | 25 | - | 51 | - | 51 |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial flower production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Commercial flower cultivation | 1 | - | 1 | 2 | - | - | - | 2 | - | 17 | - | 6 | - | 23 | - | 19 | - | 6 | - | 25 | - | 25 |
| Value addition | 1 | - | 1 | - | - | - | - | - | - | - | - | 26 | - | 26 | - | - | - | 26 | - | 26 | - | 26 |
| Organic cultivation | 1 | - | 1 | - | - | - | - | - | - | 22 | - | 3 | - | 25 | - | 22 | - | 3 | - | 25 | - | 25 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat rearing | 1 | - | 1 | 7 | - | 1 | - | 8 | - | 17 | - | - | - | 17 | - | 24 | - | 1 | - | 25 | - | 25 |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry production | 2 | - | 2 | 4 | - | - | - | 4 | - | 31 | - | 18 | - | 49 | - | 35 | - | 18 | - | 53 | - | 53 |
| Ornamental fisheries | 1 | - | 1 | - | - | - | - | - | - | 18 | - | 7 | - | 25 | - | 18 | - | 7 | - | 25 | - | 25 |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| IFS |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **C. Extension Personnel** | | | | | | | | | | | | | | | | | | | | | | |
| **3.3.5. Achievements on Training of Extension Personnel in On Campus including Sponsored On Campus Training Programmes**  **(\*Sp. On means On Campus training programmes sponsored by external agencies)** | | | | | | | | | | | | | | | | | | | | | | |
| **Thematic area** | **No. of Courses/ prog** | | | **Participants** | | | | | | | | | | | | | | | | | | **Grand Total**  **(x + y)** |
| **On**  **(1)** | **Sp On\***  **(2)** | **Total**  **(1+2)** | **General** | | | | | | **SC/ST** | | | | | | **Total** | | | | | |
| **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | |
| **On**  **(4)** | **Sp. On**  **(5)** | **On**  **(6)** | **Sp. On**  **(7)** | **On**  **(a= 4+6)** | **Sp. On**  **(b= 5+7)** | **On**  **(8)** | **Sp. On**  **(9)** | **On**  **(10)** | **Sp. On**  **(11)** | **On**  **(c= 8+10)** | **Sp. On**  **(d= 9+11)** | **On**  **(4+8)** | **Sp. On**  **(5+9)** | **On**  **(6+10)** | **Sp. On**  **(7+11)** | **On**  **(x= a +c)** | **Sp. On**  **(y= b +d)** |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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| **3.3.6. Achievements on Training of Extension Personnel in Off Campus including Sponsored Off Campus Training Programmes**  **(\*Sp. Off means Off Campus training programmes sponsored by external agencies)** | | | | | | | | | | | | | | | | | | | | | | |
| **Thematic area** | **No. of Courses/ prog.** | | | **Participants** | | | | | | | | | | | | | | | | | | **Grand Total** |
| **Off** | **Sp Off\*** | **Total** | **General** | | | | | | **SC/ST** | | | | | | **Total** | | | | | |
| **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | | **Male** | | **Female** | | **Total** | |
| **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** | **Off** | **Sp Off\*** |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation technology |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Group Dynamics and farmers organization |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Information networking among farmers |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Capacity building for ICT application |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Care and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Management in farm animals |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Livestock feed and fodder production |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Household food security |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Women and Child care |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Low cost and nutrient efficient diet designing |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Crop insurance |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

**Annexure 1: Details of Training Programme (On Campus including Sponsored On Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Area of training** | **Title of the training programme** | **Date (From – to)** | **Duration in days** | **Venue** | **(Farmer & Farm women/ RY/ EP and NGO Personnel)** | **General participants** | | | **SC/ST** | | | **Grand Total** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Agronomy | Production of organic inputs | Vermicompost production technology | 26-28 July, 2018 | 3 | KVK, Udalguri | PF | 25 | 0 | 25 | 22 | 1 | 23 | 47 | 1 | 48 |
| Animal Science | Piggery | Vocational Training on Scientific Pig farming for Self Empoyment | 13-17 Sept, 2018 | 5 | KVK, Udalguri | RY | 0 | 0 | 0 | 15 | 13 | 28 | 15 | 13 | 28 |
| Animal Science | Poultry management | Improved duck management | 02 November 2018 | 1 | KVK, Udalguri | PF | 0 | 0 | 0 | 1 | 29 | 30 | 1 | 29 | 30 |
| Fisheries | IFS | Training and demonstration of integrated farming system | 29 December 2018 | 1 | KVK, Udalguri | PF | 15 | 0 | 15 | 13 | 1 | 14 | 28 | 1 | 29 |
| Soil Science | Soil fertility management | Soil health management | 05 December 2018 | 1 | KVK, Udalguri | PF | 1 | 0 | 1 | 49 | 0 | 49 | 50 | 0 | 50 |
| Soil Science | Production of organic inputs | Skill development programme on vermi compost producer | 18 Feb - 20 Mar, 2018 | 25 | KVK, Udalguri | RY | 11 | 2 | 13 | 7 | 0 | 7 | 18 | 2 | 20 |

**Annexure 2: Details of Training Programme (Off Campus including Sponsored Off Campus) for Farmers, Farm Women, Rural Youth and Extension Personnel**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Area of training** | **Title of the training programme** | **Date (From – to)** | **Duration in days** | **Venue** | **Please specify Beneficiary group (Farmer & Farm women/ RY/ EP and NGO Personnel)** | **General participants** | | | **SC/ST** | | | **Grand Total** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Agronomy | ICM | Scientific practices and mechanization of Kharif Rice | 24-25 May, 2018 | 2 | Deurigaon | PF | 0 | 0 | 0 | 19 | 1 | 20 | 19 | 1 | 20 |
| Agronomy | ICM | Scientific practices and mechanization of Kharif Rice | 29 May 2018 | 1 |  | PF | 0 | 0 | 0 | 19 | 1 | 20 | 19 | 1 | 20 |
| Agronomy | Seed production | Rice cultivation for seed certification | 30 May 2018 | 1 | Kuhiarkuchi | PF | 0 | 0 | 0 | 32 | 0 | 32 | 32 | 0 | 32 |
| Agronomy | INM | Training Programmes For INM In Cereals | 13 June 2018 | 1 | Makelikanda | PF | 12 | 2 | 14 | 37 | 16 | 53 | 49 | 18 | 67 |
| Horticulture | Organic cultivation | Organic cultivation of winter vegetables | 29-30 Dec, 2018 | 2 | Tanglagaon | RY | 0 | 0 | 0 | 22 | 3 | 25 | 22 | 3 | 25 |
| Horticulture | Commercial flower cultivation | Commercial cultivation of flowers | 14-15 Dec, 2018 | 2 | No. 2 Sapkhaity | RY | 2 | 0 | 2 | 17 | 6 | 23 | 19 | 6 | 25 |
| Horticulture | Cultivation of fruits | Commercial cultivation of coconut and arecanut | 20-21 Dec, 2018 | 2 | Jhargaon | PF/FW | 10 | 2 | 12 | 13 | 0 | 13 | 23 | 2 | 25 |
| Horticulture | ICM | Production Technology of Blackgram | 15 September 2018 | 1 | Kundarbil | PF | 21 | 0 | 21 | 0 | 0 | 0 | 21 | 0 | 21 |
| Horticulture | Vegetables cultivation | Training Programme On Off Season Cultivation Of Vegetables | 29 June 2018 | 1 | Hiraparagaon | PF | 0 | 0 | 0 | 90 | 10 | 100 | 90 | 10 | 100 |
| Horticulture | Vegetables cultivation | Training Programme On Cultivation Of Vegetables | 17 July 2018 | 1 | Atherikhat Jungle | PF | 41 | 0 | 41 | 19 | 0 | 19 | 60 | 0 | 60 |
| Horticulture | Vegetables cultivation | Training Programme On Cultivation Of Vegetables | 12 July 2018 | 1 | Hatigarh | PF | 26 | 14 | 40 | 9 | 3 | 12 | 35 | 17 | 52 |
| Horticulture | Vegetables cultivation | Training Programme On Cultivation Of Vegetables | 11 July 2018 | 1 | Chamuapara | PF | 11 | 2 | 13 | 32 | 7 | 39 | 43 | 9 | 52 |
| Horticulture | Organic cultivation | Organic cultivation of winter vegetables | 30 October 2018 | 1 | Tanglagaon | PF | 0 | 0 | 0 | 28 | 29 | 57 | 28 | 29 | 57 |
| Soil Science | Soil and water testing | Soil testing for management of soil health and sustainable crop productivity | 04 October 2018 | 1 | Nalkhamra | PF | 4 | 1 | 5 | 5 | 15 | 20 | 9 | 16 | 25 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 14 October 2018 | 1 | Borigaon, Udalguri | PF | 0 | 0 | 0 | 20 | 5 | 25 | 20 | 5 | 25 |
| Soil Science | ICM | Scientific cultivation of seasamum under CFLD | 20 August 2018 | 1 | Udalguri | PF | 5 | 1 | 6 | 12 | 2 | 14 | 17 | 3 | 20 |
| Soil Science | ICM | Scientific cultivation of Toria under CFLD | 09 November 2018 | 1 | Daiphang | PF | 1 | 0 | 1 | 41 | 0 | 41 | 42 | 0 | 42 |
| Soil Science | Production of organic inputs | Training Programmes In Vermi Composting | 19 June 2018 | 1 | Dowamokha | PF | 13 | 3 | 16 | 16 | 25 | 41 | 29 | 28 | 57 |
| Soil Science | Production of organic inputs | Training Programmes In Vermi Composting | 08 June 2018 | 1 | Majorgaon (Mazgaon) | PF | 0 | 0 | 0 | 58 | 0 | 58 | 58 | 0 | 58 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 02 October 2018 | 1 | Sarbaherua | PF | 1 | 0 | 1 | 3 | 46 | 49 | 4 | 46 | 50 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 22 November 2018 | 1 | Gelabil | PF | 17 | 5 | 22 | 20 | 8 | 28 | 37 | 13 | 50 |
| Soil Science | Soil and water testing | Soil testing for management of soil health and crop production | 30 November 2018 | 1 | Balisiha Jungle | PF | 11 | 0 | 11 | 27 | 6 | 33 | 38 | 6 | 44 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 02 December 2018 | 1 | Rowtamukh | PF | 1 | 0 | 1 | 3 | 46 | 49 | 4 | 46 | 50 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 20 December 2018 | 1 | Kalbari Habi | PF | 34 | 12 | 46 | 6 | 0 | 6 | 40 | 12 | 52 |
| Soil Science | Production of organic inputs | Vermicompost production technology | 23 December 2018 | 1 | Daulchuba | PF | 0 | 0 | 0 | 48 | 2 | 50 | 48 | 2 | 50 |
| Plant Protection | Bee keeping | Training Programmes In Bee Keeping | 27 June 2018 | 1 | Bheguri | PF | 12 | 2 | 14 | 47 | 2 | 49 | 59 | 4 | 63 |
| Plant Protection | Bee keeping | Training Programmes In Bee Keeping | 07 July 2018 | 1 | Naptipara | PF | 29 | 0 | 29 | 33 | 0 | 33 | 62 | 0 | 62 |
| Plant Protection | Bee keeping | Training Programmes In Bee Keeping | 04 June 2018 | 1 | Kachurabari Habi | PF | 44 | 0 | 44 | 6 | 0 | 6 | 50 | 0 | 50 |
| Plant Protection | Bee keeping | Training Programmes In Bee Keeping | 04 July 2018 | 1 | Dhip Bichara | PF | 100 | 0 | 100 | 0 | 0 | 0 | 100 | 0 | 100 |
| Plant Protection | Bee keeping | Training Programmes In Bee Keeping | 14 July 2018 | 1 | Morabegarpar | PF | 77 | 16 | 93 | 2 | 0 | 2 | 79 | 16 | 95 |
| Plant Protection | Mushroom production | Training Programmes In Mushroom Cultivation | 07 June 2018 | 1 | Kundarbil No.3 | PF | 39 | 1 | 40 | 4 | 0 | 4 | 43 | 1 | 44 |
| Plant Protection | Mushroom production | Training Programmes In Mushroom Cultivation | 22 June 2018 | 1 | No.2 Kalaigaon Bagich | PF | 49 | 28 | 77 | 9 | 1 | 10 | 58 | 29 | 87 |
| Plant Protection | Mushroom production | Training Programmes In Mushroom Cultivation | 06 July 2018 | 1 | No.2 Mazbat T.E. | PF | 38 | 12 | 50 | 40 | 12 | 52 | 78 | 24 | 102 |
| Plant Protection | Mushroom production | Training Programmes In Mushroom Cultivation | 10 July 2018 | 1 | Sastrapara | PF | 9 | 2 | 11 | 28 | 7 | 35 | 37 | 9 | 46 |
| Plant Protection | Mushroom production | Training Programmes In Mushroom Cultivation | 19 July 2018 | 1 | Sastrapara | PF | 3 | 4 | 7 | 29 | 20 | 49 | 32 | 24 | 56 |
| Plant Protection | IPM | Training Programmes For IPM In Cereals | 25 June 2018 | 1 | Batiamari | PF | 14 | 0 | 14 | 30 | 0 | 30 | 44 | 0 | 44 |
| Plant Protection | IPM | Training Programmes For IPM In Cereals | 18 July 2018 | 1 | No.1 Geruajhar | PF | 126 | 4 | 130 | 3 | 0 | 3 | 129 | 4 | 133 |
| Animal Science | Poultry management | Backyard poultry farming | 21 September 2018 | 1 | Daifang | PF | 24 | 4 | 28 | 0 | 0 | 0 | 24 | 4 | 28 |
| Animal Science | Dairy management | Common diseases of cattle and their prevention | 03 October 2018 | 1 | Panikhaity | PF | 14 | 4 | 18 | 0 | 0 | 0 | 14 | 4 | 18 |
| Animal Science | Poultry management | Scientific poultry farming for self employement | 4-8 Oct, 2018 | 5 | Nalkhamra | RY | 4 | 0 | 4 | 6 | 18 | 24 | 10 | 18 | 28 |
| Animal Science | Poultry management | Common diseases of poultry and their prevention | 14 December 2018 | 1 | 2 No. Sapkhaity | PF | 2 | 0 | 2 | 17 | 6 | 23 | 19 | 6 | 25 |
| Animal Science | Goat management | Scientific rearing of Goat | 15-17 Dec, 2018 | 2 | Jhargaon, Khoirabari | RY | 7 | 1 | 8 | 17 | 0 | 17 | 24 | 1 | 25 |
| Animal Science | Poultry management | Broiler farm Management | 23 December 2018 | 1 | Daulchuba | RY | 0 | 0 | 0 | 25 | 0 | 25 | 25 | 0 | 25 |
| Animal Science | Poultry management | Backyard poultry farming | 23 June 2018 | 1 | Borkola Bagicha | PF | 61 | 15 | 76 | 1 | 1 | 2 | 62 | 16 | 78 |
| Fisheries | Scientific fish farming | Training Programmes In Fisheries/Animal Science | 23 June 2018 | 1 | Barkalabagicha | PF | 61 | 15 | 76 | 2 | 0 | 2 | 63 | 15 | 78 |
| Fisheries | Scientific fish farming | Scientific fish farming | 12 June 2018 | 1 | Ganakpara | PF | 28 | 22 | 50 | 0 | 0 | 0 | 28 | 22 | 50 |
| Fisheries | Scientific fish farming | Scientific fish farming for self employment | 09 October 2018 | 1 | Deurigaon | PF | 0 | 0 | 0 | 30 | 26 | 56 | 30 | 26 | 56 |
| Fisheries | IFS | Integrated fish cum duck farming system | 15 October 2018 | 1 | Gerua | PF | 0 | 0 | 0 | 0 | 33 | 33 | 0 | 33 | 33 |
| Fisheries | Scientific fish farming | Scientific fish farming | 26 October 2018 | 1 | Chutiapara | PF | 0 | 0 | 0 | 17 | 46 | 63 | 17 | 46 | 63 |
| Fisheries | Scientific fish farming | Scientific fish farming | 07 December 2018 | 1 | Merabil | PF | 41 | 7 | 48 | 2 | 0 | 2 | 43 | 7 | 50 |
| Fisheries | Fish health management | Fish diseases and their management | 08 December 2018 | 1 | Merabil | PF | 40 | 0 | 40 | 1 | 0 | 1 | 41 | 0 | 41 |
| Fisheries | Scientific fish farming | Scientific fish farming | 12 December 2018 | 1 | Khagrabill | PF | 50 | 0 | 50 | 0 | 0 | 0 | 50 | 0 | 50 |
| Fisheries | Scientific fish farming | Scientific fish farming | 14 December 2018 | 1 | Kuhiarkuchi | PF | 0 | 6 | 6 | 13 | 21 | 34 | 13 | 27 | 40 |
| Fisheries | Fish processing and value addition | Construction of Simple low cost solar tent drier for fish drying | 22-23 Jan, 2019 | 2 | Hirabari | PF | 0 | 0 | 0 | 20 | 5 | 25 | 20 | 5 | 25 |
| Fisheries | Fish processing and value addition | Fish product development and value addition | 22-25 Mar, 2019 | 4 | Bhergaon | FW | 0 | 0 | 0 | 0 | 23 | 23 | 0 | 23 | 23 |
| Fisheries | IFS | Integrated Fish farming system | 29 March 2019 | 1 | Bhergaon | PF | 0 | 0 | 0 | 25 | 0 | 25 | 25 | 0 | 25 |
| Fisheries | Scientific fish farming | Scientific fish farming | 30 March 2019 | 1 | Bhergaon | PF | 3 | 0 | 3 | 25 | 0 | 25 | 28 | 0 | 28 |
| Agril Economics | Value addition | Entrepreunership development through processing of minor fruits | 29 Oct -02 Nov, 2018 | 5 | Kacharitol | FW | 0 | 0 | 0 | 23 | 2 | 25 | 23 | 2 | 25 |
| Agril Economics | Income generation activities | Entrepreunership development through mushroom processing and marketing | 13-14 Nov, 2018 | 2 | Udalguri town | RY | 1 | 0 | 1 | 14 | 11 | 25 | 15 | 11 | 26 |
| Agril Economics | Formation and management of SHG | Formation and management of farmers producer company | 21 November 2018 | 1 | Purani Tangla | PF | 1 | 0 | 1 | 23 | 1 | 24 | 24 | 1 | 25 |
| Agril Economics | Income generation activities | Preparation and marketing of organic holi color | 27 November 2018 | 1 | 2 No. Borigaon | PF | 0 | 0 | 0 | 9 | 16 | 25 | 9 | 16 | 25 |
| Agril Economics | Income generation activities | Preparation and marketing of organic holi color | 28 November 2018 | 1 | Murakhat | FW | 0 | 1 | 1 | 0 | 37 | 37 | 0 | 38 | 38 |
| Agril Economics | Entrepreneurial development of rural youth | Entrepreunership development through mushroom processing and marketing | 29-30 Nov, 2018 | 2 | Nalkhamra | RY | 2 | 6 | 8 | 9 | 8 | 17 | 11 | 14 | 25 |
| Agril Economics | Formation and management of SHG | Formation and management of farmers producer company | 02 January 2019 | 1 | Kuhiarkuchi | PF | 0 | 8 | 8 | 9 | 8 | 17 | 9 | 16 | 25 |
| Agril Economics | Income generation activities | Strengthening of women SHGs through handmade Décor Items | 26-29 Mar, 2019 | 4 | Kalbari | FW | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 25 | 25 |
| Agril Economics | Entrepreneurial development of rural farmers | Training Programmes In Mushroom Cultivation | 05 July 2018 | 1 | Anadhowapara | PF | 21 | 16 | 37 | 17 | 3 | 20 | 38 | 19 | 57 |
| Agril Economics | Value addition | Value addition of fruits and vegetables | 16 July 2018 | 1 | Barbali Sitha | PF | 0 | 0 | 0 | 68 | 8 | 76 | 68 | 8 | 76 |
| Agril Economics | Income generation activities | Processing and marking of mushroom | 25 October 2018 | 1 | Panikhaity | PF | 0 | 0 | 0 | 68 | 8 | 76 | 68 | 8 | 76 |
| Agril Economics | Value addition | Value addition of minor fruits | 29 October 2018 | 1 | Kacharitol | PF | 0 | 0 | 0 | 4 | 41 | 45 | 4 | 41 | 45 |
| Agril Economics | Income generation activities | Production technology and value addition of mushroom | 27 November 2018 | 1 | No. 2 Borigaon | PF | 0 | 0 | 0 | 13 | 18 | 31 | 13 | 18 | 31 |
| Agril Economics | Entrepreneurial development of rural farmers | Mushroom Cultivation | 28 November 2018 | 1 | Tanglagaon | PF | 0 | 18 | 18 | 15 | 26 | 41 | 15 | 44 | 59 |
| Agril Economics | Entrepreneurial development of rural farmers | Mushroom Cultivation | 29 November 2018 | 1 | Nalkamra | PF | 7 | 8 | 15 | 15 | 20 | 35 | 22 | 28 | 50 |
| Animal Science | Poultry amnagement | Broiler farm management | 23 December 2018 | 1 | Daulchuba | PF | 0 | 0 | 0 | 40 | 7 | 47 | 40 | 7 | 47 |
| Agril Economics | Value addition | Production technology and value addition of mushroom | 15 December 2018 | 1 | No. 2 Botabari | PF | 44 | 3 | 47 | 3 | 0 | 3 | 47 | 3 | 50 |
| Community Science | Value addition | Value addition seasonal fruits and vegetables | 9-13 Oct, 2018 | 5 | Deurigaon | FW | 0 | 0 | 0 | 0 | 28 | 28 | 0 | 28 | 28 |
| Community Science | Value addition | Value addition seasonal fruits and vegetables | 29 Oct - 02 Nov, 2018 | 5 | Kacharitol | RY | 0 | 0 | 0 | 0 | 26 | 26 | 0 | 26 | 26 |
| Community Science | Design and development for high nutrient efficiency diet | Nutrification of traditional reciepies | 14 November 2018 | 2 | Dagarmakha | FW | 0 | 0 | 0 | 17 | 8 | 25 | 17 | 8 | 25 |
| Community Science | Location specific drudgery reduction technology | Drudgery reduction through work simplification | 21 November 2018 | 1 | Tanglagaon | F-FW | 0 | 0 | 0 | 24 | 1 | 25 | 24 | 1 | 25 |
| Community Science | Location specific drudgery reduction technology | Drudgery reduction through work simplification | 28 November 2018 | 1 | No. 2 Borigaon | FW | 0 | 2 | 2 | 0 | 23 | 23 | 0 | 25 | 25 |
| Community Science | Design and development for high nutrient efficiency diet | Nutrification of traditional reciepies | 01-03 Dec, 2018 | 2 | Rowtamukh | FW | 0 | 25 | 25 | 0 | 0 | 0 | 0 | 25 | 25 |
| Community Science | Value addition | Value addition of seasonal fruits and vegetables | 25-29 Mar, 2019 | 5 | Bogpuri | FW | 0 | 0 | 0 | 0 | 25 | 25 | 0 | 25 | 25 |
| Community Science | Household food security by kitchen gardening | Training Programmes In Kitchen Garden | 21 June 2018 | 1 | Christianpara | PF | 0 | 0 | 0 | 62 | 0 | 62 | 62 | 0 | 62 |
| Community Science | Household food security by kitchen gardening | Training Programmes In Kitchen Garden | 03 July 2018 | 1 | Kalikhola (Kalikhola NC) | PF | 40 | 60 | 100 | 2 | 0 | 2 | 42 | 60 | 102 |
| Community Science | Value addition | Training Programme On value addition of fruits and vegetables | 13 July 2018 | 1 | Dhansiri Khuti No.8 | PF | 0 | 27 | 27 | 0 | 17 | 17 | 0 | 44 | 44 |
| Community Science | Value addition | Value addition of fruits and vegetables | 13 October 2018 | 1 | Deurigaon | PF | 0 | 0 | 0 | 31 | 25 | 56 | 31 | 25 | 56 |
| Community Science | Household food security by kitchen gardening | Kitchen Garden | 21 November 2018 | 1 | Tanglagaon | PF | 2 | 0 | 2 | 40 | 9 | 49 | 42 | 9 | 51 |
| Community Science | Value addition | Value addition of fruits and vegetables | 27 November 2018 | 1 | No. 2 Borigaon | PF | 0 | 0 | 0 | 30 | 11 | 41 | 30 | 11 | 41 |
| Community Science | Household food security by kitchen gardening | Nutritional security through model kitchen garden | 30 November 2018 | 1 | Balisiha Jungle | PF | 10 | 0 | 10 | 30 | 0 | 30 | 40 | 0 | 40 |
| Community Science | Household food security by kitchen gardening | Nutritional security through model kitchen garden | 01 December 2018 | 1 | Rowtamukh | PF | 5 | 28 | 33 | 0 | 0 | 0 | 5 | 28 | 33 |
| Community Science | Value addition | Value additon of seasonal fruits and vegetables | 07 December 2018 | 1 | Merabil | PF | 37 | 22 | 59 | 0 | 0 | 0 | 37 | 22 | 59 |
| Community Science | Household food security by kitchen gardening | Kitchen Garden | 12 December 2018 | 1 | Khagrabill | PF | 43 | 3 | 46 | 5 | 0 | 5 | 48 | 3 | 51 |
| Community Science | Household food security by kitchen gardening | Nutritional security through model kitchen garden | 14 December 2018 | 1 | Kuhiarkuchi | PF | 0 | 0 | 0 | 36 | 4 | 40 | 36 | 4 | 40 |
| Community Science | Value addition | Value addition of fruits and vegetables | 15 December 2018 | 1 | No. 2 Botabari | PF | 42 | 9 | 51 | 0 | 0 | 0 | 42 | 9 | 51 |
| Community Science | Household food security by kitchen gardening | Nutritional security through model kitchen garden | 20 December 2018 | 1 | Kalbari Habi | PF | 32 | 5 | 37 | 10 | 2 | 12 | 42 | 7 | 49 |

## (D) Vocational training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Crop / Enterprise** | **Date (From – To)** | **Duration (days** | **Area of training** | **Training title\*** | **No. of Participants** | | | | | | | | | **Impact of training in terms of Self employment after training** | | | | **Whether Sponsored by external funding agencies (Please Specify with amount of fund in Rs.)** |
| **General** | | | **SC/ST** | | | **Total** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **Type of enterprise ventured into** | **Number of units** | **Number of persons employed** | **Avg. Annual income in Rs. generated through the enterprise** |
| Fisheries | 22-25 March, 2019 | 4 | Fish Processing and Value addition | Vocational training on Fish product develop and value addition | - | - | - | - | 23 | 23 | - | 23 | 23 |  |  |  |  | - |
| Community Science | 9-13 Oct, 2018 | 5 | Value addition | Value addition of seasonal fruits and vegetables | - | - | - | - | 28 | 28 | - | 28 | 28 |  |  |  |  | - |
| Community Science | 29 Oct – 2 Nov, 2018 | 5 | Value addition | Value addition of seasonal fruits and vegetables | - | - | - | - | 25 | 25 | - | 25 | 25 |  |  |  |  | - |
| Piggery | 13/9/2018 to  17/9/2018 | 5 | Piggery | Scientific pig farming for self employment- | 0 | 0 | 0 | 15 | 13 | 28 | 15 | 13 | 28 |  | 6 | 18 |  | No |
| NB: The training mentioned above as already been added in on and off campus trainings in earlier tables | | | | | | | | | | | | | | | | | | |

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

**Annexure 3: Only Sponsored Training Programmes (On, Off and Vocational)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **On/ Off/ Vocational** | Beneficiary group (F/ FW/ RY/ EP) | Date (From- To) | Duration (days) | Discipline | Area of training | Title | No. of Participants | | | | | | | | | **Sponsoring Agency** | **Amount of fund received (Rs.)** |
| General | | | SC/ST | | | Total | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |  |  |
| Off | PF | 05 July 2018 | 1 | Agril Economics | Under Krishi Kalyan Abhiyan  (KKA) | Training Programmes In Mushroom Cultivation | 21 | 16 | 37 | 17 | 3 | 20 | 38 | 19 | 57 | KKA-I |  |
| Off | PF | 16 July 2018 | 1 | Agril Economics | KKA | Value addition of seasonal fruits and vegetables | 0 | 0 | 0 | 68 | 8 | 76 | 68 | 8 | 76 | KKA-I |  |
| Off | PF | 25 October 2018 | 1 | Agril Economics | KKA | Processing and marking of mushroom | 0 | 0 | 0 | 68 | 8 | 76 | 68 | 8 | 76 | KKA-II |  |
| Off | PF | 29 October 2018 | 1 | Agril Economics | KKA | Value addition of minor fruits | 0 | 0 | 0 | 4 | 41 | 45 | 4 | 41 | 45 | KKA-II |  |
| Off | PF | 27 November 2018 | 1 | Agril Economics | KKA | Production technology and value addition of mushroom | 0 | 0 | 0 | 13 | 18 | 31 | 13 | 18 | 31 | KKA-II |  |
| Off | PF | 28 November 2018 | 1 | Agril Economics | KKA | Mushroom Cultivation | 0 | 18 | 18 | 15 | 26 | 41 | 15 | 44 | 59 | KKA-II |  |
| Off | PF | 29 November 2018 | 1 | Agril Economics | KKA | Mushroom Cultivation | 7 | 8 | 15 | 15 | 20 | 35 | 22 | 28 | 50 | KKA-II |  |
| Off | PF | 23 December 2018 | 1 | Animal Science | KKA | Broiler farm management | 0 | 0 | 0 | 40 | 7 | 47 | 40 | 7 | 47 | KKA-II |  |
| Off | PF | 15 December 2018 | 1 | Agril Economics | KKA | Production technology and value addition of mushroom | 44 | 3 | 47 | 3 | 0 | 3 | 47 | 3 | 50 | KKA-II |  |
| Off | PF | 24-25 May, 2018 | 2 | Agronomy | KKA | Scientific practices and mechanization of Kharif Rice | 0 | 0 | 0 | 19 | 1 | 20 | 19 | 1 | 20 | TSP |  |
| Off | PF | 29 May 2018 | 1 | Agronomy | KKA | Scientific practices and mechanization of Kharif Rice | 0 | 0 | 0 | 19 | 1 | 20 | 19 | 1 | 20 | TSP |  |
| Off | PF | 30 May 2018 | 1 | Agronomy | KKA | Rice cultivation for seed certification | 0 | 0 | 0 | 32 | 0 | 32 | 32 | 0 | 32 | TSP |  |
| On | PF | 26-28 July, 2018 | 3 | Agronomy | KKA | Vermicompost production technology | 25 | 0 | 25 | 22 | 1 | 23 | 47 | 1 | 48 | KKA-I |  |
| Off | PF | 13 June 2018 | 1 | Agronomy | KKA | Training Programmes For INM In Cereals | 12 | 2 | 14 | 37 | 16 | 53 | 49 | 18 | 67 | KKA-I |  |
| Off | PF | 23 June 2018 | 1 | Animal Science | KKA | Backyard poultry farming | 61 | 15 | 76 | 1 | 1 | 2 | 62 | 16 | 78 | KKA-II |  |
| On | PF | 02 November 2018 | 1 | Animal Science | KKA | Improved duck management | 0 | 0 | 0 | 1 | 29 | 30 | 1 | 29 | 30 | TSP |  |
| Off | PF | 23 June 2018 | 1 | Fisheries | KKA | Backyard poultry farming | 61 | 15 | 76 | 2 | 0 | 2 | 63 | 15 | 78 | KKA-I |  |
| Off | PF | 12 June 2018 | 1 | Fisheries | KKA | Training Programmes scientific fish farming | 28 | 22 | 50 | 0 | 0 | 0 | 28 | 22 | 50 | KKA-I |  |
| Off | PF | 09 October 2018 | 1 | Fisheries | KKA | Scientific fish farming for self employement | 0 | 0 | 0 | 30 | 26 | 56 | 30 | 26 | 56 | KKA-II |  |
| Off | PF | 15 October 2018 | 1 | Fisheries | KKA | Integrated fish cum duck farming system | 0 | 0 | 0 | 0 | 33 | 33 | 0 | 33 | 33 | KKA-II |  |
| Off | PF | 26 October 2018 | 1 | Fisheries | KKA | Scientific fish farming | 0 | 0 | 0 | 17 | 46 | 63 | 17 | 46 | 63 | KKA-II |  |
| Off | PF | 07 December 2018 | 1 | Fisheries | KKA | Scientific fish farming | 41 | 7 | 48 | 2 | 0 | 2 | 43 | 7 | 50 | KKA-II |  |
| Off | PF | 08 December 2018 | 1 | Fisheries | KKA | Fish diseases and their management | 40 | 0 | 40 | 1 | 0 | 1 | 41 | 0 | 41 | KKA-II |  |
| Off | PF | 12 December 2018 | 1 | Fisheries | KKA | Scientific fish farming | 50 | 0 | 50 | 0 | 0 | 0 | 50 | 0 | 50 | KKA-II |  |
| Off | PF | 14 December 2018 | 1 | Fisheries | KKA | Scientific fish farming | 0 | 6 | 6 | 13 | 21 | 34 | 13 | 27 | 40 | KKA-II |  |
| On | PF | 29 December 2018 | 1 | Fisheries | KKA | Training and demonstration of integrated farming system | 15 | 0 | 15 | 13 | 1 | 14 | 28 | 1 | 29 | KKA-II |  |
| Off | FW | 22-25 Mar, 2019 | 4 | Fisheries | KKA | Fish product development and value addition | 0 | 0 | 0 | 0 | 23 | 23 | 0 | 23 | 23 | Vocational |  |
| Off | PF | 29 March 2019 | 1 | Fisheries | KKA | Integrated Fish farming system | 0 | 0 | 0 | 25 | 0 | 25 | 25 | 0 | 25 | TSP |  |
| Off | PF | 30 March 2019 | 1 | Fisheries | KKA | Scientific fish farming | 3 | 0 | 3 | 25 | 0 | 25 | 28 | 0 | 28 | TSP (CoFs) |  |
| Off | PF | 21 June 2018 | 1 | Community Science | KKA | Training Programmes In Kitchen Garden | 0 | 0 | 0 | 62 | 0 | 62 | 62 | 0 | 62 | KKA-I |  |
| Off | PF | 03 July 2018 | 1 | Community Science | KKA | Training Programmes In Kitchen Garden | 40 | 60 | 100 | 2 | 0 | 2 | 42 | 60 | 102 | KKA-I |  |
| Off | PF | 13 July 2018 | 1 | Community Science | KKA | Training Programme On Value Addition of fruits and vegetables | 0 | 27 | 27 | 0 | 17 | 17 | 0 | 44 | 44 | KKA-I |  |
| Off | PF | 13 October 2018 | 1 | Community Science | KKA | Value addition of fruits and vegetables | 0 | 0 | 0 | 31 | 25 | 56 | 31 | 25 | 56 | KKA-II |  |
| Off | PF | 21 November 2018 | 1 | Community Science | KKA | Kitchen Garden | 2 | 0 | 2 | 40 | 9 | 49 | 42 | 9 | 51 | KKA-II |  |
| Off | PF | 27 November 2018 | 1 | Community Science | KKA | Value addition of fruits and vegetables | 0 | 0 | 0 | 30 | 11 | 41 | 30 | 11 | 41 | KKA-II |  |
| Off | PF | 30 November 2018 | 1 | Community Science | KKA | Nutritional security through model kitchen garden | 10 | 0 | 10 | 30 | 0 | 30 | 40 | 0 | 40 | KKA-II |  |
| Off | PF | 01 December 2018 | 1 | Community Science | KKA | Nutritional security through model kitchen garden | 5 | 28 | 33 | 0 | 0 | 0 | 5 | 28 | 33 | KKA-II |  |
| Off | PF | 07 December 2018 | 1 | Community Science | KKA | Value additon of seasonal fruits and vegetables | 37 | 22 | 59 | 0 | 0 | 0 | 37 | 22 | 59 | KKA-II |  |
| Off | PF | 12 December 2018 | 1 | Community Science | KKA | Kitchen Garden | 43 | 3 | 46 | 5 | 0 | 5 | 48 | 3 | 51 | KKA-II |  |
| Off | PF | 14 December 2018 | 1 | Community Science | KKA | Nutritional security through model kitchen garden | 0 | 0 | 0 | 36 | 4 | 40 | 36 | 4 | 40 | KKA-II |  |
| Off | PF | 15 December 2018 | 1 | Community Science | KKA | Value addition of fruits and vegetables | 42 | 9 | 51 | 0 | 0 | 0 | 42 | 9 | 51 | KKA-II |  |
| Off | PF | 20 December 2018 | 1 | Community Science | KKA | Nutritional security through model kitchen garden | 32 | 5 | 37 | 10 | 2 | 12 | 42 | 7 | 49 | KKA-II |  |
| Off | PF | 15 September 2018 | 1 | Horticulture | KKA | Production Technology of Blackgram | 21 | 0 | 21 | 0 | 0 | 0 | 21 | 0 | 21 | CFLD |  |
| Off | PF | 29 June 2018 | 1 | Horticulture | KKA | Training Programme On Off Season Cultivation Of Vegetables | 0 | 0 | 0 | 90 | 10 | 100 | 90 | 10 | 100 | KKA-I |  |
| Off | PF | 17 July 2018 | 1 | Horticulture | KKA | Training Programme On Cultivation Of Vegetables | 41 | 0 | 41 | 19 | 0 | 19 | 60 | 0 | 60 | KKA-I |  |
| Off | PF | 12 July 2018 | 1 | Horticulture | KKA | Training Programme On Cultivation Of Vegetables | 26 | 14 | 40 | 9 | 3 | 12 | 35 | 17 | 52 | KKA-I |  |
| Off | PF | 11 July 2018 | 1 | Horticulture | KKA | Training Programme On Cultivation Of Vegetables | 11 | 2 | 13 | 32 | 7 | 39 | 43 | 9 | 52 | KKA-I |  |
| Off | PF | 30 October 2018 | 1 | Horticulture | KKA | Organic cultivation of winter vegetables | 0 | 0 | 0 | 28 | 29 | 57 | 28 | 29 | 57 | KKA-II |  |
| Off | PF | 27 June 2018 | 1 | Plant Protection | KKA | Training Programmes In Bee Keeping | 12 | 2 | 14 | 47 | 2 | 49 | 59 | 4 | 63 | KKA-I |  |
| Off | PF | 07 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Bee Keeping | 29 | 0 | 29 | 33 | 0 | 33 | 62 | 0 | 62 | KKA-I |  |
| Off | PF | 04 June 2018 | 1 | Plant Protection | KKA | Training Programmes In Bee Keeping | 44 | 0 | 44 | 6 | 0 | 6 | 50 | 0 | 50 | KKA-I |  |
| Off | PF | 04 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Bee Keeping | 100 | 0 | 100 | 0 | 0 | 0 | 100 | 0 | 100 | KKA-I |  |
| Off | PF | 14 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Bee Keeping | 77 | 16 | 93 | 2 | 0 | 2 | 79 | 16 | 95 | KKA-I |  |
| Off | PF | 07 June 2018 | 1 | Plant Protection | KKA | Training Programmes In Mushroom Cultivation | 39 | 1 | 40 | 4 | 0 | 4 | 43 | 1 | 44 | KKA-I |  |
| Off | PF | 22 June 2018 | 1 | Plant Protection | KKA | Training Programmes In Mushroom Cultivation | 49 | 28 | 77 | 9 | 1 | 10 | 58 | 29 | 87 | KKA-I |  |
| Off | PF | 06 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Mushroom Cultivation | 38 | 12 | 50 | 40 | 12 | 52 | 78 | 24 | 102 | KKA-I |  |
| Off | PF | 10 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Mushroom Cultivation | 9 | 2 | 11 | 28 | 7 | 35 | 37 | 9 | 46 | KKA-I |  |
| Off | PF | 19 July 2018 | 1 | Plant Protection | KKA | Training Programmes In Mushroom Cultivation | 3 | 4 | 7 | 29 | 20 | 49 | 32 | 24 | 56 | KKA-I |  |
| Off | PF | 25 June 2018 | 1 | Plant Protection | KKA | Training Programmes For IPM In Cereals | 14 | 0 | 14 | 30 | 0 | 30 | 44 | 0 | 44 | KKA-I |  |
| Off | PF | 18 July 2018 | 1 | Plant Protection | KKA | Training Programmes For IPM In Cereals | 126 | 4 | 130 | 3 | 0 | 3 | 129 | 4 | 133 | KKA-I |  |
| On | RY | 18 Feb - 20 Mar, 2018 | 25 | Soil Science | KKA | Skill development programme on vermi compost producer | 11 | 2 | 13 | 7 | 0 | 7 | 18 | 2 | 20 | ASCI |  |
| Off | PF | 14 October 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 0 | 0 | 0 | 20 | 5 | 25 | 20 | 5 | 25 | TSP |  |
| Off | PF | 20 August 2018 | 1 | Soil Science | KKA | Scientific cultivation of seasamum under CFLD | 5 | 1 | 6 | 12 | 2 | 14 | 17 | 3 | 20 | CFLD |  |
| Off | PF | 09 November 2018 | 1 | Soil Science | KKA | Scientific cultivation of Toria under CFLD | 1 | 0 | 1 | 41 | 0 | 41 | 42 | 0 | 42 | CFLD |  |
| Off | PF | 19 June 2018 | 1 | Soil Science | KKA | Training Programmes In Vermi Composting | 13 | 3 | 16 | 16 | 25 | 41 | 29 | 28 | 57 | KKA-I |  |
| Off | PF | 08 June 2018 | 1 | Soil Science | KKA | Training Programmes In Vermi Composting | 0 | 0 | 0 | 58 | 0 | 58 | 58 | 0 | 58 | KKA-I |  |
| Off | PF | 02 October 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 1 | 0 | 1 | 3 | 46 | 49 | 4 | 46 | 50 | KKA-II |  |
| Off | PF | 22 November 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 17 | 5 | 22 | 20 | 8 | 28 | 37 | 13 | 50 | KKA-II |  |
| Off | PF | 30 November 2018 | 1 | Soil Science | KKA | Soil testing for management of soil health and crop production | 11 | 0 | 11 | 27 | 6 | 33 | 38 | 6 | 44 | KKA-II |  |
| Off | PF | 02 December 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 1 | 0 | 1 | 3 | 46 | 49 | 4 | 46 | 50 | KKA-II |  |
| Off | PF | 20 December 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 34 | 12 | 46 | 6 | 0 | 6 | 40 | 12 | 52 | KKA-II |  |
| Off | PF | 23 December 2018 | 1 | Soil Science | KKA | Vermicompost production technology | 0 | 0 | 0 | 48 | 2 | 50 | 48 | 2 | 50 | KKA-II |  |

**3.4. Extension Activities (including activities of FLD programmes) (Please mention specific Extension Activity conducted by the KVK such as Field Day, Kisan Mela, Exhibition, Diagnostic Visit, etc) during 2018-19**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Extension Activity** | **Topic** | **Date and duration** | **No. of activities** | **Participants** | | | | | | | | | | | |
| **General**  **(1)** | | | **SC/ST**  **(2)** | | | **Extension Officials**  **(3)** | | | **Grand Total**  **(1+2)** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
|  | Advisory services | Agronomy, Horticulture, Plant Protection, Soil Science, Animal Science, Community Science, Agril. Economics etc | Round the Year | 195 | 36 | 20 | 56 | 125 | 45 | 170 | - | - | - | 161 | 65 | 226 |
|  | Diagnostic visit | Different diseases and management of livestock and poultry, diagnosis of armyworm at field, pest and disease management of field crops and vegetable crops, fish mortality and low production etc. | Round the year | 130 | 59 | 11 | 70 | 148 | 60 | 208 | - | - | - | 207 | 71 | 278 |
|  | Field day | Fish-horti farming, Blackgram,  INM in scented Sali paddy (Var.Bakul Joha), Oilseed under NMOOP- crop: Toria TS-67 | 15.05.2018  13.12.2018  14.12.2018  07.02.2019 | 4 | 13 | 1 | 14 | 70 | 21 | 91 | - | - | - | 83 | 22 | 105 |
|  | Group Discussion | IFS, Doubling farmers Income,  Scientific housing of duck,  Scientific rearing of quail | 11.11.2018  27.03.2019  30.10.2018  02.12.2018 | 4 | 10 | 2 | 12 | 75 | 8 | 83 | - | - | - | 85 | 10 | 95 |
|  | Kishan Gosthi | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** | **-** |
|  | Kishan Mela | District Kisan Mela | 27.02.2019 | 1 | 200 | 100 | 300 | 500 | 110 | 610 | 50 | 10 | 60 | 750 | 220 | 970 |
|  | Film show | Webcasting of PM Speech , Petroleum Conservation,  Pre Rabi Campaign, | 20.06.2018  14.10.2018  24.02.2019 | 3 | 75 | 15 | 90 | 250 | 110 | 360 | 18 | 2 | 20 | 343 | 127 | 470 |
|  | SHG formation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Exhibition | Kisan Mela cum Exhibition,  Pre Rabi Campaign,  PCRA,  Kisan Mela organized by Udalguri Farmers Society,  Manipur,  ATARI- Guwahati | 27.02.2019,  26.08.2017,  14.10.2018  18-22 Dec, 18,  11-13 Jan, 2019 | 6 |  |  |  |  |  |  |  |  |  |  |  | Mass |
|  | Scientists visit to farmers fields | Agronomy, Horticulture, Plant Protection, Soil Science, Animal Science, Fisheries, Community Science, Agril. Economics etc | Round the year | 193 | 54 | 19 | 73 | 135 | 40 | 175 | - | - | - | 189 | 59 | 248 |
|  | Plant/ Animal Health camp | Animal Health Camp in doubling farmers income village | 20.06.2018 | 1 | - | - | - | 6 | 20 | 26 | - | - | - | 6 | 20 | 26 |
|  | Farm science club | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Ex-trainee Sammelan | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Farmers seminar/ workshop | - | - | - | - | - | - | - | - | - | - | -- |  | - | - | - |
|  | Method demonstration | Preparation of Solar Tent Drier,  Preparation of Fish Pickle  Biofertilizer Application | 22.01.2019  22.03.2019  04.08.2018 | 3 | 4 | 4 | 8 | 11 | 31 | 42 | - | - | - | 15 | 46 | 61 |
|  | Celebration of important days | World Environment Day,  AAU Foundation day,  Swatchata Hi Seva,  Farm Women Day,  World Food Day,  World Soil Day,  International women day,  Republic day,  Independence day,  KVK foundation day | 05.06.2018,  01.04.2019,  23.12.2018,  15.10.2018,  16.10.2018,  05.12.2018,  08.03.2019,  26.01.2019,  15.08.2018,  23.03.2019 | 10 | 40 | 30 | 70 | 150 | 100 | 250 | 15 | 5 | 20 | 205 | 135 | 340 |
|  | Exposure visits | PCRA, Kahikuchi | 23.11.2018 | 1 | - | - | - | 28 | 7 | 35 | - | - | - | 28 | 7 |  |
|  | Electronic media (CD/DVD) | - | - | - | - | - | - | - | - | - | - | - | - | - | - |  |
|  | Extension literature |  | 12 |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | Newspaper coverage | Different newspaper, megazines | 18 |  |  |  |  |  |  |  |  |  |  |  |  | Mass |
|  | Popular articles | 1. Scientific fish farming 2. Hydroponic fodder- A scope for livestock farmers | 2 |  |  |  |  |  |  |  |  |  |  |  |  | Mass |
|  | Radio talk | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | TV talk | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Training manual | 1. Masor Mulya sangjujit khadya drabya utpadan aru taar bybaharik dis. 2. Kesusar prastut pranali aru iyar bybohar | 2 nos.  (150 copies) |  |  |  |  |  |  |  |  |  |  |  |  | Mass |
|  | Soil health camp | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Awareness camp | Awareness cum workshop on Petroleum Conservation Research Association | 07.12.18  14.12.18 | 02 | - | - | - | - | - | - | - | - | - | - | - | 80 |
|  | Lecture delivered as resource person | Organic farming & promising technologies, Doubling Farmers Income, Krishi Sakhi,  Coconut Cultivation  Pasu Sakhi  Agricultural seminar  Diary cum goatery  Doubling farmers Income  Kitchen Garden  Agri Business & Entrepreneurship development  Organic Farming,  Organic Agriculture  Impact of Injudicious application of agrochemicals in agriculture | 28.04.2018,  02.05.2018 (6 nos.),  21.08.2018  (2 nos),  24.08.2018  (2 nos),  25.08.2018  (2 nos),  22.09.2018  27.08.2018 to 01.09.2018 (6 nos.)  11.11.2018  20.12.2018 (2 nos.)  21.12.2018  10.01.2019  02.02.2019  18.01.2019  12.01.2019  16.02.2019 | 29 | 740 | 312 | 1052 | 1985 | 1001 | 2986 | 171 | 25 | 196 | 2896 | 1338 | 4234 |
|  | PRA |  | 2 | 2 |  |  |  |  |  |  |  |  |  |  |  | 50 |
|  | Farmer-Scientist interaction | Dairy management, Integrated farming system,  Pre Rabi campaign,  Kisan Mela | 20.12.2018,  24.02.2019,  27.02.2019 | 4 |  |  |  |  |  |  |  |  |  |  |  | Mass |
|  | Soil test campaign | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Mahila Mandal Convener meet | - | - | - | - | - | - | - | - | - | - | - | - | - | - | - |
|  | Any other (Please specify) | See rows below- |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  | 100% Coverage Of Bovine Vaccination(FMD) In Each Village | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 16633 |
|  | 100% Coverage Of Sheep And Goat For Eradication Of PPR | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 8944 |
|  | Artificial Insemination Saturation | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 310 |
|  | Demonstrations Of Integrated Cropping Practice | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 52 |
|  | Distribution Of Horticulture/Agro Forestry/Bamboo Plant @ 5 Per Family(Location Appropriate) | - | - | - | - | - | - | - | - | - | - | - | - | - | - | 12600 |
|  | Distribution Of Mini Kits Of Pulses And Oilseeds Or Paddy |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 2432 |
|  | Distribution Of Soil Health Cards |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 8635 |
|  | Distributions Of 10 To 20 Agriculture Implements Per Village |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 295 |
|  | Making NADEP Pits In Each Village |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 375 |
|  | Training Programmes (Total 60 nos.) |  |  |  |  |  |  |  |  |  |  |  |  |  |  | 3467 |
| **Grand Total** | |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

**3.5 Production and supply of Technological products during 2018-19**

**A. SEED MATERIALS**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Crop** | **Variety** | **Quantity (qt)** | **Value (Rs.)** | **Number of recipient/ beneficiaries** | | |
| **General** | **SC/ST** | **Total** |
| **CEREALS** | Rice | *Ranjit Sub-1* | 45.00 | 1,71,000.00 | - | - | - |
|  |  |  |  |  |  |  |  |
| **OILSEEDS** | Toria | *TS-67* | 3.69 | 34,200.00 | - | - | - |
| **PULSES** |  |  |  |  |  |  |  |
| **VEGETABLES** |  |  |  |  |  |  |  |
| **FLOWER CROPS** |  |  |  |  |  |  |  |
| **OTHERS (Specify)** |  |  |  |  |  |  |  |
| **Total** |  |  | **48.69** | **2, 05,200.00** | **-** | **-** | **-** |

**A1. SUMMARY of Production and supply of Seed Materials during 2018-19**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Major group/class** | **Quantity (ton.)** | **Value (Rs.)** | **Number of recipient/ beneficiaries** | | |
| **General** | **SC/ST** | **Total** |
| 1 | CEREALS | 4.5 | 1,71000 | - | - | - |
| 2 | OILSEEDS | 0.36 | 3,4200 | - | - | - |
| 3 | PULSES |  |  |  |  |  |
| 4 | VEGETABLES |  |  |  |  |  |
| 5 | FLOWER CROPS |  |  |  |  |  |
| 6 | OTHERS |  |  |  |  |  |
| **TOTAL** | | **3.57** | **1,66,440.00** | Yet to sale |  |  |

**B. Production of Planting Materials(Nos. in lakh)**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Crop** | **Variety** | **Numbers (In Lakh)** | **Value (Rs.)** | **Number of recipient beneficiaries** | | |
| **General** | **SC/ST** | **Total** |
| **Fruits** | - |  |  |  |  |  |  |
| **Spices** | - |  |  |  |  |  |  |
| **Ornamental Plants** | - |  |  |  |  |  |  |
| **VEGETABLES** | - |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| **Forest Spp.** | - |  |  |  |  |  |  |
| **Plantation crops** | - |  |  |  |  |  |  |
| **Medicinal plants** | - |  |  |  |  |  |  |
| **OTHERS (Pl. Specify)** | Napier | Hybrid napier | 5000 | **5000.00** | **-** | **-** | **-** |

**B1. SUMMARY of Production and supply of Planting Materials (In Lakh) during 2018-19**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Major group/class** | **Numbers (In Lakh)** | **Value (Rs.)** | **Number of recipient beneficiaries** | | |
| **General** | **SC/ST** | **Total** |
| **1** | **Fruits** |  |  |  |  |  |
| **2** | **Spices** |  |  |  |  |  |
| **3** | **Ornamental Plants** |  |  |  |  |  |
| **4** | **VEGETABLES** |  |  |  |  |  |
| **5** | **Forest Spp.** |  |  |  |  |  |
| **6** | **Medicinal plants** |  |  |  |  |  |
| **7** | **Plantation crops** |  |  |  |  |  |
| **8** | **OTHERS (Specify)** | 5000 | 5000 | - | - | - |
| **TOTAL** | | 5000 | 5000 | - | - | - |

**C. Production of Bio-Products during 2018-19 Nil**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Major group/class** | **Product Name** | **Species** | **Quantity** | | **Value (Rs.)** | **Number of Recipient /beneficiaries** | | |
| **No** | **(qt)** |
| **General** | **SC/ST** | **Total** |
| **BIOAGENTS** |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| **BIOFERTILIZERS** | **VERMICOMPOST** | ***Eisenia foetida*** | **-** | **15** | **15000.00** | **-** | **-** | **-** |
| 1 |  |  |  |  |  |  |  |  |
| **BIO PESTICIDES** |  |  |  |  |  |  |  |  |
| 1 |  |  |  |  |  |  |  |  |

**C1. SUMMARY of production of bio-products during 2018-19: Nil**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Product Name** | **Species** | **Quantity** | | **Value (Rs.)** | **Number of Recipient beneficiaries** | | **Total number of Recipient beneficiaries** |
| **Nos** | **(kg)** | **General** | **SC/ST** |
| 1 | BIOAGENTS |  |  |  |  |  |  |  |
| 2 | BIO FERTILIZERS | **VERMICOMPOST** |  | **1500 kg** | **15000.00** | **-** | **-** | **-** |
| 3 | BIO PESTICIDE |  |  |  |  |  |  |  |
|  | **TOTAL** |  |  | **1500 kg** | **15000.00** | **-** | **-** | **-** |

**D. Production of livestock during 2018-19: Nil**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Type of livestock** | **Breed** | **Quantity** | | **Value (Rs.)** | **Number of Recipient beneficiaries** | | |
| **(Nos)** | **Kgs** |
| **General** | **SC/ST** | **Total** |
| 1 | **Cattle/ Dairy** |  |  |  |  |  |  |  |
| 2 | **Goat** |  |  |  |  |  |  |  |
| 3 | **Piggery** |  |  |  |  |  |  |  |
| 4 | **Poultry** |  |  |  |  |  |  |  |
| 5 | **Fisheries** |  |  |  |  |  |  |  |
| 6 | **Others (Specify)** |  |  |  |  |  |  |  |

**D1. SUMMARY of production of livestock during 2018-19: Nil**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Livestock category** | **Breed** | **Quantity** | | **Value (Rs.)** | **Number of Recipient beneficiaries** | | **Total number of Recipient beneficiaries** |
| **Nos.** | **(kg)** | **General** | **SC/ST** |
| 1 | CATTLE |  |  |  |  |  |  |  |
| 2 | SHEEP & GOAT |  |  |  |  |  |  |  |
| 3 | POULTRY |  |  |  |  |  |  |  |
| 4. | PIGGERY |  |  |  |  |  |  |  |
| 5 | FISHERIES |  |  |  |  |  |  |  |
| 6 | OTHERS (Pl. specify) |  |  |  |  |  |  |  |
|  | **TOTAL** |  |  |  |  |  |  |  |

**3.6. Literature Developed/Published (with full title, author & reference) during 2018-19**

(A) KVK News Letter ((Date of start, Periodicity, number of copies distributed etc.): NIL

(B) Articles/ Literature developed/published

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Item** | **Title/and Name of Journal** | | **Authors name** | **Number of copies** |
| Research papers | 1. Migratory behavior based traditional fish trapping devices of geme naga tribe of Dima Hasao district Assam   (Journal: Advances in bio research Vol. 9(4), July 2018) | | K Debnath, | - |
| 1. Simultaneous occurance of cerebrospinal nematodiasis and seteria microfilremia in cros bred goats from Assam (India), journal of Entomology and Zoology studies, Vol. 7 (2): 417-419 | | P Rajbongshi | - |
| 1. Investigation on ectoparasites of duck in Upper Assam, journal of Entomology and Zoology studies, Vol. 6 (5): 2443-2448 | | P Rajbongshi | - |
| 1. Introduction of climbing perch (*Anabes restudineus, Bloch*) in low Lying Rice field as a component of Integration for Doubling Farmers Income in Assam. Journal of community mobilization and sustainable Development Vol. 13(1):13-16, 2018 | | D Borah  Et al. | - |
| 1. Performance of different chemical formulations against late blight disease of potato in Udalguri district of Assam.International journal of applied agricultural sciences. Vol. 10(1):6348-6349, 2018 | | H. Rabha  B Rahman  S Bogohain  D Borah | - |
| 1. Performance of Khaki Campbell and local ducks in adopted villages for doubling farmers income at Udalguri district, Assam   Journal of The North East Veterinarian, Vol: XV17(3), ISSN No: 0973-2004,:35-37 | | D Bharali  D Borah |  |
| Training Mannual | 1. Masor Mulya sangjujit khadya drabya utpadan aru taar bybaharik dis | | KD Nath, D Borah, P Deka | 100 |
| 1. Kesusar prastut pranali aru iyar bybohar | | I Ojah, D Borah | 50 |
| Technical Report | Action plan, Annual Report, Monthly Report |  | |  |
| Book/ Book Chapter |  |  | |  |
| Popular article | Scientific fish farming | K Debnath | | Mass |
|  | Hydroponic fodder- A scope for livestock farmers | P Rajbongshi | | Mass |
| Technical Bulletin | **-** | **-** | | **-** |
| Extension Bulletin | **-** | **-** | | **-** |
| Newsletter | **-** | **-** | | **-** |
| Conference/ Workshop Proceddings | **-** | **-** | | **-** |
| Leaflet/ Folders | 1. Vermicompost production technology (Reprinted) | Dr. D. Borah, Dr. R. Saud, P. Bora | | 300 |
| 2. Dhanor keet patangar niyantran byabasthapana (Reprinted) | Mrs. H. Rabha, dr. D. Borah | | 300 |
| 3. Xu Shasthya sathik khadya (Reprinted) | P.Bora, Dr. P. Deka | | 300 |
| 4. Meen palonor barhik karmapanji | P. Saharia, Dr. D. Borah, K. Bhuyan | | 30 |
| 5. Axomot xasarasor hua masor rug aru rug niyantran | P. Saharia, Dr. D. Borah | | 30 |
| 6. Xombonito paddhatire meen palon | P. Saharia, Dr. D. Borah | | 30 |
| 7. Baigyanik paddhatire meen palon | P. SahariaDr. D. Borah | | 30 |
| 8. Bigyan Sanmatta paddhatire meen palon | K. D. Nath, Dr. D Borah | | 239 |
| 9. Masor Sadharonote hua rug xomuh aru tar pratikar | K. D. Nath, Dr. D. Borah | | 239 |
| 10. Unnato Paddhatire Jalukor kheti | B. Baruah, S. Borgohain | | 300 |
| 11. Uttar Purbanchalat Carp jatiyo mas palonor unknot paddhati | K. D. Nath, Dr. D Borah. S. Baishya, K.K Tamuli | | 80 |
| 12. Masor Rug aru tar pratikaror upai | K. D. Nath, Dr. D Borah. K. Bhagawati, K.K Tamuli | | 80 |
| **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: Nil**

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

* 1. **Success stories on horizontal spread of the technologies/Case studies, if any (two or three pages write-up on each case/ successes with suitable action photographs)**

1. **Success Story:**

**Crop and variety:** Green Gram var. SGC 16

**Name of farmer & Address:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No** | **Name** | **Village** | **Block** | **Crop** |
| 1 | Arup Boro | Lailunpara | Rowta | Greengram |
| 2 | Anjalu Daimary | Jongalbori Gaon | Udalguri | Greengram |
| 3 | Gadadhar Basumatary | -do- | Udalguri | Greengram |
| 4 | Amrit Bahadur Chetri | -do- | Udalguri | Greengram |
| 5 | Sunil Hembrom | -do- | Udalguri | Greengram |
| 6 | Tezey Chetry | -do- | Udalguri | Greengram |
| 7 | Durga Bahadur Chetry | -do- | Udalguri | Greengram |
| 8 | Padma Chetry | -do- | Udalguri | Greengram |
| 9 | Ramesh Wary | -do- | Udalguri | Greengram |
| 10 | Madhab Chauhan | -do- | Udalguri | Greengram |
| 11 | Lalit Basumatary | -do- | Udalguri | Greengram |
| 12 | Dwithum Basumatary | Monpur | Udalguri | Greengram |
| 13 | Raniran Basumarty | -do- | Udalguri | Greengram |
| 14 | Galar Basumatary | -do- | Udalguri | Greengram |
| 15 | Khanjay Muchahary | -do- | Udalguri | Greengram |
| 16 | Dinesh Daimary | -do- | Udalguri | Greengram |
| 17 | Manik Chauhan | -do- | Udalguri | Greengram |
| 18 | Dulal Basumatary | -do- | Udalguri | Greengram |
| 19 | Khanesh Wary | -do- | Udalguri | Greengram |
| 20 | Chandu Murmu | -do- | Udalguri | Greengram |
| 21 | Singrai Murmu | -do- | Udalguri | Greengram |
| 22 | Atiram Boro | Sarbaherua | Rowta | Greengram |
| 23 | Budal Basumatary | -do- | Rowta | Greengram |
| 24 | Baburam Boro | -do- | Rowta | Greengram |
| 25 | Numali Brahma Basumatary | -do- | Rowta | Greengram |

**Background information about farmer field:**

Usually most of the farmers in the district used to keep the field fallow to the next growing season of rabi vegetables. However, fraction of cultivated area was used for growing some traditional and old varieties of Blackgram & Greengram and they followed improper doses of fertilizers, no inter cultural operations and improper plant population measures resulting in low yield. Owing to the diverse agro climatic situations, Udalguri district of Assam is endowed with comparative advantage for growing pulse crops.

**Details of technology demonstrated:** Varieties: SGC 16

**Technology Details:** INM in Greengram (75 % of Recommended Dose of fertilizes i.e. 7.5 Kg N, 26.25 Kg P2O5, 0 K2O/ha) (Farmers contribution)+ Organic manure/Vermicompost @ 2.5 t/ha was applied. **Time of fertilizer application:** As Basal application. **Seed Treatment:** Rhizobium @ 50 g/kg seed. **Seed Rate:** 20 kg/ha. **Fertilizer:** 75 % of RDF i.e. 7.5 Kg N, 26.25 Kg P2O5, 0 K2O/ha. **Plant Protection Measures:** Malathion 50 EC was applied @ @ 1 lit/ha in 600 lit of water against pod borer **Time of Sowing:** 30th Aug-30th Sep, 2018. **Time of Harvesting:** Nov-Dec, 2018.

**Institutional Involvement:** Under the NFSM project a total of 10 ha of SGC 16 were demonstrated in cluster basis in the year 2018-19. For the demonstration of the technology KVK has provided inputs like greengram var. SGC 16 along with the Rhizobium culture for seed treatment, vermicompost and plant protection chemicals. Regular services are also provided to the farmers to solve their day to day problems and have feedback and monitoring.

**Success Point:** The average yield was 10 q/ha and the net return obtained from cultivating per ha of Greengram was Rs. 26400 with a B:C ratio 2.12. It was found that majority of the participant farmers in the programme had full adoption of improved practices viz., land preparation, use of high yielding varieties, sowing time and application of manures and fertilizers. The farmers have also packed the produce and will sell in the local market as seed for the next season. The area under this variety has now spread significantly covering a majority of area and expected to show further horizontal increase in the next season.

**Farmer Feedback:** Farmers were all satisfied with the yield of this variety and they were ready to adopt the technology.

**Outcome Yield (q/ha)**

- Demonstration : 10.0

- Potential yield of variety/technology : 14.0

- District average (Previous year) : 6.5

**Performance of technology vis-à-vis Local check (Increase in productivity and returns)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Specific technology** | **Yield (q/ha)** | **Gross cost (Rs/ha)** | **Gross income (Rs/ha)** | **Net income**  **(Rs/ha** | **B.C ratio** |
| Farmer practices | 7.4 | 23100.00 | 37000.00 | 13900.00 | 1.60 |
| Demonstration | 10.0 | 23600.00 | 50000.00 | 26400.00 | 2.12 |
| % Increase | 35.14 |  |  |  |  |

**Quality Photographs:**

|  |  |
| --- | --- |
| **IMG_0414.JPG** | **IMG_0834.JPG** |
| **Seed Distribution** | **Vegetative Stage** |
| **IMG_0845.JPG** | **IMG_1027.JPG** |
| **Input Distribution** | **Pod initiation Stage** |

1. **Success Story:**

**Crop and variety:** Sesamum var. Bahuabheti

**Name of farmer & Address:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No.** | **Name** | **Village** | **Block** | **Crop** |
| 1 | Abhinash Daimari | Monpur | Udalguri | Sesamum |
| 2 | Badera Boro | Monpur | Udalguri | Sesamum |
| 3 | Anjalu Kr. Daimari | Monpur | Udalguri | Sesamum |
| 4 | Janash Khaklary | Monpur | Udalguri | Sesamum |
| 5 | Mathai Daimari | Monpur | Udalguri | Sesamum |
| 6 | Lovejoy Daimari | Monpur | Udalguri | Sesamum |
| 7 | Porna Daimari | Monpur | Udalguri | Sesamum |
| 8 | Samar Ch. Brahma | Monpur | Udalguri | Sesamum |
| 9 | Bikash Baglari | Monpur | Udalguri | Sesamum |
| 10 | Jona Narzari | Monpur | Udalguri | Sesamum |
| 11 | Sanjai Boro | Monpur | Udalguri | Sesamum |
| 12 | Raju Brahma | Monpur | Udalguri | Sesamum |
| 13 | Uma Brahma | Monpur | Udalguri | Sesamum |
| 14 | Radheswari Boro | Monpur | Udalguri | Sesamum |
| 15 | Runu Basumatary | Monpur | Udalguri | Sesamum |
| 16 | Bharti Boro | Monpur | Udalguri | Sesamum |
| 17 | Roshmi Basumatary | Monpur | Udalguri | Sesamum |
| 18 | Sukushri Basumatary | Monpur | Udalguri | Sesamum |
| 19 | Lalit Basumatary | Monpur | Udalguri | Sesamum |
| 20 | Dwithun Basumatary | Monpur | Udalguri | Sesamum |
| 21 | Deepa Boro | Monpur | Udalguri | Sesamum |
| 22 | Sukur Ali | Monpur | Udalguri | Sesamum |
| 23 | Sanjay Boro | Jhurpukhuri | Kalaigaon | Sesamum |
| 24 | Munna Boro | Jhurpukhuri | Kalaigaon | Sesamum |
| 25 | Melon Boro | Jhurpukhuri | Kalaigaon | Sesamum |

**Quality Photographs -**

|  |  |
| --- | --- |
| C:\Users\PURNIMA\Desktop\IMG_20181025_144732.jpg |  |
| **Input Distribution** | **Flowering stage** |

**Background information about farmer field:**

Owing to the diverse agro climatic situations, Udalguri district of Assam is endowed with comparative advantage for growing Oilseed crops like Sesamum. But they are not aware of good technologies and good varieties. Local varieties provide lower yield and poorer seed quality. Farmers were optimistic in adopting the technology provided under CFLD, NMOOP project.

**Details of technology demonstrated:** Scientific cultivation of Sesamum var. Bahuabheti

**Institutional Involvement:** Under the NMOOP project a total of 10 ha of Bahuabheti demonstrated in cluster basis in the year 2018-19 crop year yielded 4.4 q/ha. For the demonstration of the technology KVK has provided inputs like Seeds (Sesamum var. Bahuabheti) Regular services are also provided to the farmers to solve their day to day problems and have feedback and monitoring.

**Success Point:** The average yield of the crop was 4.4 q/ha and net return was Rs.19150/ha with a B:C ratio 1.77. It was found that majority of the participant farmers in the programme had full adoption of improved practices viz., land preparation, use of high yielding varieties, sowing time and application of manures and fertilizers. The technology has been appreciated by the farmers of nearby villages and are willing to adopt it in the coming season.

**Farmer Feedback:** Farmers were all satisfied with the yield of this variety and they were ready to adopt the technology.

**Outcome Yield (q/ha)**

- Demonstration **: 4.4**

- Potential yield of variety/technology **: 7**

- District average (Previous year)  **: 6.2**

- State average (Previous year) **: 7.4**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Specific Technology** | **Yield (q/ha)** | **Gross cost (Rs/ha)** | **Gross income (Rs/ha)** | **Net income**  **(Rs/ha** | **B:C ratio** |
| Farmer practices | 3.2 | 20600 | 32000 | 11400 | 1.55 |
| Demonstration | 4.4 | 24850 | 44000 | 19150 | 1.77 |
| % Increase | 38 |  |  |  |  |

**Large scale adoption of quail farming:**

**Background information**

Udalguri district is a tribal dominated livestock & poultry farming area of Assam. Due to use of local & non productive birds the farmers Are facing financial problems. The profitability of local varieties of poultry is low.

**KVK Intervention**

The KVK has taken initiative to increase the productivity of such farming and inturn doubling the farmers income. Therefore a new variety of poultry viz. quail (Japanese quail) has been introduced among the tribal farmers of the district by the KVK under TSP programme.

The quail having productivity of (egg lay 300nos per year) and egg laying start from 50 days onward with avg. body weight 250gm within 42 days is a suitable replacement for poultry farming. Number of young energetic youths have come forward & shown interest for cultivation of this bird. One such progressive farmer of Tanglagaon of udalguri district under Tangla has adopted the technology under the guidance of KVK udalguri. He has developed a quail farm which includes 200 breeder birds and produced 500chicks weekly from his own hatchery. He also produced 300 eggs per week for sale purpose. He is earning around Rs. 50000.00 monthly from quail farming alone. He also motivated many youths along with surrounding villages for employment generation.

The success of of Apratim has led many tribal/non tribal farmers towards the farming of quail birds. The quail farming has spread too many villages viz. Meska, Ranipukhuri, Nalkhamrs. Rowtapathar, Bhalukmari etc.

The KVK is still trying its level best to popularize the technology in many pockets of the District where the farmers are still practicing indigenous technology.

****

**Quail farming in Udalguri**

* 1. **Give details of innovative methodology/technology developed and used for Transfer of Technology during the year- NIL**

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** |
| 1 |  |  |  |

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

- Identification of courses for farmers/farm women: PRA

- Rural Youth: PRA

- Extension personnel: Discussion with line departments

**3.11 Field activities -**

i. Number of villages adopted : 18

ii. No. of farm families selected : 300

iii. No. of survey/PRA conducted : 02

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

Status of establishment of Lab : Nil

1. Year of establishment : Nil

2. List of equipments purchased with amount : Mridaparikshak (2016-17)

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No | Name of the Equipment | | | Qty. | Cost |
| S&WT lab | Mini lab/ Mridaparikshak | Manufacturer |
| 1 | - | Mridaparikshak |  | 2 |  |
| Total | |  |  |  |  |

3. Details of samples analyzed (2018-19) :

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Details | No. of Samples analysed | No. of Farmers | No. of Villages | Amount ( In Rupees) realized |
| Soil Samples | 11731 (Minikit and in KKAI & II in collaboration with Department of Agriculture, Udalguri) | 11848 | 60 |  |
| Water Samples |  |  |  |  |
| Plant Samples |  |  |  |  |
| Petiole Samples |  |  |  |  |
| Total | 11731 | 11848 | 60 |  |

1. Details of Soil Health Cards (SHCs) (2017-18)
2. No. of SHCs prepared: 11731
3. No. of farmers to whom SHCs were distributed: 11731
4. Name of the Major and Minor nutrients analysed: pH, OC, N, P, K, S, Zn, B, Fe
5. No. of villages covered: 60
6. Soil health card based nutrient management in different crops (pl. submit in brief in separate page):

**3.13. Details of SMS/ Voice Calls sent on various priority areas**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Message type** | **Crop** | | **Livestock** | | **Weather** | | | **Marketing** | | **Awareness** | | **Other Ent.** | | **Total** | |
| **No. of Message** | **No. of Ben eficiary** | **No. of Message** | **No. of Benef**  **iciary** | | **No. of Message** | **No. of Benef**  **iciary** | **No. of Message** | **No. of Benefi**  **ciary** | **No. of Message** | **No. of Benef**  **iciary** | **No. of Message** | **No. of Benef**  **iciary** | **No. of Message** | **No. of Benefi**  **ciary** |
| **Text only** | 6 | 18540 | 2 | 6180 | 8 | | 24720 | 6 | 18540 | 6 | 18540 | 5 | 15450 | 33 | 30900 |
| **Voice only** |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |
| **Voice and Text both** |  |  |  |  |  | |  |  |  |  |  |  |  |  |  |
| **Total** | 6 | 18540 | 2 | 6180 | 8 | | 24720 | 6 | 18540 | 6 | 18540 | 5 | 15450 | 33 | 30900 |

* 1. **Contingency planning for 2018-19**

1. **a. Crop based Contingency planning**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Contingency (Drought/ Flood/ Cyclone/ Any other please specify)** | **Proposed Measure** | **Proposed Area (In ha.) to be covered** | **Number of beneficiaries proposed to be covered** | | | |
| **General** | **SC/ST** | | **Total** |
| Flood | Introduction of new variety or crop | 4.0 | 10 | | 5 | 15 |
|  | Distribution of seeds and planting materials | 500 nos. | 20 | | 80 | 100 |
| Sudden outbreak of swarming caterpillar | Awareness programme and management practices | 5 activities | 100 | | 200 | 300 |

**a. Livestock based Contingency planning**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Contingency (Drought/ Flood/ Cyclone/ Any other please specify)** | **Number of birds/ animals to be distributed** | **No. of programmes to be undertaken** | **No. of camps to be organized** | **Proposed number of animals/ birds to be covered through camps** | **Number of beneficiaries proposed to be covered** | | |
| **General** | **SC/ST** | **Total** |
|  |  |  |  |  |  |  |  |

* 1. **IMPACT**
  2. **Impact of KVK activities (Not to be restricted for reporting period only): Not yet studied**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of specific technology/skill transferred** | **No. of participants** | **% of adoption** | **Change in income (Rs.)** | |
| **Before (Rs./Unit)** | **After (Rs./Unit)** |
| Integrated crop management of Pea using Var: Prakash | 50 | 80% | 14480/ha | 27520/ha |
| Integrated fish cum livestock farming system | 12 | 80% | 140000/ha | 266000/ha |
| Vermicompost production technology | 20 | 70% | Nil | 7885/bag |
| INM in *Sali* rice var. *Ranjit* | 10 | 70 | 41500.00 | 49900.00 |
| T- perch as resting sites for predatory insectivorous birds in rice fields as a component of IPM | 3 | 60 | 16284.00 | 31090.00 |
| Integrated weed management in Chilli  (1. Pre emergence application of Pendimethalin @ 1.5kg/ha + hand weeding at 35DAT, 2. Garden hoeing at 20 & 40 DAT) | 3 | 60 | 47120.00 | 72152.00 |
| Popularization of HYV of turmeric var. Megha Turmeric-1 | 3 | 60 | 230400.00 | 372200.00 |
| Popularization of exotic vegetable Broccoli | 3 | 45 | 208000.00 | 237000.00 |
| Introduction of improved breed *Kamrupa* | 67 | 30 | 400/bird | 635/bird |
| Introduction of improved breed Japanese quail | 50 | 100% | - | 250/bird |
| Production technology of Oyster mushroom | 48 | 70 | 0 | 4270.00 |
| Scientific species ratio and combination in composite fish farming | 3 | 40 | 180000.00 | 383400.00 |

* 1. **Cases of large scale adoption**

1. **IFS** has been popularized through training and FLD and more than 200 farmers adopted the same particularly in Bhergaon, Udalguri and Rowta area.
2. **Turmeric**: high yielding Turmeric var. Megha Turmeric-1 has been introduced in the district through trainings FLD, OFT and TSP programme by KVK, Udalguri. Day by day the variety is getting more popular among the farmers of the district. More than 100 ha of area is now under this variety of Turmeric. The KVK has taken many programmers with farmers of ABAD (FPC) for production of quality planting material of this variety organically. The FPC is also producing turmeric powder and selling it on their organic outlet at Tangla. Due to high yield, the farmers of the Udalguri district is adopting the variety quickly. The crop and the variety is getting more popularity among the tribal farmers of the district.
3. **Banana:** The KVK, Udalguri has introduced scientific cultivation of Banana cultivar “Malbhog” & “Jahaji” through OFT, FLD and method demonstration programme in different pockets of the district. Over the years the banana cultivation is growing popular among the farmers. The cultivation of the crop has been spread in many areas viz. Bhergaon, udalguri, Mazbat etc. Over 500 ha of area is currently covered under Banana cultivation involving more than 1000 farmers in the district. The udalguri farmers cooperation society has cultivated Malbhog on an area of more than 200 ha under the guidance of KVK, Udalguri.
4. **Cultivation of Rice – followed by Toria –** due to use of long duration rice varieties and variousother problems farmers generally grow rice as monocropping. KVK has introduced late sown toria variety TS 46, TS-47 etc through OFT, FLD, CFlds, which can be grown after harvesting long duration rice and the technology is adopted on large scale basis. About 300 plus hacters is covered under the technology of Rice(Kharif) followed by toria.
5. **Vermicomposting as enterprise –** Vermicomposting has been popularized in large scale basis through trainings, FLD and TSP demonstrations. Presently about 30 farmers of village Nalkhamra has established a unit named as and they are selling the products. Hundreds of farmers of different part of the district has already started vermicomposting. It also boost up organic cultivation in the district.
   1. **Details of impact analysis of KVK activities carried out during the reporting period:**

|  |  |  |  |
| --- | --- | --- | --- |
| **Title** | **Crop/Cropping system/ Enterprise** | **No. of Trials** | **Results of Assessment/ Refined (Data on the parameter should be provided)** |
| Impact assessment of OFT conducted by KVK on Poultry birds in Udalguri district | Poultry | 40 | 1. Increase in income: Rs.15000/unit  2. Horizontal spread: 80 units |

**5.0. LINKAGES ESTABLISHED**

**5.1 Functional linkage with different organizations**

|  |  |  |
| --- | --- | --- |
| **Sl.** | **Name of organization** | **Nature of linkage** |
| 1. | RSETI, SBI Udalguri | Training-Demonstration |
| 2. | Udalguri Farmer’s Society | Farmer’s scientist interaction – Advisory services- Demonstration-OFT |
| 3. | NABARD | Awareness programme- External Funding |
| 4. | ATMA, Udalguri | Training-Farmer’s scientist interaction |
| 5. | KASS and NASS, Udalguri | Training-Demonstration-Field visit |
| 6. | Department of Agriculture, | Training-Field Day-Field visit |
| 7. | ASSCA, Udalguri | Seed Certification |
| 8. | NGO | Training-Demonstration |
| 9. | Indian Army 159 field Regiment | Farmers-scientist Interaction, training |
| 10 | Department of Fisheries, Udalguri | In planning activities/ collaborative activities |
| 11 | Department of Sericulture, Udalguri | In planning activities/ collaborative activities |
| 12 | Department of Veterinary, Udalguri | In planning activities/ collaborative activities |
| 13 | LDM, SBI, Udalguri | In planning activities/ collaborative activities |
| 14 | Soil Conservation Office, Udalguri | In planning activities/ collaborative activities |
| 15 | DRDA, Udalguri | In planning activities/ collaborative activities |
| 16 | National Fisheries Development Board | Training-Farmer’s scientist interaction |
| 17 | Food Civil Supply & Consumer Affairs | In planning activities/ collaborative activities |
| 18 | DICC, Udalguri | In planning activities/ collaborative activities |
| 19 | ABAD Agro Pro. Co. Ltd., Udalguri | Training-Field Day-Field visit |
| 20 | Daobariary Organic Grower Scoety, Udalguri | Farmers Scientist Interaction, Training, Field Visit |
| 21 | Jagaran NGO, Kacharitol | Farmers Scientist Interaction, Training etc |
| 22 | ADWR, NGO, Udalguri | Farmers Scientist Interaction, Training, Field Visit |
| 23 | College of Fishery science, Raha | Training (2), demonstration (8), AAU Carp hatchery |
| 24 | RARS NL (TSP) | 2 demonstrations on Toria and Maize |
| 25 | Bayers’ crop | Varietal evaluation |
| 26 | PCRA | 2 Awareness programme |
| 27 | ASCI | 25 days skill training |
| 28 | KKA I & KKA II | Trainings, Soil health cards distribution, Construction of NADEP Pit in Collaboration with DAO & DVO |
| 29 | NFDB | Demonstration |

*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 State Govt./Other Agencies during 2018-19**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of the scheme** | **Activity** | **Date/ Month of initiation** | **Funding agency** | **Amount (Rs.)** |
| PCRA | Workshop | 1. Dec 2018 2. Dec 2018 | PCRA | 14800.00 |
| Bayers Paddy Hybrid | FLD |  | Bayer Co. Ltd | 15260.00 |

**5.3 Details of linkage with ATMA**

a) Is ATMA implemented in your district Yes

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Programme** | **Nature of linkage** | **Remarks** |
| 1. | Demonstration, training etc. | Joint monitoring, as Resource person etc. |  |

**5.4Give details of programmes implemented under National Horticultural Mission: Nil**

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

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

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Programme** | **Nature of linkage** | **Remarks** |
| 1. | Demonstration of growth performance of improved fish varieties- Jayanti Rohu/Amur Carp | Demonstration in farmers field | 50% fund received |

**6. PERFORMANCE OF INFRASTRUCTURE IN KVK DURING 2018-19**

**6.1 Performance of demonstration units (other than instructional farm): No infrastructure available**

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

**6.2 Performance of instructional farm (Crops) including seed production**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Name**  **of the crop** | **Date of sowing** | | **Date of harvest** | **Area (ha)** | **Details of production** | | | | **Amount (Rs.)** | | **Remarks** |
| **Variety** | **Type of Produce** | **Qty.** | | **Cost of inputs** | **Gross income** |
| **Cereals** | | | | | | | | | | | |
| Rice |  | |  | 1.5 | Ranjit Sub 1 | Seed | 45 q | |  |  |  |
| Wheat |  | |  |  |  |  |  | |  |  |  |
| Maize |  | |  |  |  |  |  | |  |  |  |
| Any other |  | |  |  |  |  |  | |  |  |  |
| **Pulses** | | | | | | | | | | | |
| Green gram |  | |  |  |  |  |  | |  |  |  |
| Black gram |  | |  |  |  |  |  | |  |  |  |
| Lentil |  | |  |  |  |  |  | |  |  |  |
| Any other |  | |  |  |  |  |  | |  |  |  |
| **Oilseeds** | | | | | | | | | | | |
| Mustard/Toria | |  |  | 1 | TS 67 | Seed | 3.69q | |  |  |  |
| Soy bean | |  |  |  |  |  |  | |  |  |  |
| Any other | |  |  |  |  |  |  | |  |  |  |
| **Fibers** | | | | | | | | | | | |
|  |  | |  |  |  |  |  | |  |  |  |
| **Spices & Plantation crops** | | | | | | | | | | | |
|  |  | |  |  |  |  |  | |  |  |  |
| **Floriculture** | | | | | | | | | | | |
|  |  | |  |  |  |  |  | |  |  |  |
| **Fruits** | | | | | | | | | | | |
|  |  | |  |  |  |  |  | |  |  |  |
| **Vegetables** | | | | | | | | | | | |
| **i.** |  | |  |  |  |  |  | |  |  |  |
| 1. **Others (specify)** | | | | | | | | | | | |
|  |  | |  |  |  |  |  |  | |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of the Product** | **Qty** | **Amount (Rs.)** | | **Remarks** |
| **Cost of inputs** | **Gross income** |
| 1. | Nil |  |  |  |  |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | **Details of production** | | | **Amount (Rs.)** | | Remarks |
| Breed/ species | Type of Produce | Qty. | Cost of inputs | Gross income |
| 1 | Nil |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**6.5 Rainwater Harvesting**

Training programmes conducted by using Rainwater Harvesting Demonstration Unit: Nil

BD21421_

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

**6.6. Utilization of hostel facilities (Month-Wise) during 2018-19: Nil**

Accommodation available (No. of beds) :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Months** | **Title of the training course/Purpose of stay** | **Duration of Training** | **No. of trainees stayed** | **Trainee days (days stayed)** | **Reason for short fall (if any)** |
|  |  |  |  |  |  |
| **Total** |  |  |  |  |  |
| **Grand total** |  |  |  |  |  |

Note: (Duration of the training course X No. of trainees)=Trainee days

**7. FINANCIAL PERFORMANCE**

**7.1 Details of KVK Bank accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| **Bank account** | **Name of the bank** | **Location/ Branch** | **Account Number** |
| With Host Institute | SBI | Jorhat | 102533820770 |
| With KVK | SBI | Rowta | 33659377112 |
| Revolving Fund | SBI | Rowta | 33863400752 |

* 1. **Utilization of funds under FLD on Maize *(Rs. In Lakhs) if applicable - NA***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Item** | **Released by ICAR/ZPD** | | **Expenditure** | | **Unspent balance as on 31st March, 2015** |
| **Year** | **Year** | **Year** | **Year** |
| Inputs | - |  |  |  |  |
| Extension activities | - |  |  |  |  |
| **TOTAL** | **-** |  |  |  |  |

**7.3 Utilization of KVK funds during the year 2018-19**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **S.**  **No.** | **Particulars** | **Sanctioned (in Lakh)** | **Released**  **(in Lakh)** | | **Expenditure**  **(in Lakh)** |
| **A. Recurring Contingencies** | | | | | |
| 1 | **Pay & Allowances** | 100.00 | 100.00 | 92.46191 | |
| 2 | **Traveling allowances** | 2.00 | 2.00 | 1.998 | |
| 3 | **Contingencies** | | | | |
| *A* | Stationery, telephone, postage and other expenditure on office running, publication of Newsletter and library maintenance (Purchase of News Paper & Magazines) | 13.00 | 13.00 | 1260011.00 | |
| *B* | POL, repair of vehicles, tractor and equipments |  |  |  | |
| *C* | Meals/refreshment for trainees |  |  |  | |
| *D* | Training material (posters, charts, demonstration material including chemicals etc. required for conducting the training) |  |  |  | |
| *E* | Frontline demonstration except oilseeds and pulses (minimum of 30 demonstration in a year) |  |  |  | |
| *F* | On farm testing (on need based, location specific and newly generated information in the major production systems of the area) |  |  |  | |
| *G* | Training of extension functionaries |  |  |  | |
| *H* | Maintenance of buildings |  |  |  | |
| *I* | Establishment of Soil, Plant & Water Testing Laboratory |  |  |  | |
| *J* | Library |  |  |  | |
| **TOTAL (A)** | | **115.00** | **115.00** | **107.0601** | |
| **B. Non-Recurring Contingencies** | | | | | |
| 1 | **Works** | - | - | - | |
| 2 | **Equipments including SWTL & Furniture** | - | - | - | |
| 3 | **Vehicle** (Four wheeler/Two wheeler, please specify) | - | - | - | |
| 4 | **Library** (Purchase of assets like books & journals) | - | - | - | |
| **TOTAL (B)** | | **-** | **-** | **-** | |
| **C. REVOLVING FUND** | | - | - | - | |
| **GRAND TOTAL (A+B+C)** | |  |  |  | |

**7.4 Status of Revolving Fund (Rs. in lakhs) 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** |
| Apr 2016 – Mar 2017 | 46104.00 | 99780.00 | 85117.00 | 60767.00 |
| Apr 2017 – Mar 2018 | 60767.00 | 98910.00 | 118228.00 | 41449.00 |
| Apr 2018 – Mar 2019 | 41449.00 | 1458620.00 | 95033.00 | 92278.00 |

**Note: No KVK must leave this table blank**

**8.0 Please include information which has not been reflected above -** nil

**8.1 Constraints**

(a) *Administrative:* no office building, no boundary wall, no furniture, no supporting staff, no demonstration units and no training hall, frequent power cut (have no generator)

(b) *Financial :* Fund under Recurring contingency head may be increased

(c) *Technical :* More HRD training to scientific staff required

# (Signature)

Sr. Scientist cum Head

KVK Udalguri, Assam