**ANNUAL REPORT 2021 (January 2021 to December 2021)**

1. GENERAL INFORMATION ABOUT THE KVK

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
|  | Office | FAX |  |
| Krishi Vigyan Kendra, Sundargarh-II,  At. Hockey Chawk,  P.O. Panposh,  Rourkela - 769004 | 0661-2664050 | 0661-2664050 | kvksundergarh2.ouat@gmail.com,  rourkelakvk@gmail.com |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Address | Telephone | | E mail |
| Office | FAX |  |
| Odisha University of Agriculture & Technology (OUAT), Bhubaneswar- 751003 | 0674-2397970/ 2397818 | 0674-2397868 | registrarouat@gmail.com |

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

|  |  |  |  |
| --- | --- | --- | --- |
| Name | Telephone / Contact | | |
|  | Residence | Mobile | Email |
| Dr. Manasi Bhol | 9437068616 | 9337041900 | kvksundergarh2.ouat@gmail.com, rourkelakvk@gmail.com |

1.4. Year of sanction of KVK: 2012

**1.5. Staff Position (as on 31 st December2021)**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Sanctioned post** | **Name of the incumbent** | **Designation** | **Discipline/** | **Pay**  **Scale with present basic** | **Date of joining** | **Permanent/**  **Temporary** | **Category (SC/ST/**  **OBC/**  **Others)** |
| 1 | Senior Scientist& Head | Dr. Manasi Bhol | Sr. Scientist & Head | Home Science | 15,600-39,100/- | 17.05.2018 |  |  |
| 2 | Subject Matter Specialist | Sri Jayanta Kumar Pati | Scientist | Ag. Extension | 15,600-39,100/- | 21.02.2005 |  |  |
| 3 | Subject Matter Specialist | Smt. Bijaya Laxmi Sahu | Scientist | Home Science | 15,600-39,100/- | 17.01.2005 |  |  |
| 4 | Subject Matter Specialist | Sri Sanjay Kumar Pradhan | Scientist | Horticulture | 15,600-39,100/- | 01.10.2009 |  |  |
| 5 | Subject Matter Specialist | Sri Samarendra Baral | Scientist | Plant Protection | 15,600-39,100/- | 09.07.2018 |  |  |
| 6 | Subject Matter Specialist | Smt. Susmita Panda | Scientist | Agronomy | 15,600-39,100/- | 20.03.2019 |  |  |
| 7 | Subject Matter Specialist | Vacant |  |  |  |  |  |  |
| 8 | Programme Assistant | Smt. Anubha Benedicta Kujur | Programme Assistant (Agriculture) | Seed Science | 9,300-34,800/- | 31.12.2015 |  |  |
| 9 | Computer Programmer | Sri Somadutta Mohanty | Programme Assistant | Computer | 9,300-34,800/- | 14.07.2005 |  |  |
| 10 | Farm Manager | Vacant |  |  |  |  |  |  |
| 11 | Accountant / Superintendent | Vacant |  | - |  |  |  |  |
| 12 | Stenographer | Vacant |  | - |  |  |  |  |
| 13. | Driver | Sri Erastus Dungdung | Driver cum- Mechanic | - | 5,200-20,000/- | 20.07.2015 |  |  |
| 14. | Driver | Sri Jitendra Kumar Sethy | Driver cum- Mechanic | - | 5,200-20,000/- | 27.07.2015 |  |  |
| 15. | Supporting staff | Vacant |  | - |  |  |  |  |
| 16. | Supporting staff | Vacant |  | - |  |  |  |  |

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

|  |  |  |
| --- | --- | --- |
| **S. No.** | **Item** | **Area (ha)** |
| 1 | Under Buildings |  |
| 2. | Under Demonstration Units |  |
| 3. | Under Crops |  |
| 4. | Orchard/Agro-forestry |  |
| 5. | Others with details |  |
|  | Total |  |

*Total area should be matched with breakup*

**1.7. Infrastructure Development:**

A) Buildings and others

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| S. No. | Name of infrastructure | Not yet started | Completed up to plinth level | Completed up to lintel level | Completed up to roof level | Totally completed | Plinth area (sq.m) | Under use or not\* | Source of funding |
| 1. | Administrative  Building | Not yet started |  |  |  |  |  |  |  |
| 2. | Farmers Hostel | -do- |  |  |  |  |  |  |  |
| 3. | Staff Quarters (6) | -do- |  |  |  |  |  |  |  |
| 4. | Piggery unit | -do- |  |  |  |  |  |  |  |
| 5 | Fencing | -do- |  |  |  |  |  |  |  |
| 6 | Rain Water harvesting structure | -do- |  |  |  |  |  |  |  |
| 7 | Threshing floor | -do- |  |  |  |  |  |  |  |
| 8 | Farm godown | -do- |  |  |  |  |  |  |  |
| 9. | Dairy unit | -do- |  |  |  |  |  |  |  |
| 10. | Poultry unit | -do- |  |  |  |  |  |  |  |
| 11. | Goatary unit | -do- |  |  |  |  |  |  |  |
| 12. | Mushroom Lab | -do- |  |  |  |  |  |  |  |
| 13. | Mushroom production unit | -do- |  |  |  |  |  |  |  |
| 14. | Shade house | -do- |  |  |  |  |  |  |  |
| 15. | Soil test Lab | -do- |  |  |  |  |  |  |  |
| 16 | Others,Please Specify | -do- |  |  |  |  |  |  |  |

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

B) Vehicles

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Type of vehicle | Year of purchase | Cost (Rs.) | Total km. Run | Present status |
| Tractor | 2015-16 | 529845 | 28 hr. | Running (It is handed over to KVK Sundargarh- I as presently we have no farm land) |

C) Equipment & AV aids

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** | **Source of fund** |
| **a. Lab equipment** | | | | |
| Soil Testing Mini Lab | 2016-17 | 90300 | Good | ICAR |
| Soil Testing Mini Lab | 2016-17 | 90300 | Good | ICAR |
| **b. Farm machinery** | | | | |
| Bush Cutter | 2012-13 | 33000 | Good | ICAR |
| 3.5 HP D/P Set | 2012-13 | 26565 | Good | ICAR |
| Aspee Bolow Sprayer | 2012-13 | 7035 | Good | ICAR |
| Seed Treatment Drum | 2012-13 | 3280 | Good | ICAR |
| Rotary Weeder | 2012-13 | 20135 | Good | ICAR |
| OTG Convection Oven | 2017-18 | 5100 | Good | ICAR |
| Refractometer | 2017-18 | 14900 | Good | ICAR |
|  |  |  |  |  |
| c.AV Aids | | | | |
| Digital Camera | 2012-13 | 15000 | Good | ICAR |
| Semi SLR Camera | 2016-17 | 22950 | Good | ICAR |
| EPABX System | 2015-16 | 25000 | Good | ICAR |
| Photo Copier Machine | 2015-16 | 100000 | Good | ICAR |
| Desktop Computer (Dell) | 2015-16 | 35830 | Good | ICAR |
| Desktop Computer (Acer) | 2016-17 | 45218 | Good | ICAR |
| Laptop (Dell) | 2016-17 | 54100 | Good | ICAR |
| FAX (4 in one) | 2015-16 | 24900 | Good | ICAR |
| DG set | 2015-16 | 434363 | Good | ICAR |
| Laptop (Dell) | 2016-17 | 57402 | Good | ICAR |
| Laptop (HP) | 2017-18 | 44900 | Good | ICAR |
| Multimedia Projector with screen | 2016-17 | 43848 | Good | ICAR |
| Picco Projector | 2017-18 | 20000 | Good | ICAR |
| Air Conditioner (02 nos.) | 2017-18 | 59800 | Good | ICAR |
| Stabilizer (02 nos.) | 2017-18 | 9600 | Good | ICAR |
| Water Cooler | 2017-18 | 47000 | Good | ICAR |
| Water Purifier | 2017-18 | 9990 | Good | ICAR |

D) Farm implements

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Name of equipment** | **Year of purchase** | **Cost (Rs.)** | **Present status** | **Source of fund** |
| Par Boiling Unit | 2012-13 | 4820 | Good | ICAR |
| Power Tiller | 2015-16 | 155500 | Good | ICAR |
| Hydrolic Tractor Trailer | 2015-16 | 150000 | Good | ICAR |
| Cage Wheel | 2015-16 | 28000 | Good | ICAR |
| 9 tyne Spring tiller | 2015-16 | 34000 | Good | ICAR |
| M.B. Plough | 2015-16 | 28000 | Good | ICAR |
| Power Weeder | 2016-17 | 36900 | Good | ICAR |
| 9 row Seed cum Fertilizer Drill | 2016-17 | 55000 | Good | ICAR |
| Tractor Hood | 2015-16 | 4500 | Good | ICAR |
| Rotary Tiller Rotavator | 2015-16 | 96900 | Good | ICAR |
| Paddy Thresher | 2015-16 | 141000 | Good | ICAR |
| Paddy Reaper | 2016-17 | 107550 | Good | ICAR |
| Solar Dryer | 2017-18 | 19950 | Good | ICAR |

**1.8. Details of SAC meeting\* conducted in the year**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Date | Number of Participants | Salient Recommendations | Action taken | If not conducted, state reason |
|  | 23.2.2021 | 30 | Enhancing Area, Productivity and Value addition of millets | KVK provided 10Q of Ragi seeds var. Arjuna which was supplied to Millet Mission through CDAO, Sundargarh resulting in horizontal expansion of 250 acres of Ragi area in the district thereby boosting the tribal economy.  KVK conducted FLD on “INM in Ragi” which would further build the trust of farmers on cultivation Ragi as a profitable crop getting an average yield of 8 q/h in demonstration plot.  KVK also conducted Training Programme for 15 numbers of youths on value addition in Ragi to prepare Ragi based food products which could yield more profit. |  |
|  |  |  | More emphasis on training of WSHGs for Mushroom & Nutritional Garden | KVK has given lot of attention to upgrade the knowledge and skill of WSHG on Mushroom cultivation and Nutritional Garden. Both are targeted to home consumption, nutritional security and sale of surplus for gaining profit.  2 numbers of FLD have been conducted both in mushroom & nutritional garden in village Guduguda, Ranto & Nuniapali of block Nuagaon, Lathikata & Gurundia involving 20 numbers of farmwomen.  04 numbers of trainings in 04 villages were conducted in Gurundia, Lathikata and Bisra blocks of the district in Mushroom and 05 numbers of training were conducted in 05 villages in Lathikata, Kuarmunda, Bisra, Gurundia, Nuagaon block on Nutritional Garden. Critical inputs and skill was provided to all the beneficiaries. |  |
|  |  |  | . Introduction of bio fortified crops in the district | Bio fortified Sweet potato viz, Bhu sona and Bhu Kirshna was demonstrated in village “Pandua” in Nuagaon Block.  1000 cuttings of each variety were procured from ICAR-CTCRI, Bhubaneswar center and introduced to 5 farmers initially.who have successfully cultivate the bio fortified crop and they are expected to supply the planting material to near by villages in the next season. |  |
|  |  |  | . Improving the economy of tribal house hold through Back Yard Poultry | In order to augment the economy of tribal household demonstration of artificial brooding of one day old chicks for three weeks to check mortality and demonstration of improved breed Kadaknath poultry which is very popular for its taste ad medicinal properties was organized in two village viz. Ranto in lathikata block, Nuniapalli, Gurundia block in which KVK provided 400 chicks to 20 households. It was observed that there was 3% mortality and poultry birds are adapted to the local conditions. |  |
|  |  |  | . Popularizing Kharif Onion & Kharif Potato in the district | KVK organized OFT on Kharif Onion with 2 varieties L-883 and Agri Found Dark Red in 03 villages in Nuagaon and Lathikata blocks.  Satisfactory results having observed, all 13 farmers involved in the programme have given positive feedback on performance both the onion verities.  As regards to kharif potato, KVK has conducted 02 numbers of training programmes in jointly in collaboration line Horticulture department involving 100 farmers in bareiguda village in Nuagaon block and Santoshpur village in Bisra block.  08 numbers of joint field visits have been conducted to monitor the kharif potato programme. |  |
|  |  |  | Intercropping in mango orchards for getting more returns | In the Mango orchards developed by Watershed Dept. in Karmabahal village of Kuarminda block,  Intercropping of different vegetables like cowpea, cabbage, cauliflower, Tomato and brinjal was successfully experimented and very good response was received from the beneficiaries.  02 numbers of training was conducted by KVK with support of Watershed department involving 50 beneficiaries  KVK supplied cowpea and Tomato seeds to the beneficiaries under convergence mode |  |
|  |  |  | Promoting Organic Farming and Vermicomposting | KVK in collaboration with NIT, Rourkela and SAIL, RSP conducted 02 numbers of training programme for 50 participants for promoting organic farming in the area.  KVK has taken up FLD on Vermicomposting using spent Mushroom substrates in 03 villages in two blocks involving 10 beneficiaries out of which 02 beneficiaries have started producing vermin compost in commercial basis |  |
|  |  |  | Promotion of Guava, Apple Ber, Bael and Jack fruit | In order to promote fruit crops, KVK conducted 01 training on Guava in Ghodabandh village of Nuagaon block for 25 farmers.  Mr.Victor Bodra a progressive farmers has started a Guava orchard with 50 plants.  KVK has prepared an estimate to set up a mother orchard of Guava by line Horticulture Dept.  KVK is in touch with ICAR-CHES, Bhubaneswar to get Apple ber plants to introduce it in the district very soon.  KVK has taken up FLD Value Addition of Jackfruit where 20 numbers of farm women of Khatankudar village of Bisra block have participated and Jack fruit propagation through seed has also popularized. |  |
|  |  |  | Promotion of papaya in large scale | KVK has conducted FLD on Papaya var. Arka Prabhat in 03 village covering 10 farmers.  Training has been imparted and Papaya seedlings have been provided to farmers to set up their own units from KVK, Sundargarh-II |  |
|  |  |  | Promotion of stress tolerant crops | Stress tolerant short duration paddy Sahabhagi dhan have been conducted under FLD in DFI targeted village along with FLD on BPH tolerant rice variety Hasant to Boost up the efforts to promote stress tolerant crops  Triple resistant tomato variety Arka Rakshyak also demonstrated in 3 villages of 2 blocks. |  |
|  |  |  | Conducting sponsored and collaborative training | In collaboration of PCRA workshop on Energy Conservation in Agriculture sector was organize by KVK. 04 numbers of such programme have already been conducted involving 120 participants sponsored by PCRA.  12 week certificate course for pesticide dealers training is being organized by KVK in collaboration with NIHPM, Hyderabad involving 40 dealers of KVK operational areas. |  |
|  |  |  | Stress on Joint filed visit and inter departmental coordination | Regular RE linkage meeting is being organized on monthly basis 15 joint field visits have been conducted in Agriculture, Horticulture, Watershed areas to monitor different programme and give guidance to the farming community.  KVK has participated in more than 30 numbers of Soil health awareness training programmes organized by the Agriculture departments  All Special days and Field days are being celebrated with due participation and cooperation of all line department and KVK.  Under interdepartmental cooperation KVK has taken up seed production programme at Govt. Agriculture farm, Kuliposh in Bonei sub division |  |
|  |  |  | . More numbers of activities with FPOs and Technical support | KVK has given technological back stopping to the FPOs thorough 05 numbers training programme in Mushroom, Vermicomposting, Value Addition to Millets, Nutri Garden, and Plant Protection have been conducted for FPOs members for Bisra and Nuagaon Block.  CFLD oilseed i.e. Groundnut var. Dharani conducted by KVK in Bisra block has received FPO support to market the Groundnut which will definitely enhance the bargain power of our beneficiary farmers |  |
|  |  |  | Installation of Bio flock to promote training enterprises | As regard Bio flock technology fish farmer wherever any interested farmers are coming to KVK we are linking them to fishery department and also one progressive farmer of Bonei Gobinda Nayak of Nuapalli village of Jakeikela panchayat of Bonei block has successfully installed bio flock and set an example of self employment through fish farming. |  |

*\* Salient recommendation of SAC in bullet form*

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

2.a. District level data on agriculture, livestock and farming situation (2021-22)

|  |  |  |
| --- | --- | --- |
| Sl. no. | Item | Information |
| 1 | Major Farming system/enterprise | Paddy, Maize, Black gram-vegetables, Sesame, Mustard, Horse gram |
| 2 | Agro-climatic Zone | North Western Plateau Zone |
| 3 | Agro ecological situation | Rainfed upland, Irrigated Upland, Rainfed Medium land, Irrigated medium land, Rainfed low land |
| 4 | Soil type | Red Black soil. Lateritic soil, Black brown forest soil |
| 5 | Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others | Paddy-35.21, Maize-19.48  Blackgram-4.57, Arhar-9.48, Chick pea-6.5  Sesame- 4.75, Mustard 4.16, Ground nut-14.86  Mango- 49.1 Banana-199.7, Citrus-117.1  Tomato-149.8, Brinjal-168, Okra- 89 |
| 6 | Mean yearly temperature, rainfall, humidity of the district | Mean yearly Temp-32. Rainfall-1422.5 mm, Rainy days-68.4, Humidity- 55% |
| 7 | Production of major livestock products like milk, egg, meat etc. | Milk production- 11994500 litre  Egg production- 1449100  Meat production- 127277 Qt |

Note: Please give recent data only

**2.b. Details of operational area / villages (2021-22)**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Name of Taluk** | **Name of the block** | **Name of the villages** | **Major crops**  **& enterprises** | **Major problems identified (crop-wise)** | **Identified Thrust Areas** |
|  | Panposh | Nuagaon | Guduguda | Paddy, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases.  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post-harvest loss, Distress sale.  Low yield in egg and meat production from poultry due to poor feed, disease management. | Yield enhancement through proper crop improvement practices  Substitution of local degraded seed in vegetables  Emphasize on cultivation of lucrative off-season vegetables  Crop Diversification,  Integrated Nutrient, Pest, Disease management |
|  |  | Nuagaon | Ghodabandh | Paddy, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Low yield in egg and meat production from poultry due to poor feed, disease management | Yield enhancement through proper crop improvement practices  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Crop Diversification,  Integrated Nutrient, Pest, Disease management |
|  |  | Nuagaon | Bareiguda | Vegatables, Floriculture | Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale | Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale |
|  |  | Bisra | Khatankudar | Paddy, Maize, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Low yield in egg and meat production from poultry due to poor feed, disease management | Yield enhancement through proper crop improvement practices  Substitution of local degraded seed in vegetables  Emphasize on cultivation of lucrative off-season vegetables  Crop Diversification,  Integrated Nutrient, Pest, Disease management |
|  |  | Lathikata | Ranto | Paddy, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Low yield in egg and meat production from poultry due to poor feed, disease management | Yield enhancement through proper crop improvement practices  Substitution of local degraded seed in vegetables  Emphasize on cultivation of lucrative off-season vegetables  Crop Diversification,  Integrated Nutrient, Pest, Disease management |
|  |  | Kuanmunda | Putrikhaman | Paddy, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Low yield in egg and meat production from poultry due to poor feed, disease management | Yield enhancement through proper crop improvement practices  Substitution of local degraded seed in vegetables  Emphasize on cultivation of lucrative off-season vegetables  Crop Diversification,  Integrated Nutrient, Pest, Disease management |
|  | Bonei | Gurundia | Nuniapalli | Paddy, vegetables, Poultry | Low yield in Paddy due to Imbalanced nutrition, Poor management of Pest and Diseases  Low yield in vegetables due to use of local available seed, Imbalanced nutrition, Poor management of Disease and pest, Post harvest loss, Distress sale  Low yield in egg and meat production from poultry due to poor feed, disease management | Yield enhancement through proper crop improvement practices  Substitution of local degraded seed in vegetables  Emphasize on cultivation of lucrative off-season vegetables  Crop Diversification,  Integrated Nutrient, Pest, Disease management |

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2018-19) for its development and action plan

|  |  |  |
| --- | --- | --- |
| Name of village | Block | Activities taken up for development |
| Lungei | Lathikata | Demonstration of TSP Garden pea  Demonstration of Mushroom and Nutritional garden |

**Achievements on technologies assessed and refined**

OFT-1

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of herbicides for weed management in *kharif* groundnut |
| 2. | Problem diagnosed | Lower yield due to high weed infestation and high cost of manual weeding |
| 3. | Details of technologies selected for assessment/refinement | FP- Manual weeding  TO1: Pre-emergence application of herbicide Oxyflourfen @ 0.2 kg a.i/ha  TO2: Early post emergence application of imazethapyr 0.12 kg a.i/ha i.e 15-20 DAS |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | RRTTS, Mahispat,Odisha,2011 |
| 5. | Production system and thematic area | Weed Management |
| 6. | Performance of the Technology with performance indicators | FP- 10.4 q/ha  TO1-12.2 q/ha  TO2-13.5 q/ha |
| 7. | Final recommendation for micro level situation | Early post emergence application of imazethapyr 0.12 kg a.i/ha i.e 15-20 DAS |
| 8. | Constraints identified and feedback for research | Non availability of new herbicides |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting & they are very much satisfied on weed management by use of herbicides. |

*Thematic area:* Weed Management

Problem definition: Lower yield due to high weed infestation and high cost of manual weeding

Technology assessed: Assessment of herbicides for weed management in *kharif* groundnut

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Yield component** | | | **Weed infestation**  **(Weed density/m2)** | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
| **No. of pods per plant** | **No. of seeds per pod** | **Test wt. (100 grain wt.)** |
| **FP** | 07 | 12 | 1.5 | 34.2 | 31 | 10.4 | 30200 | 54800 | 24600 | 1.81 |
| **TO1** |  | 19 | 1.8 | 36.1 | 16 | 12.2 | 33000 | 64300 | 31300 | 1.95 |
| **TO2** |  | 22 | 2.1 | 36.8 | 9 | 13.5 | 31600 | 71200 | 39600 | 2.25 |

OFT-2

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of Nutrient management for Blossom End Rot in Tomato |
| 2. | Problem diagnosed | Lack of nutrient management practices leads to BER |
| 3. | Details of technologies selected for assessment/refinement | TO1- Foliar application of calcium 5% @ 1-2 Tbsp/4.5lt water  TO2- Use of Arka vegetable Micronutrient formulation as spray after flowering @10-20g/lt |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | TNAU-2015 and IIHR-2016 |
| 5. | Production system and thematic area | Paddy-vegetables ,Integrated Nutrient Management |
| 6. | Performance of the Technology with performance indicators | FP-210qt/ha,TO1-235qt/ha,TO2-226qt/ha |
| 7. | Final recommendation for micro level situation | Foliar application of calcium 5% @ 1-2 Tbsp/4.5lt water |
| 8. | Constraints identified and feedback for research | Poor adoption of micronutrients |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting and awareness programme on INM,Awared about application of micronutrients |

*Thematic area:* Integrated Nutrient Management

Problem definition: Lack of nutrient management practices leads to BER

Technology assessed: TO1- Foliar application of Calcium 5% @ 1-2 Tbsp/4.5lt water after flowering

TO2- Use of Arka Vegetable Micronutrient formulation @10-20g/lt as spray after flowering

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Yield component Qt/ha** | | | **Parameters**  **No of infected fruits/sq.mt** | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  |  |  |
| FP | 7 |  |  |  | 2.1 | 210 | 90000 | 168000 | 78000 | 1.86 |
| TO1 |  |  |  |  | 0.7 | 235 | 90500 | 211500 | 121000 | 2.34 |
| TO2 |  |  |  |  | 0.2 | 226 | 91500 | 180800 | 89300 | 1.98 |

OFT-3

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of suitable PP chemicals for management of Mango Hopper |
| 2. | Problem diagnosed | Lack of conviction on timing of pesticide application |
| 3. | Details of technologies selected for assessment/refinement | TO1- Four sprays of *Metarhizium anisopliae* oil formulatio @ 0.5ml/L at weekly interval  TO2- Two applications of imidacloprid @ 0.25ml/L. at weekly interval |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | IIHR-2015 and CISH-2011 |
| 5. | Production system and thematic area | Fruit-Fruit based,Integrated Pest Management |
| 6. | Performance of the Technology with performance indicators | FP-31qt/ha,TO1-42qt/ha,TO2-38qt/ha |
| 7. | Final recommendation for micro level situation | Four sprays of *Metarhizium anisopliae* oil formulation @ 0.5ml/L at weekly interval |
| 8. | Constraints identified and feedback for research | Lack of conviction on timely application of PP chemicals |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting and awareness programme on IPM |

*Thematic area: Integrated Pest Management*

Problem definition: Lack of conviction on timing of pesticide application

Technology assessed: TO1- Four sprays of Metarhizium anisopliae oil formulation @ 0.5ml/L at weekly interval

TO2- Two applications of imidacloprid @ 0.25ml/L. at weekly interval

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Parameters** | | |  | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  | **No. of hoppers/panicle** |  |
| FO | 7 |  | 10.4 |  |  | 31 | 40000 | 93000 | 53000 | 2.30 |
| TO1 |  |  | 0.9 |  |  | 42 | 43000 | 126000 | 83000 | 2.96 |
| TO2 |  |  | 5.6 |  |  | 38 | 41500 | 114000 | 72500 | 2.75 |

OFT-4

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of Integrated Disease management of BLB in Rice |
| 2. | Problem diagnosed | Low yield due to severe bacterial disease incidence |
| 3. | Details of technologies selected for assessment/refinement | TO1:Seed treatment with Zinc sulphate 2% followed by spraying of fresh cow dung 20 % twice (Starting from initial appearance of the disease and another at fortnightly interval )  TO2:Spray with Plantomycin @ 1g/liter + Copper oxychloride 2g/litre of water twice at an interval of 8 days. |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | TNAU-2016 and NRRI-2018 |
| 5. | Production system and thematic area | Paddy-paddy ,Integrated Disease Management |
| 6. | Performance of the Technology with performance indicators | FP-34.5qt/ha,TO1-38.5qt/ha,TO2-43.0qt/ha |
| 7. | Final recommendation for micro level situation | TO2:Spray with Plantomycin @ 1g/liter + Copper oxychloride 2g/litre of water twice at an interval of 8 days. |
| 8. | Constraints identified and feedback for research | Lack of knowledge on disease severity and emphasis on release of resistant varieties |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting and awareness programme on IDM,availalability of resistant varieties |

*Thematic area: Integrated Disease Management*

Problem definition: Low yield due to severe bacterial disease incidence

Technology assessed: TO1:Seed treatment with Zinc sulphate 2% followed by spraying of fresh cow dung 20 % twice

(Starting from initial appearance of the disease and another at fortnightly interval )

TO2:Spray with Plantomycin @ 1g/liter + Copper oxychloride 2g/litre of water twice at an interval of 8 days.

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Parameters** | | |  | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  | **% infection** |  |
| FO | 7 |  | 18.1 |  |  | 34.5 | 33500 | 51750 | 18250 | 1.54 |
| TO1 |  |  | 8.8 |  |  | 38.5 | 33800 | 57750 | 23950 | 1.70 |
| TO2 |  |  | 2.9 |  |  | 43.0 | 35000 | 64500 | 29500 | 184 |

OFT-5

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of Kharif onion varieties in Sundargarh upland Situation |
| 2. | Problem diagnosed | Low yield due to Unavailability of Quality seed |
| 3. | Details of technologies selected for assessment/refinement | **F.P**- Use of Local available varieties (N-53)  **TO1-** Use of Kharif onion Variety Agri found Dark Red  **TO2** - Use of Kharif onion Variety L-883 |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | AICRP on Onion Garlic OUAT, 2015 & NHRDF 2017 |
| 5. | Production system and thematic area | Varietal Evaluation |
| 6. | Performance of the Technology with performance indicators | F.P- 145q/Ha  TO-1-168 q,Ha  TO-2- 173 q/Ha |
| 7. | Final recommendation for micro level situation | Both the varieties perform better than the local available variety. Farmer appreciated L-883 as it matures 10-days earlier than other two varieties |
| 8. | Constraints identified and feedback for research | Nursery management of Kharif Onion |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting |

*Thematic area:* Varietal Evaluation

Problem definition: Low yield due to Unavailability of Quality seed

Technology assessed: Assessment of Kharif onion varieties in Sundargarh upland Situation

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Yield component** | | | **Disease/ insect pest incidence (%)** | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  | **Weight of Bulb** |  |
| **FP** | 13 |  | 40 g |  |  | 145 | 108000 | 239250 | 131250 | 2.21 |
| **TO1** |  |  | 45 g |  |  | 168 | 112000 | 277200 | 165200 | 2.48 |
| **TO2** |  |  | 45 g |  |  | 171 | 112800 | 285450 | 171450 | 2.53 |

OFT-6

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of herbicides for weed management in Kharif Tomato |
| 2. | Problem diagnosed | Low yield of Tomato due to Heavy weed incidence in Early stages of Growth |
| 3. | Details of technologies selected for assessment/refinement | **F.P**- Manual Weeding  **TO1**- : Pre emergence application of Pendimethalin (30% EC) 1kg/ha a.i followed by one hand weeding on30 Days after Transplanting  **TO2**- Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i followed by one hand weeding on30 Days after Transplanting |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | agritech..tnau.ac.in 2016 |
| 5. | Production system and thematic area | Weed Management |
| 6. | Performance of the Technology with performance indicators | F. P- 176 q/Ha  TO-1 197 q/Ha  T0-2 203.5 q/ Ha |
| 7. | Final recommendation for micro level situation | Weedicide Metribuzin is very much effective in controlling weeds in Kharif Tomato |
| 8. | Constraints identified and feedback for research | Timely Availability of Herbicides |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting |

*Thematic area:* Weed Management

Problem definition: Low yield of Tomato due to Heavy weed incidence in early stages of Growth

Technology assessed: Assessment of herbicides for weed management in Kharif Tomato

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Yield component** | | | **Disease/ insect pest incidence (%)** | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  | **No of weeds per square meter** |  |
| **FP** | 7 |  | 26 |  |  | 176 | 115000 | 264000 | 149000 | 2.29 |
| **TO1** |  |  | 10 |  |  | 197 | 119000 | 295500 | 176500 | 2.48 |
| **TO2** |  |  | 6 |  |  | 203.5 | 120500 | 305250 | 184750 | 2.53 |

OFT-7

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment on Suitable cold Tolerant varieties of Oyster Mushroom during low temperature condition |
| 2. | Problem diagnosed | Reduced yield of oyster mushroom during low temperature condition |
| 3. | Details of technologies selected for assessment/refinement | TO1: Cultivation of oyster mushroom variety *P. florida*  TO2: Cultivation of oyster mushroom variety *Hypsizygus ulmarius* |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | CTMRT,2012-13 |
| 5. | Production system and thematic area | Homestead, Mushroom production |
| 6. | Performance of the Technology with performance indicators | Yield is more in *Hypsizygus ulmarius* variety and it is very good for processing(drying and powder |
| 7. | Final recommendation for micro level situation | Yield is more in *Hypsizygus ulmarius* variety and it is very good for processing(drying and powder |
| 8. | Constraints identified and feedback for research |  |
| 9. | Process of farmers participation and their reaction | Group meeting |

*Thematic area:* Mushroom production

Problem definition: Reduced yield of oyster mushroom during low temperature condition

Technology assessed: Assessment on Suitable cold Tolerant varieties of Oyster Mushroom during low temperature condition

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) | Yield  (kg/ bed ) | Cost of cultivation  (Rs./100eds) | Gross return (Rs./100beds) | Net return  (Rs./ha) | BC ratio |
| Avg .no of buttons | Avg .weight of buttons | No. of days for pin head appearance |
| FP | 7 | 42 | 27 | 12 | 6 | 1.4 | 5800 | 1,1200 | 7800 | 1.93 |
| TO1 | 7 | 27 | 25 | 13 | 8 | 2.0 | 5800 | 16000 | 11,500 | 2.75 |
| TO2 | 7 | 30 | 26 | 13 | 3 | 2.4 | 5800 | 19000 | 14,500 | 3.27 |

OFT-8

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of different methods of pasteurization of straw for controlling INKCAPS in paddy straw mushroom Bed. |
| 2. | Problem diagnosed | Lack of knowledge on pasteurization of substrate for controlling competitive mould (inkcap) |
| 3. | Details of technologies selected for assessment/refinement | TO1:Soaking of substrates in boiled water in 70-80 OC for 30 minutes  TO2:Soaking of substrates in 2% calcium carbonate for 6 hours  TO3:Soaking of substrates in 0.02% bleaching powder for 6 hours |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) | CTMRT:2012,OUAT |
| 5. | Production system and thematic area | Homestead, Income Generation |
| 6. | Performance of the Technology with performance indicators | Intensity of Infestation (in %)  FP- 40.30  TO1- 15.5  TO2- 5.0  TO3-8.5 |
| 7. | Final recommendation for micro level situation | Presoaking of substrate in 2%Calcium Carbonate for 6hours lowers the INKCAP infection |
| 8. | Constraints identified and feedback for research |  |
| 9. | Process of farmers participation and their reaction | Group meeting |

*Thematic area:* Income Generation

Problem definition: Reduction in profit margin due infestation of inkcaps which reduces yield

Technology assessed: **Assessment of different methods of pasteurization of straw for controlling INKCAPS in paddy straw mushroom Bed**

Table:

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
|  | No. of trials | %of incidence of INKCAPS | Yield (g/Bed) | Biological efficiency (%) | Cost of cultivation(rs.) | Net return(Rs.) | B;C ratio |
| FP | 7 | 40.30 | 480 | 4.8 | 120 | -16.0 | 1.85 |
| TO1 | 7 | 15.50 | 1040 | 11.4 | 125 | 103 | 2.8 |
| TO2 | 7 | 5.00 | 1250 | 12.5 | 125 | 125 | 2.35 |
| TO3 | 7 | 8.5 | 900 | 9.0 | 125 | 55 |  |

OFT-9

|  |  |  |
| --- | --- | --- |
| 1. | Title of On farm Trial | Assessment of different planting time for better market price of Tomato |
| 2. | Problem diagnosed | Distress sale of Tomato in rabi season |
| 3. | Details of technologies selected for assessment/refinement | F.P.- Farmers generally plant the seedling in the month of October  TO1 - Planting of seedling 30days before onset of normal planting period (2nd week of Sept.)  TO2 - Planting of seedling 30 days after completion of normal planting period (2nd week of Nov.) |
| 4. | Source of Technology (ICAR/ AICRP/SAU/other, please specify) |  |
| 5. | Production system and thematic area | Income generation |
| 6. | Performance of the Technology with performance indicators | FP- 292 q/ha (Rs.7.50/kg)  TO1- 263 q/ha (Rs. 9.00/kg)  TO2- 274 q/ha (Rs. 10.50/kg) |
| 7. | Final recommendation for micro level situation | Planting of seedling 30days after of normal planting period (2nd week of November.) |
| 8. | Constraints identified and feedback for research | Lack of awareness among farmers about planting time |
| 9. | Process of farmers participation and their reaction | Individual contact, Group meeting |

*Thematic area:* Income generation

Problem definition: Distress sale of Tomato in rabi season

Technology assessed: Assessment of different planting time for better market price of Tomato

Table:

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Technology option** | **No. of trials** | **Yield component** | | | **Market Price**  **(Rs./Kg)** | **Yield**  **(q/ha)** | **Cost of cultivation**  **(Rs./ha)** | **Gross return (Rs/ha)** | **Net return**  **(Rs./ha)** | **BC ratio** |
|  |  |  |
| FP | 7 |  |  |  | 7.50 | 292 | 102000 | 219000 | 117000 | 2.15 |
| TO1 |  |  |  |  | 9.00 | 263 | 104000 | 236700 | 132700 | 2.28 |
| TO2 |  |  |  |  | 10.50 | 274 | 105000 | 287700 | 182700 | 2.78 |

**3.2 Achievements of Frontline Demonstrations**

**A. Details of FLDs conducted during the year**

Cereals

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop | Thematic area | Technology Demonstrated with detailed treatments | Area (ha) | | No. of farmers/  demonstration | | | | | | | | | Reasons for shortfall in achievement |
| Proposed | Actual | SC | | ST | | Others | | Total | | |
| M | F | M | F | M | F | M | F | T |
| 1. | Rice | Varietal Evaluation | Cultivation of BPH tolerant variety Hasanta  Seed rate 25-30 kg/ha, Line transplanting, seed treatment with vitavax @ 2g/Kg of seed, Soil test based fertilizer application | 01 | 01 |  |  | 09 | 01 |  |  | 09 | 01 | 10 |  |
| 2. | Finge rmillet | Nutrient management | Integrated Nutrient Management in Ragi  Seed inoculation with Azospirillum. Application of FYM (to supply 50% N) along with 50% N-P2O5-K2O (30-20-20 kg/ha) through chemical fertilizers | 01 | 01 |  |  | 06 | 04 |  |  | 06 | 04 | 10 |  |

**Details of farming situation**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Season | Farming situation (RF/Irrigated) | Soil type | Status of soil  (Kg/ha) | | | Previous crop | Sowing date | Harvest date | Seasonal rainfall (mm) | No. of rainy days |
| N | P2O5 | K2O |
| Rice | Kharif | Rainfed | Red Black soil | 261.4 | 23.6 | 122.7 | Chickpea | 3rd-4th week of June | Mid Nov | 780 | 66 |
| Finger millet | Kharif | Rainfed | Red Lateritic soil | 239.8 | 21.5 | 119.4 | Green gram | 3rd-4th week of July | Mid Nov | 750 | 64 |

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

**Performance of FLD**

Oilseeds:

Frontline demonstrations on oilseed crops

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Thematic Area | Name of the technology demonstrated | No. of Farmers | Area  (ha) | Yield (q/ha) | | % Increase | \*Economics of demonstration (Rs./ha) | | | | \*Economics of check  (Rs./ha) | | | |
| Demo | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| mustard | Nutrient Management | Demonstration of Integrated Nutrient Management in mustard | 10 | 1 | Ongoing |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Pulses   
Frontline demonstration on pulse crops

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

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

\*\* BCR= GROSS RETURN/GROSS COST

Other crops

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Thematic area | Name of the technology demonstrated | No. of Farmer | Area  (ha) | Yield (q/ha) | | % change in yield | Other parameters | | \*Economics of demonstration (Rs./ha) | | | | \*Economics of check  (Rs./ha) | | | |
| Demonst  ration | Check | Demo | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Rice | Varietal introduction | Cultivation of BPH tolerant variety Hasanta | 10 | 01 | 16.5 | 39.1 | 15 | Incidence of BPH  Nil | Incidence of BPH  Nil | 38200 | 74400 | 36200 | 1.9 | 36500 | 62560 | 26060 | 1.7 |
| Fingermillet | Nutrient Management | Demonstration of Integrated Nutrient Management in Ragi | 10 | 01 | 9.2 | 7.6 | 21 | No. of tillers/hill  3.9 | No. of tillers/hill  2.2 | 15100 | 30314 | 15210 | 2.0 | 14600 | 25042 | 10442 | 1.72 |
| Mustard | Nutrient management | Demonstration of Integrated Nutrient Management in mustard | 10 | 01 | Ongoing |  |  |  |  |  |  |  |  |  |  |  |  |
| Vegetables | Nutritional Security | Demonstration of nutritional garden | 50 | 1 | 49.25 | 32.8 | 53.9 | Vegetable consumption/  day/person  370 g | Vegetable consumption/  day/person  220g | 42000 | 90500 | 48500 | 3.15 | 34600 | 63800 | 29200 | 1.84 |
| Chilli | Nutrient Management | Demonstration of Integrated nutrient management in Chilli | 10 | 1 | 97.5 | 85 | 14.7% | No of Fruits/plant  88.91 | No of Fruits/plant  77.56 | 95400 | 243750 | 148350 | 2.56 | 92800 | 212500 | 119700 | 2.29 |
| Mango | ICM | Demonstration on management of alternate bearing in Mango | 10 | 1 | 31 kg/plant | 12 kg/plant | 158% | No of Fruits/plant  155 | No of Fruits/plant  60 | 195/plant | 496/plant | 301/plant | 2.54 | 120/plant | 192/plant | 72/plant |  |
| Banana | Nutrient Management | Demonstration of bunch feeding in Banana | 10 | 1 | 462.5 | 405 | 14.19% | Avg Bunch weight  18.5kg | Avg Bunch weight  16.2kg | 298500 | 693750 | 395250 | 2.33 | 286000 | 607500 | 395250 | 2.12 |
| Bottle gourd | Nutrient Management | Demonstration of integrated nutrient management in Bottle gourd | 10 | 1 | 290 | 252 | 15% | Fruit weight  Per plant  11.6 kg | Fruit weight  Per plant  10.08kg | 80000 | 232000 | 152000 | 2.89 | 76500 | 201600 | 125100 | 2.66 |
| Marigold | IPM | Demonstration on Integrated management of Mites in Marigold | 10 | 1 | 122 | 109 | 12 | No of mites/top 3leaves/plant  3.4 | No of mites/top 3leaves/plant  13.0 | 125000 | 488000 | 363000 | 3.90 | 123500 | 436000 | 312500 | 3.53 |
| Tomato | IPM | Demonstration on leafcurl management in Tomato | 10 | 1 | 269 | 228 | 18 | No of whiteflies/top 3leaves/plant  7.3 | No of whiteflies/top 3leaves/plant  1.4 | 93000 | 249600 | 90400 | 2.25 | 90500 | 211200 | 119700 | 1.98 |
| Chilli | IPM | Demonstration on Integrated management of thrips in Rabi chilli | 10 | 1 | 91 | 76 | 19 | No of thrips/Top 3 leaves  RP-9.2 | FP-1.5 | 83000 | 225000 | 142000 | 2.34 | 81000 | 190000 | 109000 | 2.71 |
| Tomato | INM | Demonstration on management of Blossom End Rot in Tomato | 10 | 1 | 255 | 236 | 8 | No of infected fruits/sq.mt  4.0 | No of infected fruits/sq.mt  1.1 | 92500 | 188800 | 96300 | 2.43 | 94500 | 229500 | 135000 | 2.04 |

Livestock

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Thematic  area | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters(Body wtafter 3weeks) | | % change in major parameter | Other parameter(Mortality%) | | \*Economics of demonstration (Rs.) | | | | \*Economics of check  (Rs.) | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Dairy |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Buffalo |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry | Income generation | Demonstration on Artificial brooding management in chicks | 10 | 100birds | 265(after 3weeks) | 230(after 3weeks) | 16 | 0 | 12 | 2720 | 5520 | 2800 | 2.03 | 2250 | 3450 | 1200 | 1.53 |
| Poultry | Income generation | Demonstration on improved poultry breed kadaknath | 40 | 400 | 2.4kg/bird(after 6months) | 1.9kg/bird(after 6months)- | 26 | 3 | 5 | 4650 | 7500 | 2850 | 3.6 | 1140 | 2390 | 1250 | 2.43 |
| Rabbitry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pigerry |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Duckery |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

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

\*\* BCR= GROSS RETURN/GROSS COST

Fisheries

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

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

\*\* BCR= GROSS RETURN/GROSS COST

Other enterprises

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Category | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters **No. of healthy seedligs per sq.metre** | | % change in major parameter | Other parameter **Damping of%** | | \*Economics of demonstration (Rs.) or Rs./unit | | | | \*Economics of check  (Rs.) or Rs./unit | | | |
| Demons  ration | Check | Demons  ration | Check | Gross  Cost | Gross  Return | Net Return | \*\*  BCR | Gross  Cost | Gross  Return | Net Return | \*\*  BCR |
| Paddy straw mushroom | Demonstration on Cultivation of Paddy Straw Mushroom | 10 | 20 | 135 | 72 | 50 |  |  | 12300 | 30000 | 19700 | 2.4 | 8600 | 17000 | 8400 |  |
| Oyster mushroom | Demonstration on Cultivation of Oyster mushroom | 10 | 20 | 220kg./ 100bed | 140kg./ 100bed | 57 |  |  | 4000/- | 17600 | 1,6900/- | 4.4 | 4000/- | 11200 | 7,200/- | 2.8 |
| Vermicompost | Demonstration of Vermicompost production by using spent mushroom substrate | 10 | 5 | On going |  |  |  |  |  |  |  |  |  |  |  |  |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Apiculture |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others (pl.specify) |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Total | |  |  |  | | | | | | | | | | | | |

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

\*\* BCR= GROSS RETURN/GROSS COST

Women empowerment

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

Farm implements and machinery

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

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

**\*\* BCR= GROSS RETURN/GROSS COST**

Demonstration details on crop hybrids

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Name of the Hybrid | No. of  farmers | Area  (ha) | Yield (kg/ha) / major parameter | | | Economics (Rs./ha) | | | |
| Cereals | Demo | Local check | % change | Gross  Cost | Gross  Return | Net  Return | BCR |
|  |  |  |  |  |  |  |  |  |  |  |
| Bajra |  |  |  |  |  |  |  |  |  |  |
| Maize | Kalingaraj | 25 | 5 | 52 | 38 | 37 | 49800 | 93600 | 43800 | 1.88 |
| Paddy |  |  |  |  |  |  |  |  |  |  |
| Sorghum |  |  |  |  |  |  |  |  |  |  |
| Wheat |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Oilseeds |  |  |  |  |  |  |  |  |  |  |
| Castor |  |  |  |  |  |  |  |  |  |  |
| Mustard |  |  |  |  |  |  |  |  |  |  |
| Safflower |  |  |  |  |  |  |  |  |  |  |
| Sesame |  |  |  |  |  |  |  |  |  |  |
| Sunflower |  |  |  |  |  |  |  |  |  |  |
| Groundnut |  |  |  |  |  |  |  |  |  |  |
| Soybean |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Pulses |  |  |  |  |  |  |  |  |  |  |
| Greengram |  |  |  |  |  |  |  |  |  |  |
| Blackgram |  |  |  |  |  |  |  |  |  |  |
| Bengalgram |  |  |  |  |  |  |  |  |  |  |
| Redgram |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Vegetable crops |  |  |  |  |  |  |  |  |  |  |
| Bottle gourd |  |  |  |  |  |  |  |  |  |  |
| Capsicum |  |  |  |  |  |  |  |  |  |  |
| Cucumber |  |  |  |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |  |  |  |
| Okra |  |  |  |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |  |  |  |
| Potato |  |  |  |  |  |  |  |  |  |  |
| Field bean |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Commercial crops |  |  |  |  |  |  |  |  |  |  |
| Cotton |  |  |  |  |  |  |  |  |  |  |
| Coconut |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |
| Fodder crops |  |  |  |  |  |  |  |  |  |  |
| Napier (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Maize (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Sorghum (Fodder) |  |  |  |  |  |  |  |  |  |  |
| Others (Pl. specify) |  |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |  |

Technical Feedback on the demonstrated technologies

|  |  |  |
| --- | --- | --- |
| Sl. No | Crop | Feed Back |
| 1 | Chilli | Application of Recommended dose of NPK, along with Biofertilizer Azospirillium is very much effective in yield enhancement of chilli |
| 5 | Mushroom | Yield is more in Hypsizygus ulmarius variety and it is very good for processing(drying and powder) |
| 6 | Poultry | Production potential (meat and egg)of aseel breed is more compared to Kadaknath breed but the later fetches more income due to its taste and quality of meat |
| 6 | Tomato | Calcium is easily available in local market in the form of calcium Nitrate and calcium chloride and cost effective against BER |
| 7 | Marigold | Alternate spraying of Novel chemicals like Proparzite and Spiromecifen found very much effective against Mites |
| 8 | Chilli | Seed treatment along with new generation insecticide cum Miticide found very much effective |
| 9 | Tomato | Chemical management found effective only at initial stage that means before flowering against Leaf curl |

Extension and Training activities under FLD

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Activity | Date | No. of activities organized | Number of participants | Remarks |
| 1. | Field days |  | 03 | 150 | Field Day on Fieldpea  Field Day on Garden pea  Field Day on Black gram |
| 2. | Farmers Training |  | 65 | 1455 | Weed management in Rice, INM in Ragi, Rice-fallow green gram, Improved cultivation practices of Banana, Marigold,Mushroom cultivation, Nutritional Gardening, IPM practices for Rice, etc. |
| 3. | Media coverage |  |  |  |  |
| 4. | Training for extension functionaries |  | 04 | 60 | Training for extension personnel from Horticulture and Agriculture Department |

**Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2021 and Rabi 2021-22:**

1. **Technical Parameters:**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop demonstrated | Existing (Farmer's) variety name | Existing yield  (q/ha) | Yield gap (Kg/ha)  w.r.to | | | Name of Variety + Technology  demonstrated | Number of farmers | Area in ha | Yield obtained (q/ha) | | | Yield gap minimized  (%) | | |
| District  yield (D) | State  yield (S) | Potential  yield (P) |
| Max. | Min. | Av. | D | S | P |
| 1 | Black gram | Mala Biri | 4.8 | 4.78 | 5.04 | 8.0 | Variety- Indira  Seed rate-20kg/Ha, Seed treatment with Carbendazim 50% @2g/kg of seed followed by Seed inoculation with *Rhizobium* culture@20g/kg of seed, Line sowing spaced at 30X10 cm. Weed management by the application of Pendimethylene @3 litre/ha. Application of PSB @ 5 kg/Ha . Micro nutrient application @12.5 kg/Ha.Pest management by Imidacloprid 17.8 SL@ 125mlg/Ha & Profeonophos+Chloro @ 1litre/Ha, | 18 | 10 | 7.7 | 5.8 | 6.4 | 59% | 50.8% | 72.4% |

1. **Economic parameters**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Variety demonstrated & Technology demonstrated | Farmer’s Existing plot | | | | Demonstration plot | | | |
| Gross Cost  (Rs/ha) | Gross return  (Rs/ha) | Net Return  (Rs/ha) | B:C  ratio | Gross Cost  (Rs/ha) | Gross return  (Rs/ha) | Net Return  (Rs/ha) | B:C  ratio |
| 1 | Variety- Indira Seed rate-20kg/Ha, Seed treatment with Carbendazim @2g/kg of seed. Seed inoculation with Rhizobium @20g/kg of seed, Line sowing spaced at 30X10 cm. Weed management by the application of Pendimethylene @3 litre/ha. Application of PSB @ 5 Kg/ Ha . Micronutrient application with 12.5 kg/ha. Pest management by Imidacloprid @ 125ml/Ha & Profeonophos+Chloro @ 1litre/Ha. | 22600 | 33600 | 11000 | 1.49 | 24400 | 44800 | 20400 | 1.84 |

1. **Socio-economic impact parameters**

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Crop and variety  Demonstrated | Total Produce  Obtained (kg) | Produce sold  (Kg/household) | Selling  Rate  (Rs/Kg) | Produce used for own sowing (Kg) | Produce distributed to other farmers (Kg) | Purpose for which income gained was utilized | Employment Generated (Mandays/house hold) |
| 1 | Black gram  Variety- Indira | 6400 | 355kg/household | Rs 70/kg | 360 kg | 6040 kg | House hold expenses | 56 |

1. **Farmers’ perception of the intervention demonstrated**

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Technologies demonstrated  (with name) | Farmers' Perception parameters | | | | | |
| Suitability to their farming system | Likings  (Preference) | Affordability | Any negative effect | Is Technology acceptable to all in the group/village | Suggestions, for change/improvement, if any |
|  |  |  |  |  |  |  |  |

1. **Specific Characteristics of Technology and Performance**

|  |  |  |  |
| --- | --- | --- | --- |
| Specific Characteristic | Performance | Performance of Technology vis-a vis Local Check | Farmers Feedback |
| Variety | Suitable to the rainfed upland | Average performance | Variety Indira is highly appreciated for its germination and yield is better than their existing variety |
| Seed treatment &seed inoculation | Soil borne, seed borne disease controlled | Incidence of Diseases | Disease in Black gram is minimized by seed treatment with Carbendazim |
| Sucking pest management | Mosaic disease controlled | Sucking pest infestation is there | Sucking pest damage is minimized by application of Imidacloprid 17.8 SL |
| Weed management | Weed population is less than the local practice | Weed population is there | Weed population is minimized by Application of Pendimethylene followed by one hand weeding |

1. **Extension activities under FLD conducted till dates:**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Extension Activities organized | Date and place of activity | Number of farmer attended |
|  | Site selection, Input distribution, | 18.08.2021 Karmabahal | 18 |
|  | Training & field visit | 13.09.2021 Karmabahal | 25 |
|  | Field Visit | 29.09.2021 Karmabahal | 15 |
|  | Field Visit | 6.11.2021 Karmabahal | 15 |
|  | Field Day | 20.11.2021, Karmabahal | 50 |

**G. Sequential good quality photographs (as per crop stages i.e. growth & development)**

|  |  |  |
| --- | --- | --- |
| **WhatsApp Image 2022-01-31 at 12** |  | **WhatsApp Image 2021-11-20 at 14** |

**H. Farmers' training photograph**

|  |  |  |
| --- | --- | --- |
| **WhatsApp Image 2022-02-17 at 17** | **F:\pictures_kvk_yearwise\year 2021-2022\CFLD\CFLD_BLACK GRAM\WhatsApp Image 2021-08-27 at 08.29.50.jpeg** |  |

**I. Quality Photographs of field visits/field days and technology demonstrated.**

|  |  |  |
| --- | --- | --- |
| F:\pictures_kvk_yearwise\year 2021-2022\CFLD_BLACK GRAM\WhatsApp Image 2021-08-19 at 15.33.46.jpeg | WhatsApp Image 2022-01-31 at 12 | **WhatsApp Image 2022-01-31 at 12** |

**J. Details of budget utilization**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Crop  (provide crop wise information ) | Items | Budget  Received  (Rs.) | Budget  Utilization  (Rs.) | Balance  (Rs.) |
| Blackgram | i) Critical input | - | 65000 | - |
| ii) TA/DA/POL etc. for monitoring | - | 7500 | - |
| iii) Extension Activities (Field day) | - | 6250 | - |
| iv)Publication of literature | - |  | - |
|  | Total | 42700 | **78750** |  |

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

1. **Farmers and farm women (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| **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 |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery raising |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Design and development of low/minimum cost diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Designing and development for high nutrient efficiency diet |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Minimization of nutrient loss in processing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Gender mainstreaming through SHGs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Storage loss minimization techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Income generation activities for empowerment of rural Women |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Location specific drudgery reduction technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VI.Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**B) Rural Youth (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| Mushroom Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para vets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Para extension workers |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**C) Extension Personnel (on campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| Productivity enhancement in field crops |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| 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 |  |  |  |  |  | |  |  |  |  |  |  |  |  |

**D) Farmers and farm women (off campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | | ST | | |
|  | M | F | T | M | F | | T | M | F | T | M | F | T |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production | 04 | 0 | 0 | 0 | 0 | 0 | | 0 | 60 | 40 | 100 | 60 | 40 | 100 |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management | 2 | 16 | 09 | 25 | 0 | 0 | | 0 | 15 | 10 | 25 | 31 | 19 | 50 |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment | 1 | 15 | 10 | 25 | 0 | 0 | | 0 | 0 | 0 | 0 | 15 | 10 | 25 |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables | 2 | 14 | 11 | 25 | 0 | 0 | | 0 | 16 | 9 | 25 | 30 | 20 | 50 |
| Nursery raising | 1 | 5 | 11 | 16 | 1 | 0 | | 1 | 3 | 5 | 8 | 9 | 16 | 25 |
| Export potential vegetables | 1 | 8 | 7 | 15 | 5 | 3 | | 8 | 1 | 1 | 2 | 14 | 11 | 25 |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) | 2 | 14 | 0 | 14 | 0 | 0 | | 0 | 27 | 9 | 36 | 41 | 9 | 50 |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards | 1 | 16 | 8 | 24 | 0 | 0 | | 0 | 1 | 0 | 1 | 17 | 8 | 25 |
| Cultivation of Fruit | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 33 | 17 | 50 | 33 | 17 | 50 |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 14 | 11 | 25 | 14 | 11 | 25 |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any Goat farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 2 |  |  |  |  |  | |  |  | 50 | 50 |  | 50 | 50 |
| 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 | 1 |  |  |  |  |  | |  |  | 25 | 25 |  | 25 | 25 |
| Enterprise development | 2 |  |  |  |  |  | |  |  | 50 | 50 |  | 50 | 50 |
| Value addition | 1 |  |  |  |  |  | |  |  | 25 | 25 |  | 25 | 25 |
| Income generation activities for empowerment of rural Women | 2 |  |  |  |  |  | |  |  | 50 | 50 |  | 50 | 50 |
| Location specific drudgery reduction technologies | 1 |  |  |  |  |  | |  |  | 25 | 25 |  | 25 | 25 |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VI.Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 6 | 5 | 5 | 10 | 2 | - | | 2 | 87 | 51 | 138 | 94 | 56 | 150 |
| Integrated Disease Management | 3 | 20 | - | 20 | - | - | | - | 46 | 9 | 55 | 66 | 9 | 75 |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 3 | 2 | 18 | 20 | - | | - | - | 31 | 24 | 55 | 33 | 42 | 75 |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 3 | 15 | 10 | 25 |  | | 7 | 7 | 18 | 32 | 50 | 33 | 42 | 75 |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| XI Agro-forestry |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. Specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **41** | **130** | **89** | **219** | **2** | | **7** | **9** | **352** | **443** | **795** | **490** | **535** | **1025** |

**E) RURAL YOUTH (Off Campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | ST | | |
|  | M | F | T | M | F | T | M | F | T | M | F | T |
| Mushroom Production | 1 | 2 | 4 | 6 | 1 | 2 | 3 | 2 | 4 | 6 | 5 | 10 | 15 |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Seed production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Farming | 01 | 2 | - | 2 | - | - | - | 13 | - | 13 | 15 | - | 15 |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi-culture | 01 | 7 | - | 7 | - | - | - | 8 | - | 8 | 15 | - | 15 |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Protected cultivation of vegetable crops | 1 | 4 | 0 | 4 |  |  | 0 | 11 | 0 | 11 | 15 | 0 | 15 |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Training and pruning of orchards | 1 | 8 | 0 | 8 | 0 | 0 | 0 | 7 | 0 | 7 | 15 | 0 | 15 |
| Value addition | 1 |  | 6 | 6 |  | 2 | 2 |  | 8 | 8 |  | 15 | 15 |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Dairying |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Poultry production |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Entrepreneurship Development | 2 | 3 | 2 | 5 |  |  |  | 19 | 6 | 25 | 22 | 8 | 30 |
| Para extension workers |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Composite fish culture |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Freshwater prawn culture |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cold water fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fish harvest and processing technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Fry and fingerling rearing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Small scale processing |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tailoring and Stitching |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rural Crafts |  |  |  |  |  |  |  |  |  |  |  |  |  |
| TOTAL | 8 | 26 | 12 | 38 | 1 | 4 | 5 | 60 | 18 | 78 | 87 | 33 | 120 |

**F) Extension Personnel (Off Campus)**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Other | | | SC | | | ST | | |
|  | M | F | T | M | F | T | M | F | T | M | F | T |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards | 1 | 9 | 1 | 10 | 0 | 0 | 0 | 3 | 2 | 5 | 12 | 3 | 15 |
| 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 | 1 | 3 | 3 | 6 | 1 | 2 | 6 | 2 | 4 | 6 | 6 | 9 | 15 |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **2** | **12** | **4** | **16** | **1** | **2** | **6** | **5** | **6** | **11** | **18** | **12** | **30** |

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

**i. Farmers & Farm Women**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | | **Grand Total** | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | | **ST** | | |
|  | **M** | **F** | **T** | **M** | **F** | | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| **I. Crop Production** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Weed Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Resource Conservation Technologies |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Cropping Systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Crop Diversification |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Farming |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Seed production | 04 | 0 | 0 | 0 | 0 | 0 | | 0 | 60 | 40 | 100 | 60 | 40 | 100 |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Crop Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Fodder production |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, (cultivation of crops ) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL | **4** |  |  |  |  |  | |  | 60 | 40 | 100 | 60 | 40 | 100 |
| **II. Horticulture** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **a) Vegetable Crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated nutrient management | 2 | 16 | 09 | 25 | 0 | 0 | | 0 | 15 | 10 | 25 | 31 | 19 | 50 |
| Water management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Enterprise development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Skill development |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Yield increment | 1 | 15 | 10 | 25 | 0 | 0 | | 0 | 0 | 0 | 0 | 15 | 10 | 25 |
| Production of low volume and high value crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Off-season vegetables | 2 | 14 | 11 | 25 | 0 | 0 | | 0 | 16 | 9 | 25 | 30 | 20 | 50 |
| Nursery raising | 1 | 5 | 11 | 16 | 1 | 0 | | 1 | 3 | 5 | 8 | 9 | 16 | 25 |
| Export potential vegetables | 1 | 8 | 7 | 15 | 5 | 3 | | 8 | 1 | 1 | 2 | 14 | 11 | 25 |
| Export potential vegetables |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Grading and standardization |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Protective cultivation (Green Houses, Shade Net etc.) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Cultivation of Vegetable) | 2 | 14 | 0 | 14 | 0 | 0 | | 0 | 27 | 9 | 36 | 41 | 9 | 50 |
| **TOTAL** | **9** | **72** | **48** | **120** | **6** | **0** | | **9** | **62** | **34** | **96** | **140** | **85** | **225** |
| **b) Fruits** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Training and Pruning |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Layout and Management of Orchards | 1 | 16 | 8 | 24 | 0 | 0 | | 0 | 1 | 0 | 1 | 17 | 8 | 25 |
| Cultivation of Fruit | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 33 | 17 | 50 | 33 | 17 | 50 |
| Management of young plants/orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rejuvenation of old orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential fruits |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro irrigation systems of orchards |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Plant propagation techniques |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any(INM) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **TOTAL** | **3** | **16** | **8** | **24** | **0** | **0** | | **0** | **34** | **17** | **51** | **50** | **25** | **75** |
| **c) Ornamental Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of potted plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Export potential of ornamental plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Propagation techniques of Ornamental Plants |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **d) Plantation crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **e) Tuber crops** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 14 | 11 | 25 | 14 | 11 | 25 |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **TOTAL** | **1** | **0** | **0** | **0** | **0** | **0** | | **0** | **14** | **11** | **25** | **14** | **11** | **25** |
| **f) Spices** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and Management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **g) Medicinal and Aromatic Plants** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and management technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post harvest technology and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **III. Soil Health and Fertility Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil fertility management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Conservation |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Nutrient Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production and use of organic inputs |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Management of Problematic soils |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Micro nutrient deficiency in crops |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Nutrient Use Efficiency |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Soil and Water Testing |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **IV. Livestock Production and Management** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Dairy Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Poultry Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Piggery Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Rabbit Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Disease Management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Feed management |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of quality animal products |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any (Goat farming) |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **V. Home Science/Women empowerment** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Household food security by kitchen gardening and nutrition gardening | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 50 | 0 | 0 | 50 | 50 |
| 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 | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 25 | 0 | 0 | 25 | 25 |
| Enterprise development | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 50 | 0 | 0 | 50 | 50 |
| Value addition | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 25 | 0 | 0 | 25 | 25 |
| Income generation activities for empowerment of rural Women | 2 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 0 | 0 | 0 | 50 | 50 |
| Location specific drudgery reduction technologies | 1 | 0 | 0 | 0 | 0 | 0 | | 0 | 0 | 25 | 0 | 0 | 25 | 25 |
| Rural Crafts |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Capacity building |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Women and child care |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **TOTAL** | **9** | **0** | **0** | **0** | **0** | **0** | | **0** | **0** | **175** | **0** | **0** | **225** | **225** |
| **VI. Agril. Engineering** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Installation and maintenance of micro irrigation systems |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Use of Plastics in farming practices |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of small tools and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Small scale processing and value addition |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Post Harvest Technology |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| **VII. Plant Protection** |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Integrated Pest Management | 6 | 5 | 5 | 10 | 2 | - | | 2 | 87 | 51 | 138 | 94 | 56 | 150 |
| Integrated Disease Management | 3 | 20 | - | 20 | - | - | | - | 46 | 9 | 55 | 66 | 9 | 75 |
| Bio-control of pests and diseases |  |  |  |  |  |  | |  |  |  |  |  |  |  |
| Production of bio control agents and bio pesticides |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any | 3 | 2 | 18 | 20 | - | | - | - | 31 | 24 | 49 | 33 | 42 | 75 |
| **TOTAL** | **12** | **27** | **23** | **50** | **2** | | **-** | **2** | **164** | **84** | **242** | **193** | **107** | **300** |
| **VIII. Fisheries** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated fish farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp breeding and hatchery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Carp fry and fingerling rearing |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Composite fish culture & fish disease |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Hatchery management and culture of freshwater prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Breeding and culture of ornamental fishes |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Portable plastic carp hatchery |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pen culture of fish and prawn |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Shrimp farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Edible oyster farming |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Pearl culture |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Fish processing and value addition |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **IX. Production of Inputs at site** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Seed Production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Planting material production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-agents production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-pesticides production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Bio-fertilizer production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Vermi-compost production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Organic manures production |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of fry and fingerlings |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Bee-colonies and wax sheets |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Small tools and implements |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of livestock feed and fodder |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production of Fish feed |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **X. Capacity Building and Group Dynamics** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Leadership development |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Group dynamics |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Formation and Management of SHGs |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Mobilization of social capital |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Entrepreneurial development of farmers/youths | 3 | 15 | 10 | 25 |  | | 7 | 7 | 18 | 32 | 50 | 33 | 42 | 75 |
| WTO and IPR issues |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **3** | **15** | **10** | **25** |  | | **7** | **7** | **18** | **32** | **50** | **33** | **42** | **75** |
| **XI Agro-forestry** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Production technologies |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Nursery management |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| Integrated Farming Systems |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| TOTAL |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **XII. Others (Pl. specify)** |  |  |  |  |  | |  |  |  |  |  |  |  |  |
| **TOTAL** | **41** | **130** | **89** | **219** | **2** | | **7** | **9** | **352** | **443** | **795** | **490** | **535** | **1025** |

**ii. RURAL YOUTH (On and Off Campus)**

| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Other** | | | **SC** | | | **ST** | | |
|  | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | | **T** |
| Mushroom Production | 1 | 2 | 4 |  | 1 | 2 | 3 | 2 | 4 | 6 |  |  | 15 | |
| Bee-keeping |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Integrated Farming | 01 | 2 | - | 2 | - | - | - | 13 | - | 13 | 15 | - | 15 | |
| Seed production |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Production of organic inputs |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Planting material production |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Vermi-culture | 01 | 7 | - | 7 | - | - | - | 8 | - | 8 | 15 | - | 15 | |
| Sericulture |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Protected cultivation of vegetable crops | 1 | 4 | 0 | 4 | 0 | 0 | 0 | 11 | 0 | 11 | 15 | 0 | 15 | |
| Commercial fruit production |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Repair and maintenance of farm machinery and implements |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Nursery Management of Horticulture crops |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Training and pruning of orchards | 1 | 8 | 0 | 8 | 0 | 0 | 0 | 7 | 0 | 7 | 15 | 0 | 15 | |
| Value addition | 1 | 0 | 5 | 5 | 0 | 2 | 2 | 0 | 8 | 8 | 0 | 15 | 15 | |
| Production of quality animal products |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Dairying |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Sheep and goat rearing |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Quail farming |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Piggery |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Rabbit farming |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Poultry production |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Ornamental fisheries |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Entrepreneurship Development | 2 | 3 | 2 | 5 |  |  |  | 19 | 6 | 25 | 22 | 8 | 30 | |
| 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 |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Enterprise development |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| Others if any (ICT application in agriculture) |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| **TOTAL** | **8** | **26** | **12** | **38** | **1** | **4** | **5** | **60** | **18** | **78** | **87** | **33** | **120** | |

**iii. Extension Personnel (On and Off Campus)**

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Thematic Area** | **No. of Courses** | **No. of Participants** | | | | | | | | | **Grand Total** | | |
| **Other** | | | **SC** | | | **ST** | | |
| **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** | **M** | **F** | **T** |
| Productivity enhancement in field crops |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Pest Management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Integrated Nutrient management |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rejuvenation of old orchards | 1 | 9 | 1 | 10 | 0 | 0 | 0 | 3 | 2 | 5 | 12 | 3 | 15 |
| Value addition |  |  |  |  |  |  |  |  |  |  |  |  |  |
| 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 | 1 | 3 | 3 | 6 | 1 | 2 | 6 | 2 | 4 | 6 | 6 | 9 | 15 |
| Crop intensification |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Others if any |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **TOTAL** | **2** | **12** | **4** | **16** | **1** | **2** | **6** | **5** | **6** | **11** | **18** | **12** | **30** |

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

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Discipline** | **Clientele** | **Title of the training programme** | **Duration in days** | **Venue (Off / On Campus)** | **Number of participants** | | | **Number of SC/ST** | | |
| **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| Plant Protection | Farmer and Farm women | Training on integrated management of YMV in Blackgram. | 1 | Off Campus | 23 | 2 | 25 | 20 | 2 | 22 |
|  |  | Training on major pest and disease management in paddy. | 1 | Off Campus | 7 | 18 | 25 | 6 | 17 | 23 |
|  |  | Training on Integrated Pest Management in Paddy | 1 | Off Campus | 15 | 10 | 25 | 14 | 9 | 23 |
|  |  | Training on major pest and disease management in Banana | 1 | Off Campus | 25 | - | 25 | 11 | - | 11 |
|  |  | Training on Integrated Pest Management DBM in Cole crops | 1 | Off Campus | 25 | - | 25 | 23 | - | 23 |
|  |  | Training on thrips and mites management in chilly | 1 | Off Campus | 7 | 18 | 25 | 7 | 18 | 25 |
|  |  | Training on integrated management of melon fruit fly in cucurbits. | 1 | Off Campus | 22 | 3 | 25 | 22 | 3 | 25 |
|  |  | Training on Pest and disease management in Marigold | 1 | Off Campus | 18 | 7 | 25 | 15 | 4 | 19 |
|  |  | Training on management of Blossom End rot in Tomato | 1 | Off Campus | 7 | 18 | 25 | 7 | 18 | 25 |
|  |  | Training on different IDM practices in solanaceous crop | 1 | Off Campus | 18 | 7 | 25 | 15 | 7 | 22 |
|  |  | Awareness cum Training program on scientific Bee keeping | 1 | Off Campus | 6 | 19 | 25 | 4 | 2 | 6 |
|  |  | Training programme on Bee keeping | 1 | Off Campus | 20 | 5 | 25 | 20 | 5 | 25 |
|  | Rural Youth | Methods of preparation of Bordeaux mixture | 2 | Off Campus | 15 | - | 15 | 13 | - | 13 |
|  |  | Methods of Vermicomposting | 2 | Off Campus | 15 | - | 15 | 8 | - | 8 |
| Horticulture | Farmer/Farm women | Integrated nutrient management in Bottle gourd | 1 | Off Campus | 25 | 0 | 25 | 25 | 0 | 25 |
|  |  | Integrated Nutrient Management in Cucurbits | 1 | Off Campus | 18 | 7 | 25 | 18 | 7 | 25 |
|  |  | Inter cropping in mango orchards | 1 | Off Campus | 25 | 0 | 25 | 7 | 0 | 7 |
|  |  | Improved cultivation practices of Kharif Potato | 2 | Off Campus | 38 | 12 | 50 | 22 | 0 | 22 |
|  |  | Integrated Nutrient management in Solannaceous vegetable | 1 | Off Campus | 25 | 0 | 25 | 25 | 0 | 25 |
|  |  | Improved cultivation practices of onion | 1 | Off Campus | 25 | 0 | 25 | 25 | 0 | 25 |
|  |  | Improved Cultivation Practices of Papaya | 1 | Off Campus | 25 | 0 | 25 | 12 | 0 | 12 |
|  |  | INM in Sweet Potato | 1 | Off Campus | 19 | 6 | 25 | 19 | 6 | 25 |
|  |  | Physiological disorder of winter vegetables | 2 | Off Campus | 50 | 0 | 50 | 37 | 0 | 37 |
|  |  | Improved Cultivation Practices of Bannana | 1 | Off Campus | 5 | 20 | 25 | 0 | 4 | 4 |
|  | Rural Youth | Training & Pruning of Orchards | 2 | Off Campus | 15 | 0 | 15 | 11 | 0 | 11 |
|  |  | Protected cultivation of Vegetable | 2 | Off Campus | 15 | 0 | 0 | 7 | 0 | 7 |
|  | Extension Personnel | Rejuvenation of Old Orchards | 2 | Off Campus | 9 | 6 | 15 | 2 | 4 | 6 |
|  | Vocational | Commercial Propagation method of Fruit Crops | 3 | Off Campus | 10 | 0 | 10 | 10 | 0 | 10 |
| Home Science | Farmer and Farm women | Training on preparation of Paddy straw mushroom beds by using threshed straw as substrate | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on disease management of paddy straw mushroom | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on improved backyard poultry | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on feed management of poultry birds | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on Crop planning in Nutritional garden | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on Nursery raising | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on brooding management of Chicks | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on housing care of backyard poultry chicks | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on use of drudgery reducing implements | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on preparation of Value added products from Mahua flower | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on preparation of Paddy straw mushroom beds by using threshed straw as substrate | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on disease management of paddy straw mushroom | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on improved backyard poultry | 1 | On Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on feed management of poultry birds | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on Crop planning in Nutritional garden | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on Nursery raising | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on brooding management of Chicks | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on housing care of backyard poultry chicks | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on use of drudgery reducing implements | 1 | On Campus |  | 25 | 25 |  | 25 | 25 |
|  |  | Training on preparation of Value added products from Mahua flower | 1 | Off Campus |  | 25 | 25 |  | 25 | 25 |
|  | Rural Youth | Training on commercial mushroom production | 1 | Off Campus |  | 15 | 15 |  | 10 | 10 |
|  | Rural Youth | Training on packing and drying techniques of mushroom | 1 | Off Campus |  | 15 | 15 |  | 7 | 7 |
|  | Extension Personnel | Training on agro based livelihood option for SHGs | 1 | Off Campus |  | 15 | 15 |  | 8 | 8 |
| Ag. Extension | Farmer and Farm women | Formation and strengthening of Farmers Producer Organization | 1 | Off Campus | 10 | 15 | 25 | 9 | 6 | 15 |
|  |  | Livelihood options for WSHGS | 1 | Off Campus | 6 | 19 | 25 | 3 | 7 | 10 |
|  | Rural Youth | Entrepreneurial opportunity in livestock sector | 2 | Off Campus | 11 | 4 | 15 | 12 | 3 | 15 |
|  |  | Entrepreneurial opportunity in horticultural sector | 2 | Off Campus | 10 | 5 | 15 | 11 | 4 | 15 |
| Seed Science | Farmer and Farm women | Quality Seed testing of Rice seeds. | 1 | Off Campus | 13 | 12 | 25 | 13 | 12 | 25 |
|  |  | Hydro-priming in Maize seeds. | 1 | Off Campus | 18 | 7 | 25 | 18 | 7 | 25 |
|  |  | Hydro-priming in chickpea seeds. | 1 | Off Campus | 18 | 7 | 25 | 18 | 7 | 25 |
|  |  | Safe storage practices for rice seeds and rice grains | 1 | Off Campus | 11 | 14 | 25 | 11 | 14 | 25 |

## H) Vocational training programmes for Rural Youth

## Details of training programmes for Rural Youth

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop / Enterprise | Identified Thrust Area | Training title\* | Duration (days) | No. of Participants | | | Self-employed after training | | | Number of persons employed else where |
| Male | Female | Total | Type of units | Number  of units | Number of persons employed |
| Fruit Crop | Lack of Suitable planting material | Commercial propagation of Fruit crops | 3 | 10 | 0 | 10 | Small | 1 | 2 |  |
| Enterprise | Bee keeping | Bee keeping | 03 | 10 | - | 10 | Small | 2 | 5 |  |

Sponsored Training Programmes

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No | Title | Thematic area | Month | Duration (days) | Client | No. of courses | No. of Participants | | | | | | | | | | Sponsoring Agency |
| PF/RY/EF | Male | | | Female | | | Total | | | |
| Others | SC | ST | Others | SC | ST | Others | SC | ST | Total |
| 1 | Agricultural workshop on Energy Conservation under Petroleum Conservation Research Association(PCRA) | Petroleum Conservation | September | 4 | PF ad RY | 4 | 34 | 13 | 29 | 13 | 8 | 23 | 47 | 21 | 52 | 120 | Petroleum Conservation Research Association(PCRA) |

**3.4. A. Extension Activities (including activities of FLD programmes)**

| Nature of Extension Activity | No. of activities | Farmers | | | | Extension Officials | | | Total | | |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| M | F | T | SC/ ST  (% of total) | Male | Female | Total | Male | Female | Total |
|  |  |  |  |  |  |  |  |  |  |  |  |
| Field Day | 3 | 108 | 42 | 150 | 80 | 4 | 1 | 5 | 112 | 43 | 155 |
| KisanMela | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Kisan Gosthi | 3 | 43 | 22 | 65 | 70 | 2 | 1 | 3 | 45 | 23 | 68 |
| Exhibition | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Film Show | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 | 0 |
| Method Demonstrations | 6 | 28 | 19 | 47 | 70% | 2 | 0 | 2 | 30 | 19 | 49 |
| Farmers Seminar |  |  |  |  |  |  |  |  |  |  |  |
| Workshop |  |  |  |  |  |  |  |  |  |  |  |
| Group meetings | 10 | 39 | 18 | 57 | 70% |  |  |  |  |  | 57 |
| Lectures delivered as resource persons | 16 | 235 | 105 | 340 | 70 | 12 | 4 | 16 | 247 | 109 | 356 |
| Advisory Services | 82 | 57 | 48 | 105 | 58 |  |  |  | 57 | 48 | 105 |
| Scientific visit to farmers field | 121 | 286 | 105 | 391 | 65 | 6 | 2 | 8 | 292 | 107 | 399 |
| Farmers visit to KVK | 231 | 224 | 252 | 476 | 70 | 10 | 6 | 16 | 234 | 258 | 492 |
| Diagnostic visits | 32 | 77 | 38 | 115 | 65 | 6 | 3 | 9 | 83 | 41 | 124 |
| Exposure visits |  |  |  |  |  |  |  |  |  |  |  |
| Ex-trainees Sammelan | 0 |  |  |  |  |  |  |  |  |  |  |
| Soil health Camp | 0 |  |  |  |  |  |  |  |  |  |  |
| Animal Health Camp | 0 |  |  |  |  |  |  |  |  |  |  |
| Agri mobile clinic | 0 |  |  |  |  |  |  |  |  |  |  |
| Soil test campaigns | 0 |  |  |  |  |  |  |  |  |  |  |
| Farm Science Club Conveners meet | 0 |  |  |  |  |  |  |  |  |  |  |
| Self Help Group Conveners meetings | 2 |  | 100 | 100 | 100 | 0 | 0 | 0 | 0 | 100 | 100 |
| Mahila Mandals Conveners meetings | 0 |  |  |  |  |  |  |  |  |  |  |
| Celebration of important days (specify) | 9 | 430 | 210 | 220 | 80 | 14 | 12 | 26 | 432 | 232 | 664 |
| Sankalp Se Siddhi |  |  |  |  |  |  |  |  |  |  |  |
| Swatchta Hi Sewa | 3 | 108 | 112 | 220 | 80 | 0 | 0 | 0 | 108 | 112 | 220 |
| Mahila Kisan Divas | 1 | 0 | 50 | 50 | 100 | 0 | 0 | 0 | 0 | 50 | 50 |
| Any Other (Specify) |  |  |  |  |  |  |  |  |  |  |  |
| Total | 519 | 1635 | 1121 | 2756 |  | 56 | 23 | 79 | 1691 | 1144 | 2835 |

**B. Other Extension activities**

|  |  |
| --- | --- |
| Nature of Extension Activity | No. of activities |
|
| Newspaper coverage | 9 |
| Radio talks | 6 |
| TV talks | 0 |
| Popular articles | 5 |
| Extension Literature | 6 |
| Other, if any |  |

**3.5 a. Production and supply of Technological products**

***Village seed***

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Variety | Quantity of seed  (q) | Value  (Rs) | No. of farmers involved in village seed production | Number of farmers  to whom seed provided | | | |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |

# *KVK farm*

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Variety | Quantity of seed  (q) | Value  (Rs) | Number of farmers  to whom seed provided | | | |
|  |  |  |  | SC | ST | Other | Total |
| Grand Total |  |  |  |  |  |  |  |

# Production of planting materials by the KVKs

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Crop | Variety | No. of planting materials | Value  (Rs) | Number of farmers  to whom planting material provided | | | |
|  |  |  |  | SC | ST | Other | Total |
| **Vegetable seedlings** |  |  |  |  |  |  |  |
| Cauliflower |  |  |  |  |  |  |  |
| Cabbage |  |  |  |  |  |  |  |
| Tomato |  |  |  |  |  |  |  |
| Brinjal |  |  |  |  |  |  |  |
| Chilli |  |  |  |  |  |  |  |
| Onion |  |  |  |  |  |  |  |
| Others |  |  |  |  |  |  |  |
| **Fruits** |  |  |  |  |  |  |  |
| Mango |  |  |  |  |  |  |  |
| Guava |  |  |  |  |  |  |  |
| Lime |  |  |  |  |  |  |  |
| Papaya |  |  |  |  |  |  |  |
| Banana |  |  |  |  |  |  |  |
| Others |  |  |  |  |  |  |  |
| Ornamental plants |  |  |  |  |  |  |  |
| Medicinal and Aromatic |  |  |  |  |  |  |  |
| Plantation |  |  |  |  |  |  |  |
| Spices |  |  |  |  |  |  |  |
| Turmeric |  |  |  |  |  |  |  |
| Tuber |  |  |  |  |  |  |  |
| Elephant yams |  |  |  |  |  |  |  |
| Fodder crop saplings |  |  |  |  |  |  |  |
| Forest Species |  |  |  |  |  |  |  |
| Others, pl.specify |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |

**Production of Bio- product by KVKs**

| **Bio -product** | **Name of the Bio -product** | **Quantity (no.)** | | **Quantity (Kg.)** | | **Value (Rs.)** | **Number of farmers** | **Quantity (no.)** | **Quantity (Kg.)** | **Value (Rs.)** | **Number of farmers** | **Quantity (no.)** | **Quantity (Kg.)** | **Value (Rs.)** | **Number of farmers** | **Quantity (no.)** | **Quantity (Kg.)** | **Value (Rs.)** | **Number of farmers** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **Bio- fertilisers** |  | **A&N Islands** | | | | | | **Odisha** | | | | **West bengal** | | | | **Total** | | | |
| Non Symbiotic Azotobacter |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermi compost |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Azolla |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Earth worms |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Compost |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Worms |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Blue green algae |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| NADEP |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Azatobactor |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Azospirillum |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| PSB |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Rhizobium |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Azolla culture |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Bio- pestisides** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Neem extract |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Tobacco extract |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Trichoder- maviride |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Panchagavya |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Trichoderma |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Worms** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Eudriluseuniae |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Earth worm** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Eiseniafoetida |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Earth worm |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Bio- fungicides** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Trichoder maviridae |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **others** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Vermiculture |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mushroom-spawn |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cuelure |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Mineral mixture |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow dung(dry) |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| Cow dung(wet) |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **Grand Total** |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  | |  | |  |  |  |  |  |  |  |  |  |  |  |  |  |

# Production of livestock materials

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers benefitted | | | |
| SC | ST | Other | Total |
| Dairy animals |  |  |  |  | | | |
| Cows |  |  |  |  | | | |
| Buffaloes |  |  |  |  | | | |
| Calves |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Small ruminants |  |  |  |  | | | |
| Sheep |  |  |  |  | | | |
| Goat |  |  |  |  | | | |
| Other, please specify |  |  |  |  | | | |
| Poultry |  |  |  |  | | | |
| Broilers |  |  |  |  | | | |
| Layers |  |  |  |  | | | |
| Duals (broiler and layer) |  |  |  |  | | | |
| Japanese Quail |  |  |  |  | | | |
| Turkey |  |  |  |  | | | |
| Emu |  |  |  |  | | | |
| Ducks |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Piggery |  |  |  |  | | | |
| Piglet |  |  |  |  | | | |
| Hog |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Fisheries |  |  |  |  | | | |
| Indian carp |  |  |  |  | | | |
| Exotic carp |  |  |  |  | | | |
| Mixed carp |  |  |  |  | | | |
| Fish fingerlings |  |  |  |  | | | |
| Spawn |  |  |  |  | | | |
| Others (Pl. specify) |  |  |  |  | | | |
| Grand Total |  |  |  |  | | | |

**3.5. b. Seed Hub Programme - *“Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”***

i) Name of Seed Hub Centre:

|  |  |
| --- | --- |
| Name of Nodal Officer : |  |
| Address : |  |
| e-mail : |  |
| Phone No. :  Mobile : |  |

ii) Details of Quality Seed Production

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Season | Crop | Variety | Production (q) | | | |
| Target | Area sown (ha) | Production | Category of Seed  (F/S, C/S) |
| Kharif 2021 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Rabi 2021-22 |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
| Summer/Spring 2021 |  |  |  |  |  |  |

iii) Financial Progress

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Fund received  (2016-17, 2017-18 2018-19 and2019-20) | Expenditure (Rs. in lakhs) | | Unspent balance  (Rs. in lakhs) | Remarks |
|  | Infrastructure | Revolving fund |
| 2016-17 |  |  |  |  |
| 2017-18 |  |  |  |  |
| 2018-19 |  |  |  |  |
| 2019-20 |  |  |  |  |

iv) Infrastructure Development

|  |  |
| --- | --- |
| Item | Progress |
| Seed processing unit |  |
| Seed storage structure |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Item | Title | Author’s name | Number | Circulation |
| Research paper | Nil |  |  |  |
| Seminar/conference/ symposia papers | Nil |  |  |  |
| Books | Nil |  |  |  |
| Bulletins | Nil |  |  |  |
| News letter | Ispat Krishi Barta |  | 4 | 1000 |
| Popular Articles | Nil |  |  |  |
| Book Chapter | Nil |  |  |  |
| Extension Pamphlets/ literature | Mandia ru mulyajukta utpad prastuti | Dr. Manasi Bhol,Sri Jayant Ku. Pati,B.L.Sahu,Sajay ku. Pradhan,Samarendra Baral,Susmita Panda,Anubha Kujur | 1 | 500 |
| Jiakhata Prastuti | -do- | 1 | 500 |
| Dhana phasalare ghasa o jala Parichalana | -do- | 1 | 500 |
| Baigyanika pranalire Mandia Chasa | -do- | 1 | 500 |
| Pesi poshana Kadali chasa, | -do- | 1 | 500 |
| Muga o biri fasalare samanwita roga poka parichalana | -do- | 1 | 500 |
| Bihana bisodhana | -do- | 1 | 500 |
| Bilati baigana chasa | -do- | 1 | 500 |
| Simila lanka chasa | -do- | 1 | 500 |
| Amba gachhare aniyamitata evam tara pratikara |  | 1 | 500 |
| Kakharu jatiya pfasalare roga poka parichalana |  | 1 | 500 |
| Technical reports | Annual report,research extension linkage report,SAC report,ZREAC report,TSP Repot,CFLD report,MPR,QPR etc. | Dr. Manasi Bhol,Sri Jayant Ku. Pati,B.L.Sahu,Sajay ku. Pradhan,Samarendra Baral,Susmita Panda,Anubha Kujur |  |  |
| Electronic Publication (CD/DVD etc) |  |  |  |  |
| TOTAL |  |  |  |  |

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

**(B) Details of HRD programmes undergone by KVK personnel:**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of programme | Name of course | Name of KVK personnel and designation | Date and Duration | Organized by |
| 1. | Orientation training for Home Scientists | Orientation training for Home Scientists | Bijaya Laxmi Sahu,Scientist(Home Science) | 04.01.2022 to 06.01. 2022 | DEE,OUAT,BBSR |
| 2. | Training Programme on Entrepreneurship development in Mushroom | Training Programme on Entrepreneurship development in Mushroom | Bijaya Laxmi Sahu,Scientist(Home Science) | !8.5.21 to 20.5.21 | Virtual Mode y MANAGE,Hyderabad |
| 3. | 9th Indian Horticultural Congress | 9th Indian Horticultural Congress | Sanjay Kumar Pradhan Scientist (Horticulture) | !8.11.2021 to 23.11.2021 | CSAUAT,Kanpur |
| 4 | On Farm and mass Production Protocol of ingots and microbial agents for fall armyworm management | On Farm and mass Production Protocol of ingots and microbial agents for fall armyworm management | Samaredra Baral,.Scientist  (Plat Protection) | 6.10.2021 to 8.10.2021 | Virtual mode from national Institute of Plant Health Surveillance |
| 5 | e-Pest Surveillance |  | Samaredra Baral,.Scientist  (Plat Protection) | 31.5.2021 to4.6.2021 | Virtual mode from y HIPM,Hyderabad |

**3.7. Success stories/Case studies, if any (two or three pages write-up on 1-2 best case(s) with suitable action photographs)**

|  |  |
| --- | --- |
| Name of farmer | Victor Bodra |
| Address | Village- Ghodabandh  Block- Nuagaon  Dist: Sundargarh  Pin:770043 |
| Contact details (Phone, mobile, email Id) | 8917214817 |
| Landholding (in ha.) | 3.5 acres |
| Name and description of the farm/ enterprise | Fruit Orchard |
| Economic impact | Net profit of Rs. 1 .46 lakh annually. |
| Social impact | Victor Bodra, hailing from remote tribal area Ghodabandh village of Nuagaon block in Sundargarh district has set himself as a role model for the farmers in the district for fruit cultivation and optimum resource utilisation |
| Environmental impact | Fruit production play a as a major income source. |
| Horizontal/ Vertical spread | 7 Numbers of farmers from nearby locality have decided to replicate the practice. |

|  |  |
| --- | --- |
| F:\pictures_kvk_yearwise\Year_2019-20\HORTICULTURE\VNR_BIHI_GUAVA\WhatsApp Image 2019-08-26 at 12.02.17 (1).jpeg | C:\Users\Dell\Desktop\WhatsApp Image 2022-02-04 at 11.27.14.jpeg |



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

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Name/ Title of the technology | Name/ Details of the Innovator(s) | Brief details of the Innovative Technology |
| 1 | Enhancing the mushroom productivity through using organic inputs | Name- Ramesh Ch. Pattnaik  At/po- Jamunanaki  Block- Kuanrmunsda  Dist- Sundargarh | Use of Neem cake and poultry manure for minimizing the infection and enhancing production up to 30 % |
|  |  |  |  |

3.9. a. 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)

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Crop / Enterprise | ITK Practiced | Purpose of ITK |
| 1 | Paddy/Pea | Paira cropping of Pea | To enhance Cropping intensity |
| 2 | Pulses | Growing of Pulses on bunds of Paddy | To use the land area |
| 3 | Banana | Use of Sunari leaves for ripening of Banana | For artificial ripening |
| 4 | Brinjal | Growing of Indigenous Brinjal | To grow local cultivar |
| 5 | Broom | Preparation of Broom from grass panicles | To make use of Aristida grass for broom making |

**b. Give details of organic farming practiced by the farmer**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Crop / Enterprise | Area (ha)/ No. covered | Production | No. of farmers involved | Market available (Y/N) |
| 1 | Paddy, Vegetables | 9 | 260 qt | 12 | No |

**3.10. Indicate the specific training need analysis tools/methodology followed by KVKs**

|  |  |  |
| --- | --- | --- |
| Sl. No. | Brief details of the tool/ methodology followed | Purpose for which the tool was followed |
| 1 | PRA, Focus group discussion Observation, Response analysis | To identify specific and personal need |
|  |  |  |

**3.11. a. Details of equipment available in Soil and Water Testing Laboratory**

|  |  |  |
| --- | --- | --- |
| Sl. No | Name of the Equipment | Qty. |
| 1. | Mridaparikhsyak | 1 |
|  |  |  |

3.11.b. Details of samples analyzed so far :

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Number of soil samples analyzed | | | No. of Farmers | No. of Villages | Amount realized  (in Rs.) |
| Through mini soil testing kit/labs | Through soil testing laboratory | Total |
| 245 | - | 245 | 650 | 18 | - |

**3.11.c. Details on World Soil Day**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Activity | No. of Participants | No. of VIPs | Name (s) of VIP(s) | Number of Soil Health Cards distributed | No. of farmers benefitted |
| 1 | World soil day celebration | 50 | 2 | Mr Religious Beck  Mr Jagdish Behera | 50 | 120 |

**3.12. Activities of rain water harvesting structure and micro irrigation system**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| No of training programme | No of demonstrations | No of plant material produced | Visit by the farmers | Visit by the officials |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

**3.13. Technology week celebration**

|  |  |  |  |
| --- | --- | --- | --- |
| Type of activities | No. of activities | Number of participants | Related crop/livestock technology |
| Road show | 1 | 50 | Paddy, vegetables |
| SHG convention | 2 | 40 | Mushroom, Value addition to vegetables |
| Swacchhata Awareness | 3 | 125 | Cleanliness of Farm land, shed, village road |

**3.14. RAWE/ FET programme - is KVK involved? (Y/N)**

|  |  |
| --- | --- |
| No of student trained | No of days stayed |
| 10 | 2 |

|  |  |
| --- | --- |
| ARS trainees trained | No of days stayed |
| NIL | NIL |

**3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Sabhadipati/Other Head of Organization/Foreigners)**

|  |  |  |
| --- | --- | --- |
| Date | Name of the person | Purpose of visit |
| 7.2.2021 | Prof.L.M. Gadnayak,,DEE,OUAT | KVK monitoring/OMBADC and Land matters |
| 7.2.2021 | Dr. Sanat Mishra,DPME,OUAT | KVK monitoring/OMBADC and Land matters |
| 7.2.2021 | Dr. M. P. Nayak , J.D. DEE,OUAT | KVK monitoring/OMBADC and Land matters |
|  |  |  |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) | |
| Demonstration of Paddy straw mushroom | 50 | 30% | 4600 | 11800 |
| Demonstration of Sweet corn | 10 | 16% |  | 14000 |
| Nursery raising technique in vegetables | 20 | 25% | 600 | 1250 |
| Nutritional Gardening | 50 | 35% | 650 | 1200 |

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

**4.2. Cases of large scale adoption**

(Please furnish detailed information for each case)

|  |  |
| --- | --- |
| Horizontal spread of technologies | |
| Technology | Horizontal spread |
| Popularization of Finger millet | 125 Ha |
| Popularization of Oyster mushroom | 1000 nos |
| Popularization of Mushroom | 11400beds |
|  |  |

Give information in the same format as in case studies

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

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Brief details of technology | Impact of the technology in subjective terms | Impact of the technology in objective terms |
|  |  |  |  |
|  |  |  |  |
|  |  |  |  |

**4.4. Details of innovations recorded by the KVK**

|  |  |
| --- | --- |
| Thematic area | **Organic Mushroom Cultivation** |
| Name of the Innovation | Aaditya Mishra  Address: At/Po: Santoshpur ,Block- Bisra, Dist: Sundargarh-Odisha  Contact No.:6370018290 |
| Details of Innovator |  |
| Back ground of innovation | **Description of innovative practice/technology**:  1. Recycling of Waste mushroom substrate mixed with banana stem |
| Technology details | **Practical utility**: Duration of composting period is reduced by 10 -15 days  **Profitability of innovative practice**: |
| Practical utility of innovation | It increases the yield ad reduces the duration of compost making |

**4.5. Details of entrepreneurship development**

|  |  |
| --- | --- |
| Entrepreneurship development | |
| Name of the enterprise | Rukmini Mundari |
| Name & complete address of the entrepreneur | Rukmini Mundari  Village- Bagbudi  Block- Lathikata |
| Role of KVK with quantitative data support: | Technologies/ Support gained from KVK: Training, input, demonstration and follow-up visit |
| Timeline of the entrepreneurship development | 2018-Home visit and advice  2019-Resource identification  2020- Skill training and Entreprise planning and  2021-Entreprise planning andMarket linkage |
| Technical Components of the Enterprise | Selection of site,Preparation of Vermicompost bed,watering the vermibed,Harvesting of vermicompost |
| Status of entrepreneur before and after the enterprise | **before the enterprise** :Unemployed youth |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | **after the enterprise**:Earning a net profit of Rs.12000/- by adopting vermicomposting and Mushroom cultivation. |
| Horizontal spread of enterprise | 6no. of women in her locality have replicated the practice  High Demand for vermicompost and and vermi in the market |

4.6. Any other initiative taken by the KVK

**5. LINKAGES**

5.1. Functional linkage with different organizations

|  |  |
| --- | --- |
| Name of organization | Nature of linkage |
| Dept. of Agriculture | Official |
| Dept. of Horticulture | Official |
| Dept. of Animal Science | Official |
| Dept. of Soil conservation | Official |
| Dept. of Fishery | Official |
| Dept. of Forestry | Official |

5.2. List of special programmes undertaken during 2021-22 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

(b) Programme for other activities (training, FLD,OFT, Mela, Exhibition etc.)

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

1. **PERFORMANCE OF INFRASTRUCTURE IN KVK**

**6.1. Performance of demonstration units (other than instructional farm)**

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of demo Unit | Year of estt. | Area(Sq.mt) | Details of production | | | Amount (Rs.) | | Remarks |
| Variety/breed | Produce | Qty. | Cost of inputs | Gross income |  |
| 1 |  |  |  |  |  |  |  |  |  |
| 2 |  |  |  |  |  |  |  |  |  |
| 3 |  |  |  |  |  |  |  |  |  |
| 4 |  |  |  |  |  |  |  |  |  |
| 5 |  |  |  |  |  |  |  |  |  |
| 6 |  |  |  |  |  |  |  |  |  |
| Total |  |  |  |  |  |  |  |  |  |

6.2. Performance of Instructional Farm (Crops)

|  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name  Of the crop | Date of sowing | Date of harvest | Area (ha) | Details of production | | | Amount (Rs.) | | Remarks |
| Variety | Type of Produce | Qty.(q) | Cost of inputs | Gross income |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |

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

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

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

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No | Name  of the animal / bird / aquatics | Details of production | | | Amount (Rs.) | | Remarks |
| Breed | Type of Produce | Qty. | Cost of inputs | Gross income |
| 1. |  |  |  |  |  |  |  |
| 2. |  |  |  |  |  |  |  |
| 3. |  |  |  |  |  |  |  |

6.5 Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

* 1. Utilization of staff quarters

Whether staff quarters has been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

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

1. **FINANCIAL PERFORMANCE**

**7.1. Details of KVK Bank accounts**

|  |  |  |  |
| --- | --- | --- | --- |
| Bank account | Name of the bank | Location | Account Number |
| Suravi | State Bank of India | Panposh, Rourkela | 32531697769 |
|  |  |  |  |

* 1. **Utilization of funds under CFLD on Oilseed *(Rs. In Lakhs)***

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Released by ICAR | | Expenditure | | Unspent balance as on - |
| Kharif | Rabi | Kharif | Rabi |
| Groundnut |  | 120000 |  | 120000 | Nil |
|  |  |  |  |  |  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Item | Released by ICAR | | Expenditure | | Unspent balance as on 1st April 2021 |
| Kharif | Rabi | Kharif | Rabi |
| BLACKGRAM | 90000 |  | 42187 |  | Nil |
|  |  |  |  |  |  |

Utilization of KVK funds during the year 2021-2022 (Not audited)

| Sl. No. | Particulars | | Sanctioned | Released | Expenditure |
| --- | --- | --- | --- | --- | --- |
| A. Recurring Contingencies | | | | | |
| 1 | Pay & Allowances | | 89,00,000 | 89,00,000 |  |
| 2 | Traveling allowances | | 1,20,000 | 1,20,000 | 1,20,000 |
| 3 | Contingencies | | | | |
| *A* | OE/ POL | | 300000 | 300000 | 300000 |
| *B* | Training/ Training Material |  | |
| *C* | FLD | |  |
| *D* | OFT |  | |
| *E* | Maintenance of Building | |  |
| *F* | TSP | | 17,00,000 | 10,00,000 | 10,00000 |
| *G* |  | |  |  |  |
| *H* |  | |  |  |  |
| *I* |  | |  |  |  |
| *J* | Swachhta Expenditure | | 15,000 | 15,000 | 15,000 |
| TOTAL (A) | | | 11035000 | 10335000 | 4350000 |
| B. Non-Recurring Contingencies | | | | | |
| 1 | Books | | 10,000 | 10,000 | 10,000 |
| 2 |  | |  |  |  |
| 3 |  | |  |  |  |
| 4 |  | |  |  |  |
| TOTAL (B) | | | 10,000 | 10,000 | 10,000 |
| C. REVOLVING FUND | | | 00 | 00 | 00 |
| GRAND TOTAL (A+B+C) | | | 11045000 | 10345000 | 4550000 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| Year | Opening balance as on 1st April | Income during the year | Expenditure during the year | Net balance in hand as on 1st April of each year (Kind + cash) |
| 2016-17 | 00 | 00 | 00 | 00 |
| 2017-18 | 00 | 00 | 00 | 00 |
| 2018-19 | 00 | 00 | 00 | 00 |
| 2019-20 | 00 | 00 | 00 | 00 |
| 2020-21 | 00 | 60000 | 60000 | 00 |
| 2021-2022 | 00 | 70000 | 70000 | 00 |

* 1. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs

* 1. **Joint activity carried out with line departments and ATMA**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of activity | Number of activity | Season | With line department | With ATMA | With both |
| Assessment of herbicides in groundnut | 01 | Kharif | Dept. of Agriculture |  |  |
| TL seed production of Mustard | 01 | Rabi | Dept. of Agriculture |  |  |
| Demonstration of garden pea | 01 | Rabi | Dept. of Horticulture |  |  |

**8. Other information**

8.1. Prevalent diseases in Crops

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the disease | Crop | Date of outbreak | Area affected (in ha) | % Commodity loss | Preventive measures taken for area (in ha) |
| Early and late Blight | Tomato/Potato | Rabi | 350 | 10-15 % | Diagnostic visit & training |
| Wilting | Solanaceous crops | Kharif and Rabi | 800 | 25-30% | Diagnostic visit & training |
| BLB | Paddy | Kharif | 20000 | 15-20% | Diagnostic visit & training |

8.2. Prevalent diseases in Livestock/Fishery

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the disease | Species affected | Date of outbreak | Number of death/ Morbidity rate (%) | Number of animals vaccinated | Preventive measures taken in pond (in ha) |
| Fowl Pox | Poultry | Sept. | 30 | 300 | Diagnostic visit & training |

9.1. Nehru Yuva Kendra (NYK) Training

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Title of the training programme | Period | | No. of the participant | | Amount of Fund Received (Rs) |
| From | To | M | F |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**9.2. *mKisan* Portal (National Farmers’ Portal/ SMS Portal)**

|  |  |  |
| --- | --- | --- |
| Type of message | No. of messages | No. of farmers covered |
| Crop | 35 | 567324 |
| Livestock | 10 | 414563 |
| Fishery | 5 | 436543 |
| Weather | 8 | 134326 |
| Marketing | 1 | 132547 |
| Awareness | 20 | 314263 |
| Training information |  |  |
| Other |  |  |
| **Total** | **79** | **199566** |

**9.3. *KVK* Portal and Mobile App**

|  |  |  |
| --- | --- | --- |
| Sl. No. | Particulars | Description |
| 1. | No. of visitors visited the portal | *86304* |
| 2. | No. of farmers registered in the portal | *22046* |
| 3. | Mobile Apps developed by KVK | *Nil* |
| 4. | Name of the App |  |
| 5. | Language of the App |  |
| 6. | Meant for crop/ livestock/ fishery/ others |  |
| 7. | No. of times downloaded |  |

**9.4. a. Observation of Swachh Bharat Programme**

|  |  |
| --- | --- |
| Date/ Duration of Observation | Activities undertaken |
| 16.10.2021 | Cleanliness drive Awareness campaign |
| 28.10.2021 | Cleanliness drive Awareness campaign |
| 11.11.2021 | Cleanliness drive Awareness campaign |
| 14.12.2021 | Cleanliness drive Awareness campaign |
| 23.12.2021 | Cleanliness drive Awareness campaign |
|  |  |

**b. Details of Swachhta activities with expenditure**

|  |  |  |
| --- | --- | --- |
| **Activities** | **Number** | **Expenditure (in Rs.)** |
| 1. Digitization of office records/ e-office |  |  |
| 1. Basic maintenance |  |  |
| 1. Sanitation and SBM |  |  |
| 1. Cleaning and beautification of surrounding areas | 5 | 1500 |
| 1. Vermicomposting/   Composting of biodegradable waste management & other activities on generate of wealth for waste |  |  |
| 1. Used water for agriculture/ horticulture application | 1 | nil |
| 1. Swachhta Awareness at local level | 2 | 3000/- |
| 1. Swachhta Workshops |  |  |
| 1. Swachhta Pledge |  |  |
| 1. Display and Banner | 3 | 1500 |
| 1. Foster healthy competition |  |  |
| 1. Involvement of print and electronic media |  |  |
| 1. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village) |  |  |
| 1. No of Staff members involved in the activities |  |  |
| 1. No of VIP/VVIPs involved in the activities |  |  |
| 16. Any other specific activity (in details) |  |  |
| **Total** | **11** | **6000/-** |

9.5. Observation of National Science day

|  |  |
| --- | --- |
| Date of Observation | Activities undertaken |
|
|  |  |
|  |  |

9.6. Programme with Seema Suraksha Bal/ BSF

|  |  |  |
| --- | --- | --- |
| Title of Programme | Date | No. of participants |
|  |  |  |
|  |  |  |
|  |  |  |

**9.7. Agriculture Knowledge in rural school**

|  |  |  |  |
| --- | --- | --- | --- |
| Name and address of school | Date of visit to school | Areas covered | Teaching aids used |
| Arnold School,Dandiapalli Chinamaya Vidyapeeth,Chhend,Rourkela DAV School,Rourkela | 3.12.2021,Virtual mode | Nutritional Security | Laptop, Poster |

Give good quality 1-2 photograph(s)

9.8. Details of ‘*Pre-Rabi Campaign’* Programme

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Date of programme | No. of Union Ministers attended the programme | No. of  Hon’ble MPs (Loksabha/ Rajyasabha) participated | No. of State Govt. Ministers | Participants (No.) | | | | | | | Coverage by Door Darshan (Yes/No) | Coverage by other channels (Number) |
| MLAs Attended the programme | Chairman ZilaPanchayat | Distt. Collector/ DM | Bank Officials | Farmers | Govt. Officials, PRI members etc. | Total |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

9.9. Details of Swachhta Hi Sewa programme organized

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
| 1 | Cleanliness drive | 3 | 75 | 0 | 0 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**9.10. Details of Mahila Kisan Divas programme organized**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl.  No. | Activity | No. of villages Involved | No. of Participants | No. of VIPs | Name (s) of VIP(s) |
| 1 | Village meeting,Saplings distribution | 3 | 25 | 0 | 0 |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

**9.11. No. of Progressive/ Innovative/ Lead farmer identified (category wise)**

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.  No. | Name of Farmer | Address of the farmer with contact no. | Innovation/ Leading in enterprise |
| 1 | Natha Behera | Village- Ranto  9439780951 | Paddy, Vegetables |
| 2 | Zabrius Tirkey | Village- Guduguda  9668427366 | Vegetables |
| 3 | Julia Kujur | Village- Guduguda 8658418691 | Mushroom, vegetable |
| 4 | Sabitree Oram | Village- Khatankudar  7077554485 | Vegetables |
| 5 | Basanti Singh | Village- Jamudar  8895543011 | Vegetables |

9.12. Revenue generation

| Sl.No. | Name of Head | Income(Rs.) | Sponsoring agency |
| --- | --- | --- | --- |
| 1. |  |  |  |
| 2. |  |  |  |
| 3. |  |  |  |

9.13. Resource Generation:

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the programme | Purpose of the programme | Sources of fund | Amount  (Rs. lakhs) | Infrastructure created |
|  |  |  |  |  |  |

9.14. Performance of Automatic Weather Station in KVK

|  |  |  |
| --- | --- | --- |
| Date of establishment | Source of funding i.e. IMD/ICAR/Others (pl. specify) | Present status of functioning |
|  |  |  |
|  |  |  |

9.15. Contingent crop planning

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Name of the state | Name of district/KVK | Thematic area | Number of programmes organized | Number of Farmers contacted | A brief about contingent plan executed by the KVK |
|  |  |  |  |  |  |

10. Report on Cereal Systems Initiative for South Asia (CSISA)

1. Year:
2. Introduction / General Information:

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|  | Title | Objective | Treatment details | Date of sowing | Replication | Result with photographs |
| Experiment 1 |  |  |  |  |  |  |
| Experiment 2 |  |  |  |  |  |  |
| Experiment 3 |  |  |  |  |  |  |
| Others (If any) |  |  |  |  |  |  |

**11. Details of TSP**

1. Achievements of physical output under TSP during 2021-2022

|  |  |
| --- | --- |
| **Programmes** | **Physical achievements** |
| Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.) | Nil |
| On-farm trials (Number) | 07 |
| Frontline demonstrations (Number) | 17 |
| Farmers training (in lakh) | 0.001235 |
| Extension personnel training (in lakh) | 0’00075 |
| Participants in extension activities (in lakh) | 0.00730 |
| Seed production (in tonnes) | 1 |
| Planting material production (in lakh) | Nil |
| Livestock strains and fingerlings production (in lakh) | Nil |
| Soil, water, plant, manures samples testing (in lakh) | 0.0082 |
| Provision of mobile agro – advisory to farmers (in lakh) | 3.62269 |
| No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) | 0.00280 |

1. **Fund received under TSP in 2021-22 (Rs. In lakh):**
2. (i) Achievements of physical outcome under TSP during 2021-22

|  |  |  |  |
| --- | --- | --- | --- |
| Sl. No. | Description | Unit | Achievements |
|
| 1 | Change in family income | % | 21.0 |
| 2 | Change in family consumption level | % | 26 |
| 3 | Change in availability of agricultural implements/ tools etc. | No. per household |  |

(ii) Table:

| ***Sl.***  ***No.*** | ***Description*** | ***Unit*** | ***Achievements*** |
| --- | --- | --- | --- |
| 1 | Number of Technologies Identified after Assessment | Number | Nil |
| 2 | Upgraded Skills and Knowledge of farmers | Number | 1430 |
| 3 | Oriented extension personnel in frontier areas of agricultural technology | Number | 140 |
| 4 | Increased availability of quality seed | Quintal | 15 |
| 5 | Increased availability of quality Planting material | Number | 2100 |
| 6 | Increased availability of live-stock strains and fingerlings | Number | 400 |
| 7 | Testing of Soil & water samples for balance fertilizer use | Number | 132 |

1. Location and Beneficiary Details during 2021-22

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***District*** | ***Sub-district*** | ***No. of Village covered*** | ***Name of village(s)***  ***covered*** | ***ST population benefitted***  ***(No.)*** | | | | |
| M | | F | T | |
| Sudargarh |  | 13 | Nuagaon, Guduguda, Sorda, Ghodadh  Bareiguda, Bagudi,  Lungei, Santoshpur,  Ranto,  Khatankudar, Gudgudjore, Erla, Putrikhama, Nuniapalli,  Karmahal,  Urmei,  Pandua | 215 | 125 | | | 340 |

12. Schedule caste Output & Outcome achievements

|  |  |  |  |
| --- | --- | --- | --- |
| Sl.  No. | Indicator/Activities | Unit of Indicator | Achievements |
| 1 | Farmers, farm women trained by KVKs | Number |  |
| 2 | Extension personnel trained by KVKs | Number |  |
| 3 | On-farm trials conducted by KVKs | Number |  |
| 4 | Frontline demonstrations conducted by KVKs | Number |  |
| 5 | Quantity of seeds produced | Quintal |  |
| 6 | Planting materials Produced | Number |  |
| 7 | Livestock strains and fingerlings produced | Number |  |
| 8 | Soil & water samples tested | Number |  |

13**.** Information pertaining to ARYA Project

14. Progress report of NICRA KVK (Technology Demonstration component) during the period

(Applicable for KVKs identified under NICRA)

Natural Resource Management

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of intervention undertaken | Numbers under taken | No of units | Area (ha) | No of farmers covered / benefitted | | | | | | | | | | Remarks |
| SC | | ST | | | Other | | Total | | |
|  |  |  |  | M | F | | M | F | M | F | M | F | T |  |
|  |  |  |  |  |  | |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  | |  |  |  |  |  |  |  |  |

Crop Management

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted | | | | | | | | | | Remarks |
| SC | | ST | | | Other | | Total | | |
|  |  | M | F | | M | F | M | F | M | F | T |  |
|  |  |  |  | |  |  |  |  |  |  |  |  |
|  |  |  |  | |  |  |  |  |  |  |  |  |

Livestock and fisheries

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of intervention undertaken | Number of animals covered | No of units | Area (ha) | No of farmers covered / benefitted | | | | | | | | | | Remarks |
|  |  |  |  | SC | | ST | | | Other | | Total | | |  |
|  |  |  |  | M | F | | M | F | M | F | M | F | T |  |
|  |  |  |  |  |  | |  |  |  |  |  |  |  |  |

Institutional interventions

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Name of intervention undertaken | No of units | Area (ha) | No of farmers covered / benefitted | | | | | | | | | | Remarks |
|  |  |  | SC | | ST | | | Other | | Total | | |  |
|  |  |  | M | F | | M | F | M | F | M | F | T |  |
|  |  |  |  |  | |  |  |  |  |  |  |  |  |

Capacity building

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic area | No of Courses | No of beneficiaries | | | | | | | | |
|  |  | SC | ST | | Other | | | Total | | |
|  |  | M | F | M | F | M | F | M | F | T |
|  |  |  |  |  |  |  |  |  |  |  |

Extension activities

|  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic area | No of activities | No of beneficiaries | | | | | | | | |
|  |  | SC | ST | | Other | | | Total | | |
|  |  | M | F | M | F | M | F | M | F | T |
|  |  |  |  |  |  |  |  |  |  |  |

Detailed report should be provided in the circulated Performa

15. Awards/Recognition received by the KVK

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the Award | Year | Conferring Authority | Amount | Purpose |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

Award received by Farmers from the KVK district

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the Award | Name of the Farmer | Year | Conferring Authority | Amount | Purpose |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

16. Any significant achievement of the KVK with facts and figures as well as quality photograph

17. Number of commodity based organizations/ farmers’ cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

|  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Sl. No. | Name of the organization/ Society | Trust Deed No.& date | Date of Trust Registration  Address | Proposed Activity | Commodity Identified | No. of Members | Financial position  (Rupees in lakh) | Success indicator |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |  |

1. Integrated Farming System (IFS)

Details of KVK Demo. Unit

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Sl.  No. | Module details (Component-wise) | Area under IFS (ha) | Production (Commodity-wise) | Cost of production in Rs. (Component-wise) | Value realized in Rs. (Commodity-wise) | No. of farmer adopted practicing IFS | % Change in adoption during the year |
|  |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |

**19. Technologies for Doubling Farmers' Income**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the Technology** | **Brief Details of Technology (3- 5 bullet points)** | **Net Return to the farmer (Rs.) per ha per year due to the technology** | **No. of farmers adopted the technology in the district** | **One high resolution ‘Photo’ in ‘jpg’ format for each technology** |
| 1 | Demonstration of Sahbhagi dhan with INM | Seed rate- 50kg/Ha | 19400 | 5 |  |
| Demonstration of cowpea with INM | Seed rate 10 kg/Ha | 89200 |  |  |
| Adoption of tomato with Staking | Seed bed, seed treatment | 119000 |  |  |
| Feed management in poultry | Calcium syrup |  |  |  |
| 2 | Nutrient & weed management in Hybrid paddy | NPK 80:40:40 Azospirillium/Ha | 31200 | 5 |  |
| Nutrient & Pest management in Okra | NPK 125:50:50  Azospirillium/Ha | 115200 |  |  |
| Nutrient &Weed management in Onion | Pendimethylene3litre/Ha Oxyfluorfen 1litre /Ha |  |  |  |
| Demonstration in Sweet corn with INM | NS 680 | 105500 |  |  |
| 3 | Demonstration of Naveen paddy with INM | Seedrate-50 kg/ha | 23200 | 5 |  |
| Demonstration of Bottlegourd with INM | Var-Ward,Seed treatment, | 110400 |  |  |
| Demonstration of Mustard with INM | Mustard PU-26 |  |  |  |
| Demonstration of Paddy straw mushroom | Bed method | 875/ 10Bed |  |  |
| 4 | Nutrient & Pest management in paddy | NPK 60:30;30 kg/ha  Azospirillium | 24300 | 5 |  |
|  |  |  |  |  |
| Nutrient & pest management in Brinjal | 125:50:125 kg/ha Azospirillium |  |  |  |
| Demonstration of Mustard with INM | Mustard PU-26 |  |  |  |
|  | Demonstration of oyster mushroom | Bed method | 650/10Bed |  |  |

**20.Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Database prepared/ covered for | | KVK level Committee | | Various activity conducted for farmers |
| Phase | Total no. of villages | Total no. of farmers | Date of formation | Name of members |  |
| I (up-to 15.03.2018) |  |  |  |  |  |
| II (up-to 24.04.218) |  |  |  |  |  |
| Total |  |  |  |  |  |

21.Information on Visit of VIPs to KVKs, if any

| Date of Visit | Name of Hon’ble Minister | Name of Ministry | Salient points in his/ her observation  (2-3 bulleted points) |
| --- | --- | --- | --- |
|  |  |  |  |

22.a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2019-20 and 2020-21

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| Year | Name of the Job role | Name of the certified Trainer of KVK for the Job role | Date of start of training | Date of completion of training | No. of participants | Whether uploaded to SDMS Portal (Y/N) | Fund utilized for the training (Rs.) |
| 2016-17 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2017-18 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2018-19 |  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |  |
| 2019-20 |  |  |  |  |  |  |  |

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021-22

|  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| Thematic area of training | Title of the training | Duration (in hrs.) | No. of participants | | | | | | | | | Fund utilized for the training (Rs.) |
|  |  |  | SC | | ST | | Other | | Total | | |  |
|  |  |  | M | F | M | F | M | F | M | F | T |  |
|  |  |  |  |  |  |  |  |  |  |  |  |  |

1. Information on NARI Project (if applicable)

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Name of Nodal Officer** | **No. of OFT on specified aspects** | **Title(s) of OFT** | **No. of FLD on specified aspects** | **No. of capacity development programme on specified aspects** | **Total no. of farm women/ girls involved in the project** | **Details of Issues related to gender mainstreaming addressed through the project** |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |
|  |  |  |  |  |  |  |

1. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

***Krishi Kalyan Abhiyan- I and II***

1. **Training**

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Name of programme*** | ***No. of programmes*** | ***No. of farmers benefitted*** | | | | | | | | | ***No. of officials attended the programme*** |
| **SC** | | **ST** | | **Others** | | **Total** | | |
|  |  | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |  |
|  |  |  |  |  |  |  |  |  |  |  |  |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |

1. **Distribution of seed/ planting materials/ input/ others**

| ***Name of programme*** | ***No. of Programme*** | ***Total quantity distributed*** | | | | ***No. of farmers benefited*** | | | | | | | | | | ***No. of other officials (except KVK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***Seed (q)*** | ***Planting material (lakh)*** | ***Input (kg)*** | ***Other (kg/ No.)*** | ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |  | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***T*** |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  | |

1. **Livestock and Fishery related activities**

| ***Name of programme*** | ***No. of Programme*** | ***Activities performed*** | | | | ***No. of farmers benefited*** | | | | | | | | | ***No. of other officials (except KVK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No. of animals vaccinated*** | ***No. of animals dewormed*** | ***Feed/ nutrient supplements provided (kg)*** | ***Any other (Distribution of animals/ birds/ fingerlings)***  ***[No.]*** | ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***T*** |
| **KKA-I** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| **KKA-II** |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |

1. **Other activities**

| ***Name of programme*** | ***Activities*** | ***No. of farmers benefited*** | | | | | | | | | ***No. of other officials (except KVK)***  ***attended the programme*** |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | T |
| KKA-I | Soil Health Card Distributed |  |  |  |  |  |  |  |  |  |  |
| NADEP  Pit established |  |  |  |  |  |  |  |  |  |  |
| Farm implements distributed |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |
| KKA-II | Soil Health Card Distributed |  |  |  |  |  |  |  |  |  |  |
| NADEP  Pit established |  |  |  |  |  |  |  |  |  |  |
| Farm implements distributed |  |  |  |  |  |  |  |  |  |  |
| Others, if any |  |  |  |  |  |  |  |  |  |  |

***Krishi Kalyan Abhiyan- III***

|  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| ***No. of villages covered*** | ***No. of animal inseminated*** | ***No. of farmers benefitted*** | | | | | | | | | ***Any other, if any***  ***(pl. specify)*** |
| ***SC*** | | ***ST*** | | ***Others*** | | ***Total*** | | |
| ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | ***M*** | ***F*** | T |  |
|  |  |  |  |  |  |  |  |  |  |  |  |

25. Nutri-garden

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.no.** | **Name of KVK** | **Established in KVK Campus** | **No. of nutria-garden established in the village** | **Major vegetables production** |
|  |  |  |  |  |
|  |  |  |  |  |
|  |  |  |  |  |

Please provide one or two good quality photographs

26. Any other programme organized by KVK, not covered above

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Name of the programme** | **Date of the programme** | **Venue** | **Purpose** | **No. of participants** |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

27.Good quality action photographs of overall achievements of KVK during the year (best 10)

|  |  |
| --- | --- |
|  |  |
| OFT on kharif onion varieties suitable for Sundargarh upland situation | OFT on Integrated Disease Management of BLB in Rice |
|  | C:\Users\HP\Desktop\SAC 2021_2022\photos 21-22\New folder (7)\WhatsApp Image 2021-10-28 at 11.58.49.jpeg |
| OFT on herbicides for weed management in kharif tomato | FLD on INM in Bottlegourd |
|  | C:\Users\HP\Desktop\photos 21-22\New folder (13)\WhatsApp Image 2021-12-20 at 17.06.14.jpeg |
| FLD on INM in Ragi | FLD on Leaf curl management Tomato |
|  |  |
| FLD on integrated management of mites in Marigold. | FLD on poultry breed Kadaknath |
| C:\Users\HP\Desktop\photos 21-22\tsp\GARDEN PEA\WhatsApp Image 2022-02-05 at 11.27.50.jpeg |  |
| TSP demonstration on Garden Pea | TSP Demonstration on Maize Variety Kalinga Raj |

**28. SC SP quarter-wise**

**Table-I: Schedule Caste Output & Outcome Achievement/Indicators for 2020-21 (QUARTER-WISE)**

**Physical Output 2020-2021**

| **Sl. No.** | **Indicator/Activities** | **Unit of Indicator** | **Quarterly Breakup (Target)** | **Targets Achieved** | **No. of Beneficiaries** | **Outcome** |
| --- | --- | --- | --- | --- | --- | --- |
| 1 | **Farmers, farm women trained by KVKs** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 2 | **Extension personnel trained by KVKs** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 3 | **On-farm trials conducted by KVKs** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 4 | **Frontline demonstrations conducted by KVKs** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 5 | **Quantity of seeds produced** | **Quintal** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 6 | **Planting materials Produced** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 7 | **Livestock strains and fingerlings produced** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |
| 8 | **Soil & water samples tested** | **Number** | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 | Q-1  Q-2  Q-3  Q-4 |  |