# PROFORMA FOR ANNUAL REPORT2017-18 (April 2017to March 2018)

## 1. GENERAL INFORMATION ABOUT THE KVK

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

| Address | Telephone | | E mail |
|---|---|---|---|
| Krishi Vigyan Kendra, Bhadrak Ranital, Odisha-756111 | 06784-265825 | FAX | kvkbhadrak.ouat@gmail.com<br>kvkbhadrak.od@gov.in<br>kvk.Bhadrak@icar.gov.in |

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

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| Orissa University of Agriculture and Technology, Bhubaneswar, Odisha-751003 | 0674-2397970/2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868 | 0674-2397780 | registrarouat@gmail.com<br>vc@ouat.nic.in/<br>vcouat@gmail.com |

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

| Name | Telephone / Contact | | |
|---|---|---|---|
| Dr. Aurovinda Das | - | 8895417939/7008211174 | auroagro@gmail.com |

1.4. Year of sanction of KVK: 2004

1.5. Staff Position (as on 1st April, 2017)

| 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 | Program Coordinator | Dr. Aurovinda Das | Sr. Scientist & Head | Agronomy | 15600-39100 & GP-8000, BP-28230/- | 06.09.12 | Permanent | Others |
| 2 | Subject Matter Specialist | Sri Ambika Prasad Nayak | Scientist | Fishery Sc | 15600-39100 & GP-6000, BP-24,850/- | 24.03.05 | Permanent | Others |
| 3 | Subject Matter Specialist | Dr. Debiprasad Dash | Scientist | Soil Sc. | 15600-39100 & GP-6000, BP- 21390/- | 11.02.14 | Permanent | Others |
| 4 | Subject Matter Specialist | Dr. Biswanath Sahoo | Scientist | Horticulture | 15600-39100 & GP-6000, BP-23950/- | 18.06.12 | Permanent | Others |
| 5 | Subject Matter Specialist | Dr. Saswati Pattnaik | Scientist | Home Sc. | 15600-39100 & GP-6000, BP-24850/- | 05.09.14 | Permanent | Others |
| 6 | Subject Matter Specialist | Dr. Tapan kumar Palai | Scientist | Animal Sc. | 15600-39100 & GP-6000, BP-16920/-- | 17.06.15 | Permanent | Others |
| 7 | Subject Matter Specialist | Vacant | | | | | Permanent | |
| 8 | Programme Assistant | Sri Gayadhar Shial | Programme Assistant | Agroforestry | 9300-34,800 & GP-4200, BP-14,530/- | 01.10.12 | Permanent | SC |
| 9 | Computer Programmer | Sri Gopal Krushna Ojha | | Computer application | 9300-34,800 & GP-4200, BP-16430/- | 12.08.16 | Permanent | OBC |
| 10 | Farm Manager | Dr. Plabita Ray | Farm Manager | | 9300-34,800 & GP-4200, BP-10130/- | 29.09.17 | Permanent | |
| 11 | Accountant / Superintendent | Sri Somanath Mandal | Accountant / superintendent | - | 9300-34,800 & GP-4600 , BP-19830/- | 01.08.09 | Permanent | SC |
| 12 | Stenographer | Smt Rajashree Singh | Stenographer | - | 5200-20200 & GP-2400, BP-8170/- | 11.10.06 | Permanent | OBC |
| 13. | Driver | Sri Bijaya Kumar Barik | Driver | - | 5200-20,200 & GP-1900, BP-7680, GP-7680/- | 31.07.15 | Permanent | Others |
| 14. | Driver | Sri Sradhansu Sekhar Pattnaik | Driver | - | 5200-20,200 & GP-1900, BP-7130 | 18.06.12 | Permanent | Others |
| 15. | Supporting staff | Sri Prasanta Kumar Dalai | Supporting staff | - | 4440-7440 & GP-1500, BP-6040/- | 28.07.08 | Permanent | OBC |
| 16. | Supporting staff | Sri Harihara Nayak | Supporting staff | - | 4440-7440 & GP-1500, BP-6500/- | 17.07.13 | Permanent | Others |

1.6. Total land with KVK (in ha):22.4ha

| S. No. | Item | Area (ha) |
|---|---|---|
| 1 | Under Buildings | 1.0 |
| 2. | Under Demonstration Units | 2.5 |
| 3. | Under Crops | 10.0 |
| 4. | Orchard/Agro-forestry | 1.0 |
| 5. | Others with details (farm roads, waste land) | 7.9 |
| | Total | 22.4 |

*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 | ✓ | | | | | | | |
| 2. | Farmers Hostel | | | | | ✓ | 280 | | RKVY |
| 3. | Staff Quarters (6) | ✓ | | | | | | | |
| 4. | Piggery unit | ✓ | | | | | | | |
| 5 | Fencing | ✓ | | | | | | | |
| 6 | Rain Water harvesting structure | ✓ | | | | | | | |
| 7 | Threshing floor | | | | | ✓ | | Under use | RKVY |
| 8 | Farm godown | | | | | ✓ | | | Seed Hub project |
| 9. | Dairy unit | ✓ | | | | | | | |
| 10. | Poultry unit | ✓ | | | | | | | |
| 11. | Goatery unit | ✓ | | | | | | | |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| 12. | Mushroom Lab | | | | | ✓ | | Under use | RKVY |
| 13. | Mushroom production unit | ✓ | | | | | | | |
| 14. | Shade house | ✓ | | | | | | | |
| 15. | Soil test Lab | | | | | ✓ | | | ICAR |
| 16 | Others,Please Specify | | | | | | | | |

* 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 |
|---|---|---|---|---|
| Mahindra Bolero | 2009 | 9,00,000.00 | 182997 | Requiring frequent repair |
| Motor cycle | 2009 | 54000 | 35200 | Requiring frequent repair |

C) Equipment & AV aids

| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
|---|---|---|---|---|
| a. Lab equipment | | | | |
| Soil & water testing equipment | | | Need to be replaced | ICAR |
| Mushroom lab equipment | | | Auto clave not functioning | RKVY |
| b. Farm machinery | | | | |
| Tractor | 2002 | 335535 | Condemned | OUAT |
| Rotavator | 2017 | 86000 | Working | Seed Hub |
| Scrapper / leveler | 2017 | 35000 | Working | Seed Hub |
| Pulse thresher | 2017 | 78000 | Working | Seed Hub |
| MB plough | 2017 | 23000 | Working | Seed Hub |
| c. AV Aids | | | | |
| Laptop | 2017-18 | 41950 | Working | ICAR |
| Laptop | 2016-17 | 38000 | Working | ICAR |

| | | | | |
|---|---|---|---|---|
| Generator | 2003-04 | | Not working | ICAR |
| LCD projector | 2015-16 | 53000 | Not working | ICAR |
| Handy Cam Sony | 2011 | 20000 | Working | ICAR |
| Camera, SLR | 2016-17 | 36000 | Working | ICAR |

D) Farm implements

| Name of equipment | Year of purchase | Cost (Rs.) | Present status | Source of fund |
|---|---|---|---|---|
| Rotavator | 2017 | 86000 | Working | Seed Hub |
| Scrapper / leveler | 2017 | 35000 | Working | Seed Hub |
| Pulse thresher | 2017 | 78000 | Working | Seed Hub |
| MB plough | 2017 | 23000 | Working | Seed Hub |
| Tractor | 2002 | 335535 | Condemned | OUAT |
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1.8. Details SAC meeting* conducted in the year

| Sl. No. | Date | Number of Participants | Salient Recommendations | Action taken | If not conducted, state reason |
|---|---|---|---|---|---|
| 1. | 28.02.2017 | 30 | ▪ To develop an ideal sustainable agriculture model in farmer's field and using it for demonstration.<br>▪ Convergence in the best way between line departments and KVK<br>▪ To register more numbers of farmers under KVK portal<br>▪ Sensitization of farm family to develop kitchen garden for nutritional security.<br>▪ Prepare strategy for seed production of onion var. Bhima Super so as to meet the requirement. | ▪ Model will be developed in Kuanrda village<br>▪ Convergence with line department happening through regular monthly Research-Extension meetings<br>▪ In process of collection of farmers database from each villages through agriculture department | |

| | | | | | |
|---|---|---|---|---|---|
| | | | ▪ Capacity building training to grass root level workers to make them trainers for farmers<br>▪ Issues of non-lifting of seeds under seed hub should be communicated to University and ATARI sincerely<br>▪ Promote KVK technologies through convergence with ATMA<br>▪ Beneficiaries under New pond excavation scheme of fishery department may be selected from KVK villages<br>▪ Fodder demonstration unit of KVK should include some perennial fodder trees<br>▪ KVK may prepare UMMB blocks and make available for promotion of technology<br>▪ Processing units should be developed at KVK for processing and value addition in fruits and vegetables<br>▪ All line departments should implement their schemes in KVK villages for best convergence of the activities | ▪ More in service training proposed in 2018-19 for capacity building of extension workers<br>▪ Issues of non lifting of seeds communicated to OUAT and ATARI<br>▪ ATMA-KVK convergence program proposed in 2018-19<br>▪ Perennial fodder plants will be included in fodder unit<br>▪ FLD proposed on UMMB and blocks will also be prepared at KVK under RF<br>▪ Equipment for Home science laboratory have been purchased for value addition purpose.<br>▪ KVK will take initiatives for ensuring implementation of schemes in KVK villages | |

** 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 (2017-18)

| Sl. no. | Item | Information |
|---|---|---|
| 1 | Major Farming system/enterprise | Rice-blackgram/greengram/mustard/sunflower/vegetable;<br>Pisciculture, Dairy, Poultry |
| 2 | Agro-climatic Zone | North Eastern Coastal Plain Zone |
| 3 | Agro ecological situation | AES(3)<br>• Alluvial Canal Irrigated |

<table>
<tr><td></td><td></td><td>• Low lying Flood prone<br>• Saline soil group</td></tr>
<tr><td>4</td><td>Soil type</td><td>Alluvial Soil: 83209 ha, Saline Soil: 20200 ha, Sandy Soil: 19146 ha</td></tr>
<tr><td>5</td><td>Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others(q/ha)</td><td>
<table>
<tr><th>Crop</th><th>Productivity</th><th>Crop</th><th>Productivty</th></tr>
<tr><td>Rice</td><td>42-45</td><td>Groundnut</td><td>20.8</td></tr>
<tr><td>Greengram</td><td>5.9</td><td>Vegetables</td><td>135</td></tr>
<tr><td>Blackgram</td><td>6.0</td><td>Sugarcane</td><td>860</td></tr>
<tr><td>Mustard</td><td>6.1</td><td>Chilli</td><td>6.0</td></tr>
<tr><td>Sunflower</td><td>12.0</td><td></td><td></td></tr>
</table>
</td></tr>
<tr><td>6</td><td>Mean yearly temperature, rainfall, humidity of the district</td><td>1686.5 mm, Mean Max temp-32.4 and min temp-21.5</td></tr>
<tr><td>7</td><td>Production of major livestock products like milk, egg, meat etc.</td><td>Milk:48.2 MT/year<br>Egg: 21.65 million/year<br>Meat:4.38 MT/year</td></tr>
</table>

Note: Please give recent data only

2.b. Details of operational area / villages (2017-18)

| Sl. No. | Name of Taluk | Name of the block | Name of the villages | Major crops & enterprises | Major problems identified (crop-wise) | Identified Thrust Areas |
|---|---|---|---|---|---|---|
| 1 | Rajendra pur | Bhandaripokhari | Thaila | Rice fallow<br>Dairy<br>Poultry<br>Fish | Low yield from DSR due to broadcast sowing, pest incidence, injudicious nutrient management<br>Fish production from smaller ponds leading to low profit<br>Low milk yield and high cost of feed in dairy<br>Slow growth rate of desi poultry bird<br>Opportunity for intensification small ponds with fruits and vegetables | Doubling farmers' income<br>Rice fallow intensification<br>ICM in DSR<br>Nursery raising of carp spawns in small ponds<br>Feed management in cows<br>Backyard poultry for income generation |
| 2 | Adia | Bonth | Kuanrda | Rice fallow<br>Dairy<br>Poultry<br>Fish+fruits/vegetable | Rice fallow<br>High incidence of pests in rice<br>Smaller pond size leading to non lucrative fish farming<br>High cost of production of Milk<br>Poor growth potential of Desi poultry bird | Doubling farmers' income<br>Intensification of rice fallows<br>Varietal evaluation in vegetable crops<br>Remunerative pisciculture in small ponds<br>Cost effective feed management in cows<br>Strengthening livelihood support through poultry and duckery |
| 3 | Radhaballavpur | Dhamnagar | Solagaon | Rice fallow<br>Rice-blackgram paira<br>Dairy<br>Poultry | Frequent flood affect profitability from rice<br>No fertilizer management of blackgram paira crop resulting low yield<br>High cost of milk production<br>High incidence of diseases like FMD and Mastitis<br>Low growth rate of desi poultry bird | Doubling farmers' income<br>Varietal evaluation for flood ecology<br>Nutrient management in Paira cropping<br>Feed management of cows<br>Disease management in livestock<br>Strengthening backyard poultry<br>Mushroom and duckery for income generation |
| 4 | Bodak | Tihidi | Orali | Rice fallow<br>Rice-blackgram paira<br>Dairy<br>Poultry | Frequent flood affect profitability from rice<br>No fertilizer management of blackgram paira crop resulting low yield<br>High cost of milk production<br>High incidence of diseases like FMD and Mastitis<br>Slow growth rate of desi poultry bird<br>Opportunity for mushroom production | Doubling farmers' income<br>Varietal evaluation for flood ecology<br>Nutrient management in Paira cropping<br>Feed management of cows<br>Disease management in livestock<br>Strengthening backyard poultry<br>Duckery for income generation |

| | | | | | | |
|---|---|---|---|---|---|---|
| 5 | Mousudha | Chandbali | Junuda | Ricefallow<br>Dairy<br>Poultry | Low yield from local rice varieties<br>High incidence of insect and diseases in rice<br>High cost of milk production<br>High incidence of diseases like FMD and Mastitis<br>Poor growth potential of desi poultry bird | Paira cropping in fallows<br>Varietal evaluation for salt affected ecology<br>Fodder production for feed management of cows<br>Backyard poultry variety<br>Mushroom cultivation for income generation |

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2017-18) for its development and action plan

| Name of village | Block | Action taken for development |
|---|---|---|
| Thaila | Bhandaripokhari | ICM of mechanized direct seeded rice with STBFR<br>Greengram /Blackgram as paira for intensification of rice fallows<br>Nursery raising of carp spawns to frys in small backyard tanks<br>High valued horticultural crops on dykes of backyard small ponds.<br>Vermicompost production using locally available resources<br>Fodder and azolla production for feed management of cow<br>Rainbow rooster/ kegg in backyard system<br>Multidisciplinary trainings<br>Animal Health Camp and Awareness camp on Soil sample collection and testing<br>Seed treatment campaign |
| Kuanrda | Bonth | ICM of mechanized direct seeded rice with STBFR<br>Greengram /Blackgram as paira for intensification of rice fallows<br>Nursery raising of carp spawns to frys in small backyard tanks<br>High valued horticultural crops on dykes of backyard small ponds.<br>Vermicompost production using locally available resources<br>Fodder and azolla production for feed management of cow<br>Rainbow rooster/ kegg in backyard system<br>Multidisciplinary trainings<br>Animal Health Camp and Awareness camp on Soil sample collection and testing<br>Seed treatment campaign |
| Solagaon | Dhamnagar | Flood tolerant rice variety Swarna Sub1 under flash flood situation<br>Nutrient management in rice blackgram paira cropping |

| | | |
|---|---|---|
| | | Fodder and azolla production for feeding management of cattle<br>Rainbow rooster/ kegg in backyard system<br>Paddy straw Mushroom production for higher income<br>Multidisciplinary trainings<br>Animal Health Camp and Awareness camp on Soil sample collection and testing<br>Seed treatment campaign |
| Orali | Tihide | Flood tolerant rice variety Swarna Sub1 under flash flood situation<br>Nutrient management in rice blackgram paira cropping<br>Fodder and azolla production for feeding management of cattle<br>Rainbow rooster/ kegg in backyard system<br>Paddy straw Mushroom production for higher income<br>Multidisciplinary trainings |
| Junuda | Chandbali | Salt tolerant rice variety Luna Sampad for saline areas<br>Greengram /Blackgram as paira for intensification of rice fallows<br>Fodder and azolla for feeding management of cattle.<br>OUAT synthetic colour poultry in backyard system<br>Paddy straw Mushroom cultivation for higher income<br>Multidisciplinary trainings |

2.1 Priority thrust areas

| S. No | Thrust area |
|---|---|
| 1. | Doubling farmers' income through integrated approach |
| 2. | Integrated Crop Management of Rice including stress ecosystems |
| 3. | Varietal evaluation in field and horticultural crops |
| 4. | Rice fallow intensification |
| 5. | Promotion of farm mechanization and RCT in rice based cropping system |
| 6. | Promoting INM and IPDM approach in field and horticultural crops |
| 7. | Vermicomposting for soil health management |
| 8. | Scientific management practices in pisciculture |
| 9. | Promoting pond based integrated fish farming systems and popularizing fish seed production in small backyard ponds |
| 10. | Promotion of off farm activities and secondary agriculture for employment generation |
| 11. | Employment generation of farm women |
| 12. | Promotion of scientific and low cost feeding practices in livestock through fodder production |
| 13 | Promotion of Backyard poultry rearing system marginal and landless farmers |

## 3. TECHNICAL ACHIEVEMENTS

3. A. Details of target and achievement of mandatory activities by KVK during the year

| OFT | | | | | | FLD | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| No. of technologies: 09 | | | | | | No. of technologies: 18 | | | | | |
| Number of OFTs | | Number of farmers | | | | Number of FLDs | | Number of farmers | | | |
| Target | Achievement | Target | Achievement | | | Target | Achievement | Target | Achievement | | |
| | | | SC/ ST | Others | Total | | | | SC/ ST | Others | Total |
| 10 | 09 | 65 | 16 | 61 | 77 | 18 | 18 | | 52 | 139 | 191 |

| Training | | | | | | Extension activities | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | | | | |
| Number of Courses | | Number of Participants | | | | Number of activities | | Number of participants | | | |
| Target | Achievement | Target | Achievement | | | Target | Achievement | Target | Achievement | | |
| | | | SC/ ST | Others | Total | | | | SC/ ST | Others | Total |
| 87 | 63 | 2150 | - | - | 1775 | 2673 | 1840 | - | - | - | 53609 |

| Seed production (q) | | Planting material (in Lakh) | |
|---|---|---|---|
| | | | |
| Target | Achievement | Target | Achievement |
| 270 | 213.8 | 0.43500 | 0.1420 |

| Livestock strains and fish fingerlings produced (in lakh)* | | Soil, water, plant, manures samples tested (in lakh) | |
|---|---|---|---|
| Target | Achievement | Target | Achievement |
| 35 lakhs spawns, 60,000 yearlings and 6000 ornamental fishes<br>500 nos. of 21 days brooded chicks | 35 lakhs of spawns, 39,170 yearlings and 2800 ornamental fishes<br>330 nos of 21 days brooded chicks | 1000 soil samples and 200 water samples | 341 soil samples and 152 water samples |

* Give no. only in case of fish fingerlings

| Publication by KVKs | | |
|---|---|---|
| Item | Number | No. circulated |
| Research paper | 4 | - |
| Seminar/conference/ symposia papers | 2 | - |
| Books | - | - |
| Bulletins | - | - |
| News letter | 1 | 500 |
| Popular Articles | 4 | - |
| Book Chapter | - | - |
| Extension Pamphlets/ literature | 5 | 3500 |
| Technical reports | 100 | 350 |
| Electronic Publication (CD/DVD etc) | 6 | 24 |
| TOTAL | 122 | 4374 |

**1 Achievements on technologies assessed and refined**

# OFT-1

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of short term starvation and re-feeding on growth of IMC |
| 2. | Problem diagnosed | Heavy wastage of feed due to improper daily feeding. FCR exceeds beyond 2.5, cost involvement towards artificial feeding is very high |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | $TO_1$: 8 weeks continuous feeding with 2 weeks of starvation<br>$TO_2$: 4 weeks continuous feeding with 2 weeks of starvation<br>(Assessed) |
| 4. | Source of Technology | IIWM, 2014 |
| 5. | Production system and thematic area | Small and medium ponds, Fish production and management |
| 6. | Performance of the Technology with performance indicators | ABW (at the end of 3 months), Yield (q/ha), FCR |
| 7. | Final recommendation for micro level situation | At microlevel, farmers can feed fishes for 8 weeks continuously with a feeding holiday of 2 weeks to save cost |
| 8. | Constraints identified and feedback for research | No constrains identified |

| | | |
|---|---|---|
| 9. | Process of farmers participation and their reaction | Farmers participated in the whole process of experiment and realized that the feed cost can be minimized upto Rs.18000/ha of WSA/crop |

## *Thematic area:* Fish production and management

Problem definition: Small to medium ponds, wastage and high cost involvement towards feed.

Technology assessed: Short term starvation and re-feeding for best utilization of natural feed by fishes and cost saving

Results:

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 effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | FCR | | | | | | |
| $TO_1$ | 2 | | | | 1.52 | | 31.84 | 143866 | 315066 | 171200 | 2.19 |
| $TO_2$ | 2 | | | | 1.20 | | 28.20 | 132743 | 282473 | 150000 | 2.13 |

## OFT-2

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of Ivermectin in controlling Argulosis in fish ponds |
| 2. | Problem diagnosed | Use of pyrethroid group of pesticides which deplete zooplankton population and is a limiting factor for prawn polyculture |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: Paracure I.V (Ivermectin 2% w/w with fish feed @250mg/kg feed<br>$TO_2$: $TO_1$ + Paracure B.T.@200ml/acre-m in water<br>Assessed |
| 4. | Source of Technology | CIIFA, 2013 |
| 5. | Production system and thematic area | Fish disease management |

| | | |
|---|---|---|
| 6. | Performance of the Technology with performance indicators | Disease incidence (%), Yield (q/ha) |
| 7. | Final recommendation for micro level situation | Incorporation of Ivermectin in fish feed along with its application in pond water controls argulosis most effectively |
| 8. | Constraints identified and feedback for research | No constraints |
| 9. | Process of farmers participation and their reaction | Farmers involved in the current assessment were convinced with the results both in terms of disease management and fish yield. |

*Thematic area:* Fish disease management

Problem definition: Major loss in FW fish production of the district (around 40 %) is due to outbreak of fish lice infestation (Argulosis)

Technology assessed: Use of Ivermectin to control Argulosis instead of Pyrethroid group of drugs

Results:

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 effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| $TO_1$ | 2 | - | - | - | 5 | 28.2 | 125150 | 287850 | 162700 | 2.3 |
| $TO_2$ | 3 | - | - | - | 1 | 29.4 | 123200 | 295700 | 172500 | 2.4 |

## OFT-3

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of farm made feed on milk production in cows |
| 2. | Problem diagnosed | High cost of concentrate leading to increase cost of milk production |

| | | |
|---|---|---|
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: Grazing + Commercial Feed (3-4kg/cow/day)<br>$TO_2$: Grazing + farm made low cost feed (maize and broken rice- 40%, GNOC/MOC/ SOC/Pulse bran- 25%, DORB -20%, wheat bran/chuni -10%, Mineral mix and Salt -5%)- 3-4 kg/cow/day<br>Assessed |
| 4. | Source of Technology | NDDB, 2012 |
| 5. | Production system and thematic area | Homestead, Livestock Production Management |
| 6. | Performance of the Technology with performance indicators | Milk Yield (l/day) Cost saving/day |
| 7. | Final recommendation for micro level situation | Preparation of concentrate using available ingredients decrease the feed cost upto Rs 5/kg of concentrate when compared with commercial grain. Milk production due to feeding with farm made feed was at par with that with commercial feed. |
| 8. | Constraints identified and feedback for research | No constraints |
| 9. | Process of farmers participation and their reaction | Farmers were convinced with the result and interested to continue |

## *Thematic area:* Livestock Production and Management

Problem definition: High cost of feed de-motivates dairy farmers for daily concentrate feeding. Low profitability due to low milk production

Technology assessed: Preparation of low cost feed using available raw materials and feeding the milch cow

Results:

| Technology option | No. of trials | Yield component | | | Feed Cost Rs/l of milk | Milk Yield (l/yr) | Cost of cultivation (Rs./yr/cow) | Gross return (Rs./yr/cow) | Net return (Rs./yr/cow) | BC ratio |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| $TO_1$ | 4 | - | - | - | 8.8 | 1350 | 18440 | 33930 | 15490 | 1.84 |
| $TO_2$ | 4 | - | - | - | 6.4 | 1350 | 16211 | 33881 | 17670 | 2.09 |

# OFT-4

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of concentrate and mineral mixture supplementation on body weight gain in goats |
| 2. | Problem diagnosed | Slow growth rate due to imbalanced ration |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: Browsing + Mineral Mix @10g/goat/day<br>$TO_2$: Browsing + Concentrate @ 100g/goat/day<br>$TO_3$: Browsing + Mineral Mix @10g/goat/day+ Concentrate @ 100g/goat/day |
| 4. | Source of Technology | NIANP, 2012 |
| 5. | Production system and thematic area | Homestead, Livestock production and management |
| 6. | Performance of the Technology with performance indicators | Body weight gain/3months |
| 7. | Final recommendation for micro level situation | Goats fed with concentrate and mineral mix showed best result in terms of gain in body weight but feeding only concentrate gave best result interms of net income |
| 8. | Constraints identified and feedback for research | No constraints |
| 9. | Process of farmers participation and their reaction | Goat farmers involved in administering the technologies and obtained a good response of farmers due to faster growth rate of goats. |

*Thematic area:* Livestock Production and Management

Problem definition: Improper feeding management in goats leading to the slower body weight gain. It is the case for all goat farmers in the district.

Technology assessed: Feeding of concentrate and mineral mix to goat on growth rate of goats

Results:

Table:

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | Yield component | | | | | | |

| Technology option | No. of trials | No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | Disease/ insect pest incidence (%) | Avg. body weight/goat (kg/yr) | Cost of production (Rs./goat) | Gross return (Rs/goat) | Net return (Rs./goat) | BC ratio |
|---|---|---|---|---|---|---|---|---|---|---|
| $TO_1$ | 20 | - | - | - | - | 10.2 | 735 | 2715 | 1980 | 3.7 |
| $TO_2$ | 20 | - | - | - | - | 16.6 | 997 | 4387 | 3390 | 4.4 |
| $TO_3$ | 20 | - | - | - | - | 17.8 | 1016 | 4166 | 3150 | 4.1 |

## OFT-5

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of tomato hybrids in rice-tomato cropping system |
| 2. | Problem diagnosed | Low tomato yield due to high incidence of wilt |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | $TO_1$: Arka Rakshak<br>$TO_2$: Arka Samrat<br>Assessed |
| 4. | Source of Technology | IIHR, 2012 |
| 5. | Production system and thematic area | Rice tomato production system, Varietal evaluation |
| 6. | Performance of the Technology with performance indicators | Wilt incidence (%), Fruit weight and yield (q/ha) |
| 7. | Final recommendation for micro level situation | There was no incidence of ToLCV infestation in both Rakshyak and Samrat variety of tomato. Arka Samrat gave best result in terms of yield |
| 8. | Constraints identified and feedback for research | Marketing of the product |
| 9. | Process of farmers participation and their reaction | Trial conducted in farmers' field. Farmers have positive response |

*Thematic area:* Varietal evaluation in vegetable

Problem definition: High incidence of ToLCV in commonly cultivated hybrids of tomato. Around 30-35% wilting complex, 20-27% blight and 10-17% ToLCV in tomato crop has been encountered.

Technology assessed: Wilt tolerant varieties Arka Rakshak and Arka Samrat

Results:

Table:

| Technology option | No. of trials | Yield component | | | Disease/ insect pest incidence (%) ToLCV | Yield (q/ha) | Cost of cultivation (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| $TO_1$ | 8 | - | - | - | 0 | 604.4 | 157396 | 459596 | 302200 | 2.92 |
| $TO_2$ | 8 | - | - | - | 0 | 652.2 | 164697 | 490797 | 326100 | 2.98 |

## OFT-6

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of semi composting method in paddy straw mushroom |
| 2. | Problem diagnosed | Low biological efficiency of conventional method of bed preparation for paddy straw mushroom |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: Paddy straw mushroom cultivation by composting method with 1.0% spawning<br>$TO_2$: Paddy straw mushroom cultivation by composting method with 1.5% spawning |
| 4. | Source of Technology | DMR, 2011, CTMRT, 2016 |
| 5. | Production system and thematic area | Homestead, IGA |
| 6. | Performance of the Technology with performance indicators | Yield/bag, Biological Efficiency (%) |
| 7. | Final recommendation for micro level situation | Paddy straw mushroom following semicomposting method and 1% spawning gave higher yield in comparision to 1.5% spawining |
| 8. | Constraints identified and feedback for research | Issues of sterilization of straw. Trial will be put under refinement |
| 9. | Process of farmers participation and their reaction | Farmers whole heartedly participated the said assessment and were convinced with the findings of the experiment |

*Thematic area:* Income generating activity

Problem definition: Increased cost of straw due to mechanization in rice system, low yield from traditional methods

Technology assessed: Paddy straw mushroom cultivation following semi-composing method with varied spawning percent

Results:

Table:

| Technology option | No. of trials | Yield component | | | BE (%) | Yield Kg/bed | Cost of cultivation (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| $TO_1$ | 5 | - | - | - | 13 | 0.92 | 13658 | 19258 | 5600 | 1.41 |
| $TO_2$ | 5 | - | - | - | 15 | 0.90 | 15294 | 20494 | 5200 | 1.34 |

OFT-7

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of seed coating of greengram with lime in rice greengram cropping system under acid soil |
| 2. | Problem diagnosed | Acidic soil adversely affecting growth and yield of greengram |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: STBF + Innoculation of Rhizobium<br>$TO_2$: STBF+ Innoculation of Rhizobium with lime seed coating |
| 4. | Source of Technology | OUAT, 2016 |
| 5. | Production system and thematic area | Rice-greengram, Soil management |
| 6. | Performance of the Technology with performance indicators | Germination %, nodulation per plant, number of pods per plant, test weight, yield (q/ha) |
| 7. | Final recommendation for micro level situation | Crop damaged due to rain |

| | | |
|---|---|---|
| 8. | Constraints identified and feedback for research | Heavy daily rain hampers the crop |
| 9. | Process of farmers participation and their reaction | |

## *Thematic area:* Integrated Nutrient Management

Problem definition: Low yield of greengram due to acidic soil

Technology assessed: Seed coating of greengram with lime in rice greengram cropping system under acid soil

Results:

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 effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| TO1 | 6 | Crop damaged due to incessant rain | | | | | | | | |
| TO2 | 7 | | | | | | | | | |

## OFT-8

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of vegetable based cropping sequences under protected condition |
| 2. | Problem diagnosed | Lack of information about cropping calendar under protected cultivation |
| 3. | Details of technologies selected for assessment/refinement (Mention either Assessed or Refined) | $TO_1$: Off season cauliflower-capsicum-spinach<br>$TO_2$: Tomato-cucumber-French bean-coriander |
| 4. | Source of Technology | ICAR-RCNEH, 2009 |

| | | |
|---|---|---|
| 5. | Production system and thematic area | Vegetable based, Hi tech Horticulture |
| 6. | Performance of the Technology with performance indicators | Number of fruits/plant, Avg fruit weight (g), Yield q/ha |
| 7. | Final recommendation for micro level situation | Tomato-cucumber-French bean-coriander cropping sequence has higher return under protected cultivation |
| 8. | Constraints identified and feedback for research | - |
| 9. | Process of farmers participation and their reaction | The cropping sequence2 has more return in comparison to CS-1 |

## *Thematic area:* Hi-tech Horticulture

Problem definition: Lack of information on cropping sequences to be followed under protected conditions

Technology assessed: Cropping sequences of vegetables in protected cultivation condition

Results:

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 fruits/plant | Wt.of fruit (g) | Yield /plant (kg) | | | | | | |
| FP: Brinjal | | | | | | 389.4 | 53800 | 116820 | 63020 | 2.17 |
| TO1: cauliflower-capsicum-spinach | 03 | | 0.9 | 0.9 | | Cauliflower: 414.2 Capsicum:402.1 | 212000 | 603800 | 391800 | 2.84 |

| | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Spinach : 246.3 | | | | |
| TO 2 (Tomato-cucumber-French bean-Coriander) | 03 | | | | | Tomato : 678.7<br><br>Cucumber:448.1<br><br>Bean:<br><br>210.7<br><br>Coriander: 44.8 | 371400 | 497900 | 126500 | 1.34 |

## OFT-9

| | | |
|---|---|---|
| 1. | Title of On farm Trial | Assessment of nutritional supplementation of Iron for pregnant farm women through nutritional garden |
| 2. | Problem diagnosed | Low Hemoglobin content in farm women and unplanned crop sequence in nutritional garden |
| 3. | Details of technologies selected for assessment/refinement<br>(Mention either Assessed or Refined) | $TO_1$: Green leafy vegetable cultivation in nutritional garden and inclusion in diet one time/day<br>$TO_2$: Green leafy vegetable cultivation in nutritional garden and inclusion in diet two times/day |
| 4. | Source of Technology | ICMR, 2007 |
| 5. | Production system and thematic area | Backyard, Nutritional security |
| 6. | Performance of the Technology with performance indicators | Hb percentage (after 4 m of diet schedule) |
| 7. | Final recommendation for micro level situation | |

| | | |
|---|---|---|
| 8. | Constraints identified and feedback for research | |
| 9. | Process of farmers participation and their reaction | Conducted in farmers kitchen garden |

## *Thematic area:* Nutritional security

Problem definition: Low Hemoglobin content in farm women and poor nutritional supplementation in daily diet.

Technology assessed: Inclusion of leafy vegetables in the diet to increase the Hb percentage in farm women

Results:

Table:

| Technology option | No. of trials | Yield component | | | RDA (%) | Avg. BMI, kg/m$^2$ | Cost of cultivation (Rs./ha) | Gross return (Rs/ha) | Net return (Rs./ha) | BC ratio |
|---|---|---|---|---|---|---|---|---|---|---|
| | | No. of effective tillers/hill | No. of spikelet per panicle | Test wt. (100 grain wt.) | | | | | | |
| TO1:Leafy vegetable once daily | | | | | 25 | 18.3 | | | | |
| TO2:Leafy vegetable twice daily | | | | | 50 | 19.8 | | | | |

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 | |
| 1. | Paddy | ICM | Line sowing using seed cum fertilizer drill +Basal dose<br>Postemergent application of Bispyribac sodium 10% SC@200 ml/ha at 15-20 DAS<br>Soil testing for major and micro nutrients<br>Recommendation based on soil test | 8 | 8 | 12 | 18 | 30 | |
| 2. | Paddy | Varietal evaluation | Flood tolerant variety Swarna Sub 1<br>Soil test based fertilizer application | 5 | 5 | 5 | 12 | 17 | |
| 3. | Paddy | IPM | Skip row planting (after 3 m), installation of spider trap @ 25/ ha. Alternate spraying of Flonicamid 150 g/ ha and Dichlorvos @ 750 ml/ ha | 2 | 2 | 1 | 9 | 10 | |
| 4 | Paddy | Varietal evaluation | Luna Suvarna<br>Luna Sampad<br>(Transplanted rice, STBFR) | 5 | 2 | 5 | 9 | 14 | Required seed was not available from NRRI |

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 | $P_2O_5$ | $K_2O$ | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Paddy | Kharif | Irrigated | Alluvial soil | 224-447 | 4.5-26 | 56-279 | Fallow | 1-10 June 2017 | 10 November 2017 | 869-1166 | 57-63 |
| Paddy | Kharif | Rain fed | Alluvial | 257-457 | 6-26 | 50-214 | Blackgram | 15-25 June 2017 | 17-25 November 2017 | 869-1138 | 69-73 |
| Paddy | Kharif | Irrigated | Alluvial | 118-335 | 6.3-26 | 33-130 | Fallow | 20-30 June 2017 | 25-30 Nov 2017 | 1263 | 68 |
| Paddy | Kharif | Rain fed | Saline soil | 202-300 | 7-25 | 91-294 | Fallow | 18-28 June 2017 | 25-2 Dec 2017 | 1501 | 85 |

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 |
| | | | | | | | | | | | | | | | |
| 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) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demons Ration | Check | | Demo | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Rice | ICM | Mechanized direct seeded rice with integrated crop management | 30 | 8 | 40.0 | 38.2 | 4.7 | Cost saving, Rs/ha 3050 | Cost saving, Rs/ha 0 | 38050 | 60000 | 21900 | 1.57 | 41100 | 57300 | 16200 | 1.39 |
| Rice | Varietal Evaluation | Flood tolerant rice var. Swarna sub 1 | 17 | 5 | 37.0 | 36.2 | 2.2 | No.effective tillers/$m^2$ 218 | No.effective tillers/$m^2$ 221 | 37100 | 55500 | 18400 | 1.49 | 36300 | 54300 | 18000 | 1.49 |
| Rice | Varietal Evaluation | Salt tolerant var. Luna Sampad, Luna Suvarna | 14 | 2 | 39.1 | 37.5 | 4.2 | No.effective tillers/$m^2$ 210 | No.effective tillers/$m^2$ 195 | 37800 | 58650 | 20850 | 1.55 | 37800 | 56250 | 18450 | 1.49 |
| Rice | IPM | IPM module for management of plant hoppers in rice | 10 | 2 | 46.9 | 41.6 | 12.7 | BPH/hill 7.8 | BPH/hill 28.8 | 42200 | 70350 | 28150 | 1.66 | 41500 | 62400 | 20900 | 1.50 |
| Okra | ICM | Thiourea application in okra: Seed treatment with 500 ppm + foliar application+ zinc @ 5 kg $ha^{-1}$ | 11 | 0.4 | 158.9 | 146.7 | 8.3 | | | 81530 | 190780 | 109250 | 2.34 | 81050 | 176690 | 95640 | 2.18 |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Potato | Varietal evaluation | Potato Variety: Kufri Surya | 13 | 0.4 | 275.2 | 228.8 | 20.27 | | | 82081 | 192891 | 110810 | 2.35 | 82453 | 160783 | 78330 | 1.95 |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | | | | |
| | | Total | 94 | 17.8 | | | | | | | | | | | | | |

Livestock

| Category | Thematic Area | Name of the technology demonstrated | No. of Farmer | No. of units | Major parameters | | % change in major parameter | Other parameter | | *Economics of demonstration (Rs.) | | | | *Economics of check (Rs.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demons Ration | Check | | Demons ration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Dairy | LPM | Fodder and azolla production for feeding management of cattle | 17 | 17 | Milk yield 4.2L/cow/day | Milk yield 3.5L/cow/day | 21.4 | Feed cost saving Rs 5400/yr | 0 | 25761 | 49461 | 23700 | 1.92 | 32222 | 46722 | 14500 | 1.45 |
| Poultry | LPM | Demonstration of Kegg poultry in backyard | 28 | 350 | Avg. body wt/3months 1.5 kg | Avg. body wt/3months 0.9 kg | 66.6 | | | 500 | 2200 | 1700 | 4.4 | 300 | 1300 | 1000 | 4.3 |
| Poultry | LPM | Demonstration Pallsihree poultry in backyard | 20 | 300 | Avg. body wt/4months 1.4kg | Avg. body wt/4months 1.1 kg | 27.2 | | | 655 | 2815 | 2160 | 4.3 | 528 | 1848 | 1320 | 3.5 |
| Total | | | 65 | 667 | | | | | | | | | | | | | |

* 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.) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Carp | Production and Management | Nursery raising of carp spawns to frys in small backyard tanks | 11 | 11 | Fish equivalent yield, q/ha 45.6 | Fish equivalent yield, q/ha 15.2 | 66.6 | | | 159910 | 337410 | 177500 | 2.11 | 76923 | 156923 | 80000 | 2.04 |
| Carp | Production and Management | 'Jayanti rohu' (CIFA-IR) in place of traditional rohu in 3-species IMC culture | 24 | 24 | Fish yield, q/ha 40.85 | Fish yield, q/ha 32.89 | 24.2 | | | 181154 | 416654 | 235500 | 2.3 | 150750 | 331650 | 180900 | 2.2 |
| | Total | | 35 | 35 | | | | | | | | | | | | | |

* 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 | | % change in major parameter | Other parameter | | *Economics of demonstration (Rs.) or Rs./unit | | | | *Economics of check (Rs.) or Rs./unit | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | Demonstration | Check | | Demonstration | Check | Gross Cost | Gross Return | Net Return | ** BCR | Gross Cost | Gross Return | Net Return | ** BCR |
| Vermicompost | Demonstration of vermicompost production using available farm resources | 7 | 7 | 34 q/yr | 24q/yr | 41.6 | NPK 1.46,0.82,1.8 Composting time-75 days | NPK 0.6,0.25, 0.8 Composting time-180 days | 8400 | 17500 | 9100 | 2.08 | 2500 | 7200 | 4700 | 2.88 |
| Total | | 7 | 7 | | | | | | | | | | | | | |

* 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) | | | | Cost reduction (Rs./ha or Rs./Unit) | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Demonstration | 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 | | | | | | | | | | |
| Paddy | | | | | | | | | | |
| 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 | Feedback |
|---|---|---|
| 1 | Rice | For mechanized DSR, seed drills are not available, herbicides may not be easily available |
| 2 | Rice | For BPH management technology, farmers not easily willing to allow skip row planting |
| 3 | Rice | Swarna sub 1 rice variety lodged when very high rainfall happened during harvest stage and also vivipary germination observed |

Extension and Training activities under FLD

| Sl. No. | Activity | Date | No. of activities organized | Number of participants | Remarks |
|---|---|---|---|---|---|
| 1. | Field days | 26/12/17, 8/1/18 | 2 | 100 | One field day each on STBFR and BPH management |
| 2. | Farmers Training | 22/7/17, 23/8/17, 28/10/17, 4/1/18, 10/1/18 | 5 | 210 | 4 nos of training on fodder and Azolla production and 1 on Brooding and feeding management in chicks |
| | | 23/8/17, 12-14/9/17, 18/9/17, 26/12/17, 20/1/2018 | 5 | 160 | 3 nos of training o fish seed production and 2 nos. on Jayanti rohu production |
| | | 27/7/17, 28/8/17, 26/9/17, 09-13/10/17, 24-25/11/17, 15/12/17 | 6 | 160 | Training on Vermicomposting, weed management in rice and 1 on STBFR |
| 3. | Media coverage | | | | |
| 4. | Training for extension functionaries | 14/07/17, 10/08/17,08/09/17, 16/12/17 | 5 | 20 | Same 20 extension functionaries attended 5 days training |

**Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif2017 and Rabi 2017-18:**

**A. 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 | Greengram | TARM-1 | 7 | -110 | -220 | 500 | ▪ Var. IPM-02-14<br>▪ Line planting with seed cum fertilizer drill<br>▪ Soil test based fertilizer<br>▪ Seed treatment with Mancozeb+Carbendazim, | 111 | 50 | 3.8 | 0.8 | 1.92 | Rain damaged crop and affected results | | |

| | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | *Rhizobium* culture<br>▪ Soil application of PSB and *Trichoderma viridi*<br>▪ B,NPK 18:18:18<br>▪ Neem based pesticides<br>▪ Post harvest safe storage | | | | | | | | |
| 2 | Mustard Variety - Anuradha | M-27 | 6.92 | -207 | -270 | 308 | • Var. Anuradha<br>• Line planting using seed cum fertilizer drill<br>• Soil test based fertilizer<br>• *Trichoderma viridi* incubated with FYM<br>• Seed treatment with Mancozeb+Carbendazim<br>• Sulphate of potash, B, NPK 18:18:18 foliar spray<br>• Neem based pesticides<br>• Light irrigation | 25 | 19 | 10.96 | 7.04 | 8.456 | | | 49.7 |

**B. 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 | ▪ Var. IPM-02-14<br>▪ Line planting with seed cum fertilizer drill<br>▪ Soil test based fertilizer<br>▪ Seed treatment with Mancozeb+Carbendazim, *Rhizobium* culture<br>▪ Soil application of PSB and *Trichoderma viridi*<br>▪ B,NPK 18:18:18<br>▪ Neem based pesticides<br>▪ Post harvest safe storage | 15057 | 10431 | -4626<br>Rain damaged crop and affected results | | | | | |
| 2 | Variety –Anuradha<br>Line planting of seeds along with fertilizers using seed cum fertilizer drill<br>Foliar application of S and B | 16988 | 21235 | 4247 | 1.25 | 18565 | 25806 | 7241 | 1.39 |

| | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | IPM (Neem oil 1500 ppm @ 1.5 l/ha at flowering stage along with pesticides, Thiomethoxam, Emamectin benzoate | | | | | | | | |

**Greengram crop damaged due to continuous rain in April 2018*

**C. 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 | Greengram, Var. IPM-02-14 | 9500 | Not yet sold | - | | - | | 10 MD additional |
| 2 | Mustard Variety-Anuradha | 16076 | 640 | 30/ | - | - | Yes, for house hold expenditure | 9 MD additional |

**D. Pulse and Oilseed 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 | ▪ Var. IPM-02-14<br>▪ Integrated crop management with STBFR, IPM | Yes | Yes | Yes | | Yes | Establishment of processing unit for value addition |
| 2 | Mustard var. Anuradha with ICM | Yes | Yes | Seed drill can be a constraint | No | Yes | Market price is very low. Higher MSP is suggested |

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

| Specific Characteristic | Performance | Performance of Technology vis-a vis Local Check | Farmers Feedback |
|---|---|---|---|
| Variety IPM-02-14,75 days duration. | No incidence of YMV in demo crop<br>Later part of crop growth rain damaged | No incidence of YMV in demo crop as compared to local check var. | Farmers are satisfied with the variety and technology. But due to continous rain, they realized the crop loss and next year they will go for line sowing. |
| Line planting of mustard | Registered higher profitability | Higher yield as compared to local check | Positive response to line planting with neem based IPM |

**F. Extension activities under FLD conducted:**

| Sl. No. | Extension Activities organized | Date and place of activity | Number of farmer attended |
|---|---|---|---|
| | Training on mustard | 04.01.18, Sarasatia | 30 |
| | Field day on mustard | 15.03.18, Sarasatia | 50 |
| | Field visit by dignitaries | 15.02.18, Sarasatia | 40 |

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

**H. Farmers' training photographs**

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

**J. Details of budget utilization**

| Crop (provide crop wise information) | Items | Budget Received (Rs.) | Budget Utilization (Rs.) | Balance (Rs.) |
|---|---|---|---|---|
| Mustard | i) Critical input | 90000 | 114000 | -24000 |
| | ii) TA/DA/POL etc. for monitoring | | | |
| | iii) Extension Activities (Field day) | | | |
| | iv)Publication of literature | | | |
| | **Total** | **90000** | **114000** | **-24000** |
| Greengram | i) Critical input | Not received | 336298 | -336298 |
| | ii) TA/DA/POL etc. for monitoring | | | |
| | iii) Extension Activities (Field day) | | | |
| | iv)Publication of literature | | | |
| | **Total** | | **336298** | **-336298** |

**K. List of Farmer under FLD (Crop wise)**
**Crop Greengram**

| Name of farmer | Father'sname | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Latitude | Longitude | | | | | | H | L | A | | |
| | | | | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
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**Greengram**

| Name of farmer | Father's name | Village | Block | Mobile No. | Email ID | GPS Coordinates (DDMMSS format) | | GPS Coordinates (DDMMSS format) | | Soil testing done (Yes/No) | Recommendations based on soil test value | Brief technology intervention | Variety | Seed quantity used (Kg) | Demo. Yield (q/ha) | | | Yield of local check q/ha | % increase |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | Latitude | Longitude | Latitude | Longitude | | 20:40:20 | | PU-31 | 10.34 | H | L | A | | |
| | | | | | | | | | | | | ▪ Var. IPM-02-14(YMV tolerant) @ 20 Kg/ha<br>▪ Line | | | | | | | |
| Trilochana Patra | Narahari | Thailа | Bhandaripokhari | | | N21°00.177' | E086°20.299' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 15.36 | | | 1.8 | 1.73 | 4.05 |
| Sudarsana Patra | Harekrushna | Thailа | Bhandaripokhari | | | N21°00.160' | E086°20.271' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 15.68 | | | 2.8 | 1.73 | 61.85 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Surendra Das | Babaji | Thaila | Bhandaripokhari | | | N 21° 00.150' | E 086° 20.249' | | | Yes | 20:40:25 kg/ha. N:P:K | planting with seed cum fertilizer drill with 30 cm row spacing<br>▪ Soil test based fertilizer recommendation<br>▪ Seed treatment with Mancozeb+Carbendazim @ 2g/Kg seeds and seed inoculation with *Rhizobium* | IPM-02-14 | 14.72 | | | 1.2 | 1.73 | -30.64 |
| Pravakar Aruk | Balaram | Thaila | Bhandaripokhari | | | N 21° 00.153' | E 086° 20.248' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 9.28 | | | 1.3 | 1.73 | -24.86 |
| Pramila Majhi | W/O-Nuri | Thaila | Bhandaripokhari | | | N 21° 00.1' | E 086° 20.248' | | | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 2.88 | | | 1.5 | 1.73 | -13.29 |
| Babuli Behera | Nakula | Thaila | Bhandaripokhari | | | N 21° 00.149' | E 086° 20.257' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 3.52 | | | 1.8 | 1.73 | 4.05 |
| Indrajit Barik | Baikuntha | Thaila | Bhandaripokhari | | | N 21° 00.167' | E 086° 20.299' | | | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4.16 | | | 1.7 | 1.73 | -1.73 |
| Payodhar Sahoo | Bipin | Thaila | Bhandaripokhari | | | N 21° 00.176' | E 086° 20.306' | | | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 16 | | | 2.2 | 1.73 | 27.17 |
| Prahallad Sahoo | Baidhar | Thaila | Bhandaripokhari | | | N 21° 00.150' | E 086° 20.265' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 11.52 | | | 2.5 | 1.73 | 44.51 |
| Rangadhar Pati | Dadhi | Thaila | Bhandaripokhari | | | N 21° 00.157' | E 086° 20.284' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 6.72 | | | 3 | 1.73 | 73.41 |

| | | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ramakanta Barik | Sanatan | Thaila | Bhandaripokhari | | | N 21° 00.158' | E 086° 20.292' | | | Yes | 20:50:25 kg/ha. N:P:K | cultur e @ 200 g per 10 Kg seeds ▪ Soil applicati on of PSB @ 5 Kg/ ha and *Trichoderma viridi* @ 3 lit./ ha at the time of sowing incubated with FYM for 1 week. ▪ Boron applicati on at 30 DAS and 45 DA | IPM-02-14 | 12.16 | | | 2.7 | 1.73 | 56.07 |
| Basant Majhi | Lokanath | Thaila | Bhandaripokhari | | | N 21° 00.151' | E 086° 20.251' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 7.36 | | | 1.5 | 1.73 | -13.29 |
| Kailash Parida | Amulya | Thaila | Bhandaripokhari | | | N 21° 00.174' | E 086° 20.297' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 15.04 | | | 2.4 | 1.73 | 38.73 |
| Nakula Behera | Purna Chandra | Thaila | Bhandaripokhari | | | N 21° 00.154' | E 086° 20.250' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 13.44 | | | 1.4 | 1.73 | -19.08 |
| Abhiram Barik | Sanatan | Thaila | Bhandaripokhari | | | N 21° 00.167' | E 086° 20.307' | | | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 12.16 | | | 2 | 1.73 | 15.61 |
| Damodar Mallick | Banshidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.991' | E 086° 29.184' | N 20° 55.859' | E 086° 29.104' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 3.2 | 1.73 | 84.97 |
| Hrudananda Mallick | Damodar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.883' | E 086° 29.198' | N 20° 55.991' | E 086° 29.184' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 7.04 | | | 2.9 | 1.73 | 67.63 |
| Milan Mallick | Laxmidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.947' | E 086° 29.154' | N 20° 55.883' | E 086° 29.198' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12.16 | | | 1.6 | 1.73 | -7.51 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Laxmidhar Mallick | Dasaratha | Bansore, Kalyani | Dhamnagar | | | N 20° 55.947' | E 086° 29.154' | N 20° 55.883' | E 086° 29.198' | Yes | 20:40:25 kg/ha. N:P:K | S @ 1.5 g/lit. Of water<br>▪ Spray of 18:18:18 @ 1 % during 30 and 45 DAS<br>▪ Use of neem based pesticides along with need based pesticides for insect pest<br>▪ Post harvest safe storage of seeds using ITK (neem or mustard oil). | IPM-02-14 | 10.24 | | | 2.6 | 1.73 | 50.29 |
| Gangadhar Mallick | Banshidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.907' | E 086° 29.162' | N 20° 55.910' | E 086° 29.147' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12.16 | | | 1.7 | 1.73 | -1.73 |
| Parvati Mallick | W/O-Late Lambodhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.910' | E 086° 29.147' | N 20° 55.947' | E 086° 29.154' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 6.72 | | | 1.1 | 1.73 | -36.42 |
| Nrusingha Puhan | Ekadasi | Bansore, Kalyani | Dhamnagar | | | N 20° 55.774' | E 086° 29.061' | N 20° 55.689' | E 086° 29.109' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.2 | 1.73 | -30.64 |
| Sridhar Mallick | Banshidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.907' | E 086° 29.162' | N 20° 55.910' | E 086° 29.147' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 9.6 | | | 1.5 | 1.73 | -13.29 |
| Paramananda Sahoo | Muralidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.933' | E 086° 29.109' | N 20° 56.005' | E 086° 29.203' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.8 | 1.73 | 4.05 |
| Jadunath Sahoo | Udhaba | Bansore, Kalyani | Dhamnagar | | | N 20° 55.904' | E 086° 29.117' | N 20° 55.915' | E 086° 29.099' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 13.44 | | | 1.6 | 1.73 | -7.51 |
| Brajakishore Nayak | Bangali | Bansore, Kalyani | Dhamnagar | | | N 20° 55.910' | E 086° 29.147' | N 20° 55.947' | E 086° 29.154' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.32 | | | 1.6 | 1.73 | -7.51 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Shyamsundar Sahoo | Kanhu Charan | Bansore, Kalyani | Dhamnagar | | | N 20° 55.954' | E 086° 29.157' | N 20° 55.918' | E 086° 29.134' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.04 | | | 1.1 | 1.73 | -36.42 |
| Purna Chandra Das | Sukadeb | Bansore, Kalyani | Dhamnagar | | | N 20° 55.883' | E 086° 29.198' | N 20° 55.991' | E 086° 29.184' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 6.4 | | | 0.9 | 1.73 | -47.98 |
| Srikanta Mallick | Bhikari | Bansore, Kalyani | Dhamnagar | | | N 20° 55.933' | E 086° 29.109' | N 20° 56.005' | E 086° 29.203' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 2.5 | 1.73 | 44.51 |
| Saraswati Sahoo | W/O-Jadunath | Bansore, Kalyani | Dhamnagar | | | N 20° 55.915' | E 086° 29.099' | N 20° 55.933' | E 086° 29.109' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 7.04 | | | 2 | 1.73 | 15.61 |
| Madan Mohan Sahoo | Shyama Sundar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.689' | E 086° 29.109' | N 20° 55.904' | E 086° 29.117' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 10.24 | | | 1.3 | 1.73 | -24.86 |
| Gokulananda Dalai | Chemei | Bansore, Kalyani | Dhamnagar | | | N 20° 55.774' | E 086° 29.061' | N 20° 55.689' | E 086° 29.109' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.7 | 1.73 | -1.73 |
| Daitari Sahoo | Anam | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12 | | | 2 | 1.73 | 15.61 |
| Bhagirathi Dalai | Chemei | Bansore, Kalyani | Dhamnagar | | | N 20° 55.689' | E 086° 29.109' | N 20° 55.904' | E 086° 29.117' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 7.04 | | | 1 | 1.73 | -42.20 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Barun Samal | Ramesh | Bansore, Kalyani | Dhamnagar | | | N 20° 55.859' | E 086° 29.104' | N 20° 55.774' | E 086° 29.061' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.64 | | | 2.3 | 1.73 | 32.95 |
| Ajay Sahoo | Panchanana | Bansore, Kalyani | Dhamnagar | | | N 20° 55.904' | E 086° 29.117' | N 20° 55.915' | E 086° 29.099' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 9.6 | | | 1.3 | 1.73 | -24.86 |
| Purna Chandra Sahoo | Jagannath | Bansore, Kalyani | Dhamnagar | | | N 20° 55.895' | E 086° 29.182' | N 20° 55.954' | E 086° 29.157' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 8.96 | | | 2.1 | 1.73 | 21.39 |
| Nandakishore Sahoo | Gobinda | Bansore, Kalyani | Dhamnagar | | | N 20° 55.774' | E 086° 29.061' | N 20° 55.689' | E 086° 29.109' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.36 | | | 2.3 | 1.73 | 32.95 |
| Sudipta Mallick | Purusottam | Bansore, Kalyani | Dhamnagar | | | N 20° 55.907' | E 086° 29.162' | N 20° 55.910' | E 086° 29.147' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 7.68 | | | 1.8 | 1.73 | 4.05 |
| Lata Sahoo | Amulya | Bansore, Kalyani | Dhamnagar | | | N 20° 55.883' | E 086° 29.198' | N 20° 55.991' | E 086° 29.184' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 6.72 | | | 1.4 | 1.73 | -19.08 |
| Gadadhar Sahoo | Batakrushna | Bansore, Kalyani | Dhamnagar | | | N 20° 55.991' | E 086° 29.184' | N 20° 55.859' | E 086° 29.104' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.64 | | | 1 | 1.73 | -42.20 |
| Biranchi Padhi | Kanhu Charan | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12 | | | 1.4 | 1.73 | -19.08 |

| | | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Debendra Padhi | Bhabagrahi | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 9.28 | | | 1.5 | 1.73 | -13.29 |
| Surendra Samal | Banshidhar | Bansore, Kalyani | Dhamnagar | | | N 20° 55.933' | E 086° 29.109' | N 20° 56.005' | E 086° 29.203' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 1.4 | 1.73 | -19.08 |
| Damodar Sahoo | Kanhu | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 7.04 | | | 2.7 | 1.73 | 56.07 |
| Ranjit Jena | Bijay | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.2 | | | 1 | 1.73 | -42.20 |
| Pravakar Samal | Bhimsen | Bansore, Kalyani | Dhamnagar | | | N 20° 55.690' | E 086° 29.296' | N 20° 55.895' | E 086° 29.182' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 0.9 | 1.73 | -47.98 |
| Narendra Mallick | Bharat | Bansore, Kalyani | Dhamnagar | | | N 20° 55.895' | E 086° 29.182' | N 20° 55.954' | E 086° 29.157' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 4.16 | | | 1.8 | 1.73 | 4.05 |
| Babaji Sahu | Late Baraju | Uchadiha | Dhamnagar | | | N 20° 55.678' | E 086° 28.228' | N 20° 55.652' | E 086° 28.239' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 3.8 | 1.73 | 119.65 |
| | | | | | | N 20° 55.596' | E 086° 28.180' | N 20° 55.576' | E 086° 28.309' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 0 | 0 | 0.00 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Sanyasi Sahoo | Late Babaji | Uchadiha | Dhamnagar | | | N 20° 55.714' | E 086° 28.236' | N 20° 55.545' | E 086° 28.218' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.6 | 1.73 | -7.51 |
| | | | | | | N 20° 55.663' | E 086° 28.208' | N 20° 55.596' | E 086° 28.180' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 0 | 0 | 0.00 |
| Acyutananda Kuanr | Raghunath | Uchadiha | Dhamnagar | | | N 20° 55.663' | E 086° 28.208' | N 20° 55.596' | E 086° 28.180' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 3.1 | 1.73 | 79.19 |
| Bibhuti Sahoo | Sanyasi | Uchadiha | Dhamnagar | | | N 20° 55.596' | E 086° 28.180' | N 20° 55.576' | E 086° 28.309' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.44 | | | 3.8 | 1.73 | 119.65 |
| Muralidhar Behera | Late Binod | Uchadiha | Dhamnagar | | | N 20° 55.528' | E 086° 28.202' | N 20° 55.639' | E 086° 28.272' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 2.3 | 1.73 | 32.95 |
| Binod Sahoo | Late Bharat | Uchadiha | Dhamnagar | | | N 20° 55.652' | E 086° 28.239' | N 20° 55.721' | E 086° 28.238' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.04 | | | 1.2 | 1.73 | -30.64 |
| Ramesh Barik | Late Duryodhan | Uchadiha | Dhamnagar | | | N 20° 55.627' | E 086° 28.323' | N 20° 55.668' | E 086° 28.312' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 0.8 | 1.73 | -53.76 |
| Bhimasen Nayak | Late Ghanashyam | Uchadiha | Dhamnagar | | | N 20° 55.753' | E 086° 28.243' | N 20° 55.678' | E 086° 28.228' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 3.3 | 1.73 | 90.75 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | N 20° 55.714' | E 086° 28.236' | N 20° 55.545' | E 086° 28.218' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 8.32 | | | 0 | 0.00 |
| | | | | | | N 20° 55.639' | E 086° 28.338' | N 20° 55.593' | E 086° 28.132' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.2 | | | 0 | 0.00 |
| Brundaban Kuanr | Late Dhaneswar | Uchadiha | Dhamnagar | | | N 20° 55.663' | E 086° 28.208' | N 20° 55.596' | E 086° 28.180' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 3.6 | 1.73 | 108.09 |
| Bhagaban Kuanr | Late Dhaneswar | Uchadiha | Dhamnagar | | | N 20° 55.663' | E 086° 28.208' | N 20° 55.596' | E 086° 28.180' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 1.92 | | | 1 | 1.73 | -42.20 |
| Binod Behera | Late Sudhakar | Uchadiha | Dhamnagar | | | N 20° 55.522' | E 086° 28.248' | N 20° 55.559' | E 086° 28.288' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.7 | 1.73 | -1.73 |
| Rabindra Sahoo | Late Bhanu | Uchadiha | Dhamnagar | | | N 20° 55.685' | E 086° 28.280' | N 20° 55.717' | E 086° 28.270' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12 | | | 2.4 | 1.73 | 38.73 |
| Golak Ch. Nayak | Late Pahali | Uchadiha | Dhamnagar | | | N 20° 55.652' | E 086° 28.239' | N 20° 55.721' | E 086° 28.238' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 3.2 | 1.73 | 84.97 |
| Prakash Ch. Barik | Late Bhabagrahi | Uchadiha | Dhamnagar | | | N 20° 55.639' | E 086° 28.338' | N 20° 55.593' | E 086° 28.132' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.36 | | | 1.6 | 1.73 | -7.51 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Ashok Barik | Late Bhabagrahi | Uchadiha | Dhamnagar | | | N 20° 55.639' | E 086° 28.338' | N 20° 55.593' | E 086° 28.132' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.68 | | | 1.8 | 1.73 | 4.05 |
| Babaji Sahu | Late Sadhu | Uchadiha | Dhamnagar | | | N 20° 55.596' | E 086° 28.180' | N 20° 55.576' | E 086° 28.309' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 1.2 | 1.73 | -30.64 |
| Baidyanath Sahoo | Sri Babaji | Uchadiha | Dhamnagar | | | N 20° 55.593' | E 086° 28.132' | N 20° 55.663' | E 086° 28.208' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 1.1 | 1.73 | -36.42 |
| Pradip Das | Late Murali | Uchadiha | Dhamnagar | | | N 20° 55.717' | E 086° 28.270' | N 20° 55.690' | E 086° 28.290' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 3 | 1.73 | 73.41 |
| Muktikanta Mallick | Late Bharat | Uchadiha | Dhamnagar | | | N 20° 55.522' | E 086° 28.248' | N 20° 55.559' | E 086° 28.288' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 3.6 | 1.73 | 108.09 |
| | | | | | | N 20° 55.690' | E 086° 28.290' | N 20° 55.528' | E 086° 28.202' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 0 | 0 | 0.00 |
| Ram Chandra Das | Late Arjun | Uchadiha | Dhamnagar | | | N 20° 55.678' | E 086° 28.228' | N 20° 55.652' | E 086° 28.239' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 9.28 | | | 1 | 1.73 | -42.20 |
| Niranjan Kuanr | Late Dhaneswar | Uchadiha | Dhamnagar | | | N 20° 55.663' | E 086° 28.208' | N 20° 55.596' | E 086° 28.180' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 1.6 | 1.73 | -7.51 |

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| Nrusingha Mallick | Late Bhagabat | Uchadiha | Dhamnagar | | | N 20° 55.576' | E 086° 28.309' | N 20° 55.522' | E 086° 28.248' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 3.5 | 1.73 | 102.31 |
| Akhaya Sahu | Late Ananda | Uchadiha | Dhamnagar | | | N 20° 55.678' | E 086° 28.228' | N 20° 55.652' | E 086° 28.239' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 0.8 | 1.73 | -53.76 |
| Purna Chandra Sethi | Late Nishakar | Uchadiha | Dhamnagar | | | N 20° 55.596' | E 086° 28.180' | N 20° 55.576' | E 086° 28.309' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12.48 | | | 1.2 | 1.73 | -30.64 |
| Sangram Behera | Late Kailash | Uchadiha | Dhamnagar | | | N 20° 55.678' | E 086° 28.228' | N 20° 55.652' | E 086° 28.239' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.12 | | | 1 | 1.73 | -42.20 |
| Santosh Barik | Late Suryamani | Uchadiha | Dhamnagar | | | N 20° 55.576' | E 086° 28.309' | N 20° 55.522' | E 086° 28.248' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 13.44 | | | 1.8 | 1.73 | 4.05 |
| Ajay Mohanty | Late Gangadhar | Uchadiha | Dhamnagar | | | N 20° 55.593' | E 086° 28.132' | N 20° 55.663' | E 086° 28.208' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 2.5 | 1.73 | 44.51 |
| Bijay Mohanty | Late Gangadhar | Uchadiha | Dhamnagar | | | N 20° 55.593' | E 086° 28.132' | N 20° 55.663' | E 086° 28.208' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4.8 | | | 3 | 1.73 | 73.41 |
| Jaladhar Padhi | Late Golekh | Uchadiha | Dhamnagar | | | N 20° 55.668' | E 086° 28.312' | N 20° 55.685' | E 086° 28.280' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.64 | | | 3.3 | 1.73 | 90.75 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Nilamani Nayak | Late Narayan | Uchadiha | Dhamnagar | | | N 20° 55.678' | E 086° 28.228' | N 20° 55.652' | E 086° 28.239' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 1.4 | 1.73 | -19.08 |
| Chakradhar Pallai | Late Birabhadra | Uchadiha | Dhamnagar | | | N 20° 55.576' | E 086° 28.309' | N 20° 55.522' | E 086° 28.248' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.12 | | | 1.2 | 1.73 | -30.64 |
| Santosh sahoo | Sri Babaji | Uchadiha | Dhamnagar | | | N 20° 55.575' | E 086° 28.175' | N 20° 55.639' | E 086° 28.338' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 16 | | | 0.8 | 1.73 | -53.76 |
| Jitendra Das | Late Dibakar | Uchadiha | Dhamnagar | | | N 20° 55.717' | E 086° 28.270' | N 20° 55.690' | E 086° 28.290' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 1.9 | 1.73 | 9.83 |
| Rebati Sethi | W/O-Late Kailash | Uchadiha | Dhamnagar | | | N 20° 55.581' | E 086° 28.253' | N 20° 55.714' | E 086° 28.236' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.32 | | | 1 | 1.73 | -42.20 |
| Shaktiveda Mallick | Late Ganesh | Uchadiha | Dhamnagar | | | N 20° 55.545' | E 086° 28.218' | N 20° 55.575' | E 086° 28.175' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 1.9 | 1.73 | 9.83 |
| Ranjan Ku Mohanty | Sri Dhaneswar | Uchadiha | Dhamnagar | | | N 20° 55.581' | E 086° 28.253' | N 20° 55.714' | E 086° 28.236' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 2.3 | 1.73 | 32.95 |
| Jitendra Mallick | Sri Biswanath | Uchadiha | Dhamnagar | | | N 20° 55.596' | E 086° 28.180' | N 20° 55.576' | E 086° 28.309' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 9.28 | | | 1.3 | 1.73 | -24.86 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Rabindra Behera | Late Kailash | Uchadiha | Dhamnagar | | | N 20° 55.717' | E 086° 28.270' | N 20° 55.690' | E 086° 28.290' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.6 | 1.73 | -7.51 |
| Akhaya Ku Jena | Sri Dhatali | Uchadiha | Dhamnagar | | | N 20° 55.717' | E 086° 28.270' | N 20° 55.690' | E 086° 28.290' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 4 | | | 1 | 1.73 | -42.20 |
| Banamali Sahoo | Late Baraju | Uchadiha | Dhamnagar | | | N 20° 55.685' | E 086° 28.280' | N 20° 55.717' | E 086° 28.270' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 2.5 | 1.73 | 44.51 |
| Chakradhar Sahoo | Late Krushna | Uchadiha | Dhamnagar | | | N 20° 55.652' | E 086° 28.239' | N 20° 55.721' | E 086° 28.238' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 1.5 | 1.73 | -13.29 |
| Ratnakar Sahoo | Sri Ranjan | Uchadiha | Dhamnagar | | | N 20° 55.627' | E 086° 28.323' | N 20° 55.668' | E 086° 28.312' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 2 | 1.73 | 15.61 |
| Sambit Nayak | Late Sarat | Uchadiha | Dhamnagar | | | N 20° 55.685' | E 086° 28.280' | N 20° 55.717' | E 086° 28.270' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 10.56 | | | 1.4 | 1.73 | -19.08 |
| Chandramani Sahoo | Sri Ananda | Uchadiha | Dhamnagar | | | N 20° 55.575' | E 086° 28.175' | N 20° 55.639' | E 086° 28.338' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 0.9 | 1.73 | -47.98 |
| Rabindra Mallick | Late Chaitanya | Uchadiha | Dhamnagar | | | N 20° 55.575' | E 086° 28.175' | N 20° 55.639' | E 086° 28.338' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12.16 | | | 2 | 1.73 | 15.61 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Susant Ku Das | Late Parikhita | Uchadiha | Dhamnagar | | | N 20° 55.717' | E 086° 28.270' | N 20° 55.690' | E 086° 28.290' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 1.92 | | | 2.9 | 1.73 | 67.63 |
| Ketaki Sahoo | W/O Late Sudhakar | Uchadiha | Dhamnagar | | | N 20° 55.652' | E 086° 28.239' | N 20° 55.721' | E 086° 28.238' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 7.68 | | | 1.3 | 1.73 | -24.86 |
| Kailash Barik | Late Dhuri | Uchadiha | Dhamnagar | | | N 20° 55.559' | E 086° 28.288' | N 20° 55.627' | E 086° 28.323' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 2.2 | 1.73 | 27.17 |
| Bidyadhar Sahoo | Sri Sanyasi | Uchadiha | Dhamnagar | | | N 20° 55.685' | E 086° 28.280' | N 20° 55.717' | E 086° 28.270' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 7.04 | | | 1 | 1.73 | -42.20 |
| Kalandi Mohanty | Late Gangadhar | Uchadiha | Dhamnagar | | | N 20° 55.593' | E 086° 28.132' | N 20° 55.663' | E 086° 28.208' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.32 | | | 0.9 | 1.73 | -47.98 |
| Mina Kumari Nayak | W/O-Sri Bhimasen | Uchadiha | Dhamnagar | | | N 20° 55.668' | E 086° 28.312' | N 20° 55.685' | E 086° 28.280' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 3.4 | 1.73 | 96.53 |
| Ashalata Mallick | W/O-Rabindra | Uchadiha | Dhamnagar | | | N 20° 55.721' | E 086° 28.238' | N 20° 55.581' | E 086° 28.253' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.04 | | | 2.6 | 1.73 | 50.29 |
| Manoj Mohanty | Sri Madan mohan | Uchadiha | Dhamnagar | | | N 20° 55.685' | E 086° 28.280' | N 20° 55.717' | E 086° 28.270' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 5.76 | | | 3.4 | 1.73 | 96.53 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Hemanta Khillar | Late Kasinath | Uchadiha | Dhamnagar | | | N 20° 55.528' | E 086° 28.202' | N 20° 55.639' | E 086° 28.272' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8.32 | | | 2.8 | 1.73 | 61.85 |
| Rabindra Das | Late Pandab | Uchadiha | Dhamnagar | | | N 20° 55.721' | E 086° 28.238' | N 20° 55.581' | E 086° 28.253' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 2.2 | 1.73 | 27.17 |
| Sebati Samal | W/O-Sanatan | Uchadiha | Dhamnagar | | | N 20° 55.721' | E 086° 28.238' | N 20° 55.581' | E 086° 28.253' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 12.16 | | | 1.4 | 1.73 | -19.08 |
| Dhirendra Samal | Late Laxmidhar | Uchadiha | Dhamnagar | | | N 20° 55.545' | E 086° 28.218' | N 20° 55.575' | E 086° 28.175' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 15.36 | | | 2.8 | 1.73 | 61.85 |
| Purna Chandra Samal | Late Chemei | Uchadiha | Dhamnagar | | | N 20° 55.714' | E 086° 28.236' | N 20° 55.545' | E 086° 28.218' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 8 | | | 1.4 | 1.73 | -19.08 |
| Pravakar Jena | Late Ganesh | Uchadiha | Dhamnagar | | | N 20° 55.545' | E 086° 28.218' | N 20° 55.575' | E 086° 28.175' | Yes | 20:50:25 kg/ha. N:P:K | | IPM-02-14 | 10.88 | | | 1 | 1.73 | -42.20 |
| Abhimanyu Kuanr | Late Dhaneswar | Uchadiha | Dhamnagar | | | N 20° 55.753' | E 086° 28.243' | N 20° 55.678' | E 086° 28.228' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 15.04 | | | 4 | 1.73 | 131.21 |
| Udaykar Nayak | Late Ghanashyam | Uchadiha | Dhamnagar | | | N 20° 55.528' | E 086° 28.202' | N 20° 55.639' | E 086° 28.272' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 11.84 | | | 2.8 | 1.73 | 61.85 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Manoj Bhuyan | Late Lal mohan | Uchadiha | Dhamnagar | | | N 20° 55.690' | E 086° 28.290' | N 20° 55.528' | E 086° 28.202' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 2.1 | 1.73 | 21.39 |
| Basudev Jena | Late Bhagaban | Uchadiha | Dhamnagar | | | N 20° 55.528' | E 086° 28.202' | N 20° 55.639' | E 086° 28.272' | Yes | 20:40:25 kg/ha. N:P:K | | IPM-02-14 | 3.84 | | | 1 | 1.73 | -42.20 |

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

## A) 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 | | | | | | | | | | | | | |

| 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 |
| 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 | | | | | | | | | | | | | |

| 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 |
| **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 | | | | | | | | | | | | | |

| 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 |
| 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 | 1 | 20 | - | - | - | - | - | - | - | - | 20 | - | 20 |
| Integrated Farming | 1 | 18 | - | 18 | 1 | - | 1 | 1 | - | 1 | 20 | - | 20 |
| Planting material production | | | | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | | | | |

| 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 |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| Nursery Management of Horticulture crops | 1 | 16 | | 16 | 4 | | 4 | | | | 20 | | 20 |
| Training and pruning of orchards | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | | |
| Sheep and goat rearing | 1 | 15 | | 15 | 5 | | 5 | | | | 20 | | 20 |
| Quail farming | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | 2 | 9 | 16 | 25 | 10 | 4 | 14 | 1 | | 1 | 20 | 20 | 40 |
| Ornamental fisheries | | | | | | | | | | | | | |
| Enterprise development | 1 | 9 | 5 | 14 | 1 | | 1 | | | | 10 | 5 | 15 |
| 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 | 1 | 13 | | 13 | 7 | | 7 | | | | 20 | | 20 |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | 1 | | 14 | 14 | | 5 | 5 | | 1 | 1 | | 20 | 20 |
| TOTAL | 7 | | | | | | | | | | | | 140 |

## 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 | 2 | 18 | 20 | - | - | - | - | 2 | - | - | 20 | 20 | 40 |

| 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 |
| 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 | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| Livestock feed and fodder production | | | | | | | | | | | | | |
| Household food security | 1 | 10 | 7 | 17 | 2 | 1 | 3 | | | | 12 | 8 | 20 |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | 1 | 3 | 12 | 15 | 3 | 2 | 5 | | | | 6 | 14 | 20 |
| Production and use of organic inputs | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| TOTAL | 10 | | | | | | | | | | | | 200 |

## 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 | 2 | 55 | | 55 | 5 | | 5 | | | | 60 | | 60 |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | | | | |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Others, (cultivation of crops ) | | | | | | | | | | | | | |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | 3 | 52 | 23 | 75 | 9 | 5 | 14 | 1 | | 1 | 62 | 28 | 90 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | | | | | | | | | | | | | |
| Yield increment | 2 | 40 | 18 | 2 | | | | | | | 42 | 18 | 60 |
| Production of low volume and high value crops | 2 | 55 | | 55 | 5 | | 5 | | | | 60 | | 60 |
| Off-season vegetables | 2 | 45 | 15 | | | | | | | | 45 | 15 | 60 |
| Nursery raising | 2 | 60 | | 60 | | | | | | | 60 | | 60 |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | 25 | 5 | | | | | | | | 25 | 5 | 30 |
| Others, if any (Cultivation of Vegetable) | | | | | | | | | | | | | |

| 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 |
| 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 | 1 | 16 | 17 | 33 | 1 | 1 | 2 | - | - | - | 17 | 18 | 35 |
| Production and use of organic inputs | 4 | 102 | 9 | 111 | 9 | - | 9 | - | - | - | 111 | 9 | 120 |
| Management of Problematic soils | | | | | | | | | | | | | |
| Micro nutrient deficiency in crops | 1 | 23 | - | 23 | 6 | - | 6 | 1 | - | 1 | 30 | - | 30 |
| Nutrient Use Efficiency | | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |
| Dairy Management | 3 | 70 | 6 | 76 | 11 | 2 | 13 | 1 | | 1 | 82 | 8 | 90 |
| Poultry Management | 1 | 23 | | 23 | | 7 | 7 | | | | 23 | 7 | 30 |
| Piggery Management | | | | | | | | | | | | | |

| 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 |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | 1 | 30 | | 30 | | | | | | | 30 | | 30 |
| Feed management | 3 | 72 | 2 | 74 | 14 | 2 | 16 | | | | 86 | 4 | 90 |
| 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 | 3 | 30 | 54 | 84 | 4 | 1 | 5 | 1 | | | 35 | 55 | 90 |
| Value addition | 4 | | 70 | 70 | | 50 | 50 | | | | | 120 | 120 |
| Income generation activities for empowerment of rural Women | | | | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | | | | |
| Rural Crafts | 1 | | 3 | 3 | | 27 | 27 | | | | | 30 | 30 |
| 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 | 1 | 21 | | 21 | 14 | | 14 | | | | 35 | | 35 |
| Carp breeding and hatchery management | | | | | | | | | | | | | |
| Carp fry and fingerling rearing | 2 | 62 | | 62 | 8 | | 8 | | | | 70 | | 70 |
| Composite fish culture & fish disease | 6 | 101 | 9 | 110 | 75 | 25 | 100 | | | | 176 | 34 | 210 |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | 1 | 30 | | 30 | 5 | | 5 | | | | 30 | 5 | 35 |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | | | | |

| 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 |
| 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** | | | | | | | | | | | | | |

## 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 | | | | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | | | | |
| Integrated farming | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | | | | |

| 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 |
| 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 | | | | | | | | | | | | | |
| 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 | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |

## 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 | | | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | | |

| 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 |
| Capacity building for ICT application | | | | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |

## 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 | 2 | 55 | | 55 | 5 | | 5 | | | | 60 | | 60 |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | | | | |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Others, (cultivation of crops ) | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | 3 | 52 | 23 | 75 | 9 | 5 | 14 | 1 | | 1 | 62 | 28 | 90 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | 2 | 40 | 18 | 58 | 2 | | 2 | | | | 42 | 18 | 60 |
| Yield increment | 2 | 55 | | 55 | 5 | | 5 | | | | 60 | | 60 |
| Production of low volume and high value crops | 2 | 45 | 15 | 60 | | | | | | | 45 | 15 | 60 |
| Off-season vegetables | 2 | 60 | | 60 | | | | | | | 60 | | 60 |
| Nursery raising | | | | | | | | | | | | | |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |
| Export potential vegetables | 1 | 25 | 5 | 30 | | | | | | | 25 | 5 | 30 |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | | |

| 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 |
| Others, if any (Cultivation of Vegetable) | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **b) Fruits** | | | | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | | | | |
| Cultivation of Fruit | | | | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | | |
| Others, if any(INM) | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **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 | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **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 | 1 | 16 | 17 | 33 | 1 | 1 | 2 | - | - | - | 17 | 18 | 35 |
| Soil and Water Conservation | 4 | 102 | 9 | 111 | 9 | - | 9 | - | - | - | 111 | 9 | 120 |
| Integrated Nutrient Management | 1 | 23 | - | 23 | 6 | - | 6 | 1 | - | 1 | 30 | - | 30 |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | | | | |

| 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 |
| Micro nutrient deficiency in crops | | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |
| Dairy Management | 3 | 70 | 6 | 76 | 11 | 2 | 13 | 1 | | 1 | 82 | 8 | 90 |
| Poultry Management | 1 | 23 | | 23 | | 7 | 7 | | | | 23 | 7 | 30 |
| Piggery Management | | | | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | 1 | 30 | | 30 | | | | | | | 30 | | 30 |
| Feed management | 3 | 72 | 2 | 74 | 14 | 2 | 16 | | | | 86 | 4 | 90 |
| 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 | | | | | | | | | | | | | |
| 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 | 3 | 30 | 54 | 84 | 4 | 1 | 5 | 1 | | 1 | 35 | 55 | 90 |
| Value addition | 4 | | 70 | 70 | | 50 | 50 | | | | | 120 | 120 |
| Income generation activities for empowerment of rural Women | | | | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | | | | |
| Rural Crafts | 1 | | 3 | 3 | | 27 | 27 | | | | | 30 | 30 |
| Capacity building | | | | | | | | | | | | | |
| Women and child care | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **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 | | | | | | | | | | | | | |
| Integrated Disease Management | | | | | | | | | | | | | |
| Bio-control of pests and diseases | | | | | | | | | | | | | |

| 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 |
| Production of bio control agents and bio pesticides | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **VIII. Fisheries** | | | | | | | | | | | | | |
| Integrated fish farming | 1 | 21 | | 21 | 14 | | 14 | | | | 35 | | 35 |
| Carp breeding and hatchery management | | | | | | | | | | | | | |
| Carp fry and fingerling rearing | 2 | 62 | | 62 | 8 | | 8 | | | | 70 | | 70 |
| Composite fish culture & fish disease | 6 | 101 | 9 | 110 | 75 | 25 | 100 | | | | 176 | 34 | 210 |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | 1 | 30 | | 30 | 5 | | 5 | | | | 35 | 0 | 35 |
| 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 | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |

| 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 |
| Integrated Farming Systems | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **XII. Others (Pl. Specify)** | | | | | | | | | | | | | |
| **TOTAL** | 46 | 912 | 231 | 1143 | 168 | 120 | 288 | 4 | 0 | 4 | 1084 | 351 | 1435 |

**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 | | | | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | | | | |
| Integrated farming | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Production of organic inputs | 1 | 20 | - | - | - | - | - | - | - | - | 20 | - | 20 |
| Planting material production | 1 | 18 | - | 18 | 1 | - | 1 | 1 | - | 1 | 20 | - | 20 |
| 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 | 1 | 16 | | 16 | 4 | | 4 | | | | 20 | | 20 |
| Value addition | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | | |
| Quail farming | 1 | 15 | | 15 | 5 | | 5 | | | | 20 | | 20 |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | | | | | | | | | | | | | |
| Ornamental fisheries | 2 | 9 | 16 | 25 | 10 | 4 | 14 | 1 | | 1 | 20 | 20 | 40 |
| Para vets | | | | | | | | | | | | | |
| Para extension workers | 1 | 9 | 5 | 14 | 1 | | 1 | | | | 10 | 5 | 15 |
| Composite fish culture | | | | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | | | | |

| 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 |
| Fish harvest and processing technology | | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | 1 | 13 | | 13 | 7 | | 7 | | | | 20 | | 20 |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Others if any (ICT application in agriculture) | 1 | | 14 | 14 | | 5 | 5 | | 1 | 1 | | 20 | 20 |
| TOTAL | 9 | 100 | 35 | 115 | 28 | 9 | 37 | 2 | 1 | 3 | 130 | 45 | 175 |

## 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 | 2 | 18 | 20 | - | - | - | - | 2 | - | - | 20 | 20 | 40 |
| 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 | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| Livestock feed and fodder production | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Household food security | 1 | 10 | 7 | 17 | 2 | 1 | 3 | | | | 12 | 8 | 20 |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | 1 | 3 | 12 | 15 | 3 | 2 | 5 | | | | 6 | 14 | 20 |
| Production and use of organic inputs | 2 | 20 | 20 | 40 | | | | | | | 20 | 20 | 40 |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | |
| Others if any | | | | | | | | | | | | | |
| TOTAL | 10 | 91 | 99 | 152 | 5 | 3 | 8 | 2 | 0 | 0 | 98 | 102 | 200 |

*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 |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |
| | | | | | | | | | | |

## *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 | |
| | | | | | | | | | | |
| | | | | | | | | | | |

*training title should specify the major technology /skill transferred

## I) Sponsored Training Programmes

| Sl. No | Title | Thematic area | Month | Duration (days) | Client PF/RY/EF | No. of courses | No. of Participants | | | | | | | | | | Sponsoring Agency |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | Male | | | Female | | | Total | | | | |
| | | | | | | | Others | SC | ST | Others | SC | ST | Others | SC | ST | Total | |
| 1. | | | | | | | | | | | | | | | | | |
| 2. | | | | | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3. | | | | | | | | | | | | | | | | | |
| 4 | | | | | | | | | | | | | | | | | |

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 | 02 | 68 | 27 | 95 | 25 | 4 | 1 | 5 | 72 | 28 | 100 |
| KisanMela | 03 | 937 | 452 | 1389 | 20 | 43 | 18 | 61 | 980 | 470 | 1450 |
| KisanGhosthi | 02 | 72 | 16 | 88 | 14 | 7 | 5 | 12 | 79 | 21 | 100 |
| Exhibition | 02 | 349 | 120 | 469 | 25 | 19 | 12 | 31 | 368 | 132 | 500 |
| Film Show | 27 | 333 | 447 | 784 | 21 | 18 | 4 | 22 | 355 | 451 | 806 |
| Method Demonstrations | 01 | 32 | 2 | 34 | 8 | 2 | 4 | 6 | 36 | 4 | 40 |
| Farmers Seminar | | | | | | | | | | | |
| Workshop | | | | | | | | | | | |
| Group meetings | 8 | 97 | 23 | 320 | 12 | - | - | - | 97 | 223 | 320 |
| Lectures delivered as resource persons | 12 | 361 | 179 | 540 | 10 | 20 | 9 | 29 | 381 | 188 | 569 |
| Advisory Services | 35 | - | - | - | - | - | - | - | - | - | 46000 |
| Scientific visit to farmers field | 188 | 715 | 351 | 1066 | 11 | 163 | 59 | 222 | 878 | 410 | 1288 |
| Farmers visit to KVK | 1456 | 1067 | 389 | 1456 | 18 | - | - | - | 1067 | 389 | 1456 |
| Diagnostic visits | 88 | 68 | 29 | 97 | 5 | - | - | - | 68 | 29 | 97 |
| Exposure visits | | | | | | | | | | | |
| Ex-trainees Sammelan | 03 | 71 | 29 | 90 | 7 | - | - | - | 71 | 29 | 90 |
| Soil health Camp | | | | | | | | | | | |
| Animal Health Camp | 03 | 88 | 33 | 121 | 26 | 6 | - | 6 | 94 | 33 | 121 |
| Agri mobile clinic | | | | | | | | | | | |

| | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| Soil test campaigns | 2 | 34 | 6 | 40 | 4 | 3 | - | 3 | 37 | 6 | 40 |
| Farm Science Club Conveners meet | | | | | | | | | | | |
| Self Help Group Conveners meetings | | | | | | | | | | | |
| MahilaMandals Conveners meetings | | | | | | | | | | | |
| Agricultural Education Day | 1 | 56 | 44 | 80 | 5 | - | - | - | 56 | 44 | 80 |
| Sankalp Se Siddhi | 1 | 281 | 54 | 335 | 11 | 9 | 8 | 17 | 290 | 62 | 352 |
| Swatchta Hi Sewa | 3 | 40 | 20 | 60 | 8 | - | - | - | 40 | 20 | 60 |
| MahilaKisan Divas | 1 | - | 40 | 40 | 5 | 2 | 2 | 4 | 2 | 42 | 40 |
| World Food Day | 1 | 38 | 12 | 50 | 4 | - | - | - | 38 | 12 | 50 |
| Women in Agriculture Day | 1 | - | 40 | 40 | 5 | - | - | - | - | 40 | 40 |
| Any Other (Specify) | | | | | | | | | | | |
| Total | 1840 | | | | | | | | | | 53609 |

11.. Other Extension activities

| Nature of Extension Activity | No. of activities |
|---|---|
| Newspaper coverage | 32 |
| Radio talks | 15 |
| TV talks | 07 |
| Popular articles | 06 |
| Extension Literature | 02 |
| Other, if any | |

11.15. **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 |
|---|---|---|---|---|---|
| Greengram | IPM 2-14 | 6.32 | 71036.8 | 23 | 6 |
| Blackgram | PU-32 | 10.6 | 108650 | 117 | 9 |
| Total | | | | | |

***KVK farm***

| Crop | Variety | Quantity of seed (q) | Value (Rs) | Number of farmers to whom seed provided |
|---|---|---|---|---|
| Paddy | Swarna Sub-I | 141.8 | 363008 | Stock in hand |
| Paddy | MTU-1075 | 72 | 180720 | Stock in hand |
| Grand Total | | 213.8 | 543728 | |

**Production of planting materials by the KVKs**

| Crop | Variety | No. of planting materials | Value (Rs) | Number of farmers to whom planting material provided |
|---|---|---|---|---|
| **Vegetable seedlings** | | | | |
| Cauliflower | | | | |
| Cabbage | | | | |
| Tomato | | | | |
| Brinjal | Improved | 2000 | 240 | 10 |
| Chilli | Improved | 2000 | 240 | 10 |
| 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 | | 1420 | 14200 | |
| Others, pl.specify | | | | |
| Total | | 4000 | 480 | 20 |

**Production of Bio-Products**

| Name of product | Quantity Kg | Value (Rs.) | No. of Farmers benefitted |
|---|---|---|---|
| Bio-fertilizers (Vermicompost) | 31.6q | 15800 | 22 |
| Bio-pesticide | | | |
| Bio-fungicide | | | |
| Bio-agents | | | |
| Others, please specify (Vermiculture) | 5 | 2500 | 8 |

| | | | |
|---|---|---|---|
| Total | | 18300 | 30 |

Production of livestock materials

| Particulars of Live stock | Name of the breed | Number | Value (Rs.) | No. of Farmers benefitted |
|---|---|---|---|---|
| Dairy animals | | | | |
| Cows | | | | |
| Buffaloes | | | | |
| Calves | | | | |
| Others (Pl. specify) | | | | |
| Small ruminants | | | | |
| Sheep | | | | |
| Goat | | | | |
| Other, please specify | | | | |
| Poultry | | | | |
| Broilers | | | | |
| Layers | | | | |
| Duals (broiler and layer) | Rainbow rooster | 330 | 15510 | 17 |
| Japanese Quail | | | | |
| Turkey | | | | |
| Emu | | | | |
| Ducks | | | | |
| Others (Pl. specify) | | | | |
| Piggery | | | | |
| Piglet | | | | |
| Others (Pl. specify) | | | | |
| Fisheries | | | | |
| Indian carp | | | | |
| Exotic carp | | | | |
| Mixed carp | | | | |
| Fish fingerlings | AFL/SFL/SYL | 39170 | 36260 | 28 |
| Spawn | Mixed Carp Spawn | 35 Lakhs | 21500 | 11 |
| Others (Pl. specify) Color Fishes | Live bearer | 2800 | 7345 | 42 |
| 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 : | Dr. Aurovinda Das |
| Address : | Krishi Vigyan Kendra, Bhadrak<br>Ranital, Odisha-756111 |
| e-mail : | kvkbhadrak.ouat@gmail.com |
| Phone No. :<br>Mobile : | 06784-265825<br>08895417939 |

ii) Quality Seed Production Reports

| Season | Crop | Variety | Production (q) |
|---|---|---|---|

| | | | Target | Area sown (ha) | Production | Category of Seed (F/S, C/S) |
|---|---|---|---|---|---|---|
| Kharif 2017 | | | | | | |
| | | | | | | |
| Rabi 2017-18 | Green gram | IPM-2-14 | 256 | 36 | Harvesting is continuing | C/S |
| | Black gram | PU-31 | 100 | 57 | | C/S |
| Summer/Spring 2018 | | | | | | |

iii) Financial Progress

| Fund received (2016-17 and 2017-18) | Expenditure (Rs. In lakhs) | | Unspent balance (Rs. In lakhs) | Remarks |
|---|---|---|---|---|
| | Infrastructure | Revolving fund | | |
| 2016-17 (85.02 Lakh) | 5.158 | 35.0 | 29.84 | |
| 2017-18 | - | 15.54 | 14.29 | No fund received |

iv) Infrastructure Development

| Item | Progress |
|---|---|
| Seed processing unit | Installation of machinery is completed and electrification is process is going on |
| Seed storage structure | |

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

| Item | Title | Author's name | Number | Circulation |
|---|---|---|---|---|
| Research paper | | | | |
| Seminar/conference/ symposia papers | | | | |
| Books | | | | |
| Bulletins | | | | |
| News letter | | | | |
| Popular Articles | | | | |
| Book Chapter | | | | |
| Extension Pamphlets/ literature | Kharadina Muga Biri Chaasa | Dr. A.Das and Dr. U.S.Nayak | 500 | 500 |
| | Bigyan Sammata Pranaali re Go-Paalana | Dr. T.K.Palai | 500 | 500 |

| | | | | |
|---|---|---|---|---|
| Technical reports | SAC Report, RE Reports, Project reports | KVK, Bhadrak | 100 | 100 |
| Electronic Publication (CD/DVD etc) | Zero tillage in mustard | A.Das | 7 | 6 |
| | Bheema Super Onion | B.Sahoo | 6 | 5 |
| | Fish Diseases and MGMT | A.P.Nayak | 8 | 7 |
| | Summer management in Cow | T.K.Palai | 7 | 6 |
| | Bed preparation for mushroom cultivation | S.Pattanaik | 7 | 6 |
| | Nutritional Garden | G.Shial | 5 | 4 |
| 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. | Training | Principles and practices of management | Dr. A. Das, Sr. Scientist & Head | 5-9 Jan 2018 | OUAT |
| 2 | Training | Awareness and training on Geo spatial technologies | Dr A Das, Sr Scientist & Head | 10-14 Oct. 2017 | OUAT |
| 3 | Winter School/Short course | Cutting edge technology on horticultural crops | Dr. B. Sahoo, Scientist (Horticulture) | 02.11.17 (3days) | DEE, OUAT |
| 4 | Refresher course cum Workshop | Fishery Science | Sri A. P. Nayak, Scientist (Fishery Sc.) | 3.2.18 (1day) | ATARI, KolKata |
| 5 | Refresher course cum Workshop | Soil Science | Dr. D. Dash, Scientist (Soil Sc) | 30.1.18 (1day) | ATARI, KolKata |
| 6 | Refresher course cum Workshop | Horticulture | Dr. B. Sahoo, Scientist (Horticulture) | 1.2.18 (1day) | ATARI, KolKata |
| 7 | Refresher course cum Workshop | Animal Science | Dr. T. K. Palai, Scientist (Animal Sc.) | 3.2.18 (1day) | ATARI, KolKata |
| 8 | National Seminar | Agriculture for Nutrition | Dr. S. Pattanaik, Scientist (Home Sc.) | 23-24.6.17 | ICAR-Shilong |
| 9 | Refresher course cum Workshop | Home Science | Dr. S. Pattanaik, Scientist (Home Sc.) | 6.2.18 (1day) | ATARI, KolKata |
| 10 | Review cum Workshop | Cluster FLD | Dr. D. Dash, Scientist (Soil Sc) | 24.2.18 (1day) | ATARI, KolKata |
| 11 | National Seminar cum Workship | Increasing livelihood of farmers through agriculture and aquaculture | Dr. T. K. Palai, Scientist (Animal Sc.) | 5-7.1.18 (3days) | ICAR-CIFA, Bhubaneswar |

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

## Case I

| | |
|---|---|
| Name of farmer | Aziz Saha |

| | |
|---|---|
| Address | S/O- Tajmool Saha, At- Kazibazar, PO-Bhadrak, Block- Bhadrak |
| Contact details (Phone, mobile, email Id) | 9238579001 |
| Landholding (in ha.) | Land less (lease land 2 acre) |
| Name and description of the farm/ enterprise | Goatery<br>Fodder, Azolla Cultivation<br>Hydroponics |
| Economic impact | Annual income to Rs 2.5 lakh |
| Social impact | -He helped farmers of neighboring village in preventing inbreeding through buck exchange<br>-His farm is identified by KVK as visiting place for other farmers an visitors<br>-He is uploading technological video in youtube for benefit of viewers<br>-Used to counsel the beginners through mobile |
| Environmental impact | -Goat droppings used as fertilizer in fodder cultivation and as goats are stall fed with a paddock there is no loss of foliage or any crops |
| Horizontal/ Vertical spread | -Around 40 farmers of the district motivated for goatery by seeing the farm<br>Many farmers adopted the technologies like fodder production and hydroponics by following the technological videos uploaded by him on youtube |

**Case II**

| | |
|---|---|
| Name of farmer | Pabitra Uchhayat |
| Address | S/O- Upendra Uchhayat, At- Kshirasahi, PO-Attu, Block- Bhadrak |
| Contact details (Phone, mobile, email Id) | 9238917446 |
| Landholding (in ha.) | |
| Name and description of the farm/ enterprise | Integrated farming – Rice-mustard-greengram, Rice-vegetable, oilpalm, dairy, farm machinery for custom hiring<br>HYV & hybrid rice, mechanized line transplanting, Zero till sowing of mustard, line planting of greengram/blackgram using seed-cum-ferti drill, broad bed and furrow method of pointed gourd cultivation during rainy season, INM & IPM |
| Economic impact | Annual income to Rs 4.0 lakh |
| Social impact | -Service provider for mechanized line transplanting, master trainer for zero till and line planting of mustard, green/blackgram, sunflower, weeding |

| | |
|---|---|
| | -provides pointed gourd planting materials to farmers of Bhadrak and its nearby district |
| Environmental impact | |
| Horizontal/ Vertical spread | He has 76opularized KVK promoted technologies like zero till, mechanical line planting, supplying planting materials of pointed gourd to other farmers, acting as change agent |

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

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

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 | Vegetable | 4 | 1010q | 23 | No |

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

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

| Sl. No | Name of the Equipment | Qty. |
|---|---|---|
| 1 | Spectrophotometer | 1 |
| 2 | Nitrogen analyzer | 1 |
| 3 | pH meter | 1 |
| 4 | EC meter | 1 |
| 5 | Flame photometer | 1 |
| 6 | Physical Balance | 1 |
| 7 | Digital balance | 1 |
| 8 | Mechanical shaker | 1 |
| 9 | MRIDAPARIKSHAK | 2 |

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 | | | |
| 341 | - | 341 | 562 | 28 | 1705 |

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 | Celebration of World Soil Day | 297 | 8 | Sri Dwijabara Rout<br>President ZillaParisad<br><br>Dr. S. S. Mahapatra,<br>Assoc. Director of Research, RRTTS<br><br>Sj. Tankadhar, Behera,<br>Deputy Director of Agriculture, Bhadrak<br><br>Sj. Bimal Kumar Ray,<br>Representative MLA Basudevpur<br><br>Sj. Dushasanjena<br>Executive Engineer, OLIC Division, Bhadrak<br><br>Dr.Dilip Kumar Das,<br>OIC, AICRP (R & M) | 100 | 250 |

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 |
|---|---|---|---|
| F/FW Training programes | 2 | 65 | Post stocking management in fish tanks<br>Value addition in tomato |

3.14. RAWE/ FETprogramme – is KVK involved? (Y/N)

| No of student trained | No of days stayed |
|---|---|
| 22 | 65 |

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

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

| Date | Name of the person | Purpose of visit |
|---|---|---|
| 11.11.2017 | Dr. S. S. Singh, Director ATARI, Kolkata | To review the activities of KVK |
| 05.12.17 | Sri Dwijabar Rout, President, Zilla parishad | To attend World soil Day |

| | | |
|---|---|---|
| 13.12.17 | Dr. V. P. Chahal, ADG, Ag. Extension, ICAR | To review the activities of KVK |
| 15.02.18 | Dr. Virendra Singh, Director DRD, Patna | Monitoring Seed Hub and CFLD |
| 21.02.18 | Dr. Virendra Singh Pahil, National Consultant, Govt of India | Monitoring CFLD, Seed Hub |
| 16.09.2017 | Sj. Gyana Das, Collector cum Dist Magistrate | Visit to KVK |
| 28.02.2018 | Sj. Gyana Das, Collector cum Dist Magistrate | To attend SAC meeting |

## 4. IMPACT

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

| Name of specific technology/skill transferred | No. of participants | % of adoption | Change in income (Rs.) | |
|---|---|---|---|---|
| | | | Before (Rs./Unit) | After (Rs./Unit) |
| | | | | |
| | | | | |
| | | | | |

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 |
| Swarna sub 1 for flood affected areas | In the district about 4000 ha is under this variety |
| Intercropping of minor and medium carps in 3 species IMC culture | 32 villages involving about 142 farmers |
| Multiple cropping pattern in Pisciculture | Technology spread to 331 villages covering 1623 farmers in Bhadrak |
| Biological control of aquatic weeds | Technology is expanded to 214 villages with 448 farmers |

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 | Technology | Output | Impact and spread of the technology |
|---|---|---|---|
| 1 | Mechanized Direct seeded rice | Decrease in cost of cultivation by Rs.4500 per ha | Along with farmers of KVK villages other farmers are also adopting this technology |
| 2 | Nutrient management strategy in Rice-black gram paira cropping | Increase in yield up to 50% with nutrient management | Farmers of KVK villages are adopting this technology |

| | | | |
|---|---|---|---|
| 3 | Swarna sub 1 for flood affected areas | In flood years the yield advantage is 35% over the farmers practice | Adopted villages of KVK and other 10 villages |
| 4 | Off season paddy straw mushroom cultivation in winter under low cost poly house | Mushroom production per bed 800 g as compared to 450 g in farmers' practice. | The technology has been spreaded to 6 villages of the district |
| 5 | Fodder and Azolla cultivation and feeding to milch cows | Feed cost is minimized upto Rs 40/day/cow | KVK villages adopted the said technology and has been spread to other 7 villages of the district |
| 6 | Vermicomposting | Yield increase upto 40% | Well adopted by KVK villages and also spread to 4 more villages of the district |
| 7 | Jayanti Rohu cultivation in ponds | Yield increase upto 20% | Adopted in 7 villages of the district during the year |

4.4. Details of innovations recorded by the KVK

| | |
|---|---|
| Thematic area | |
| Name of the Innovation | |
| Details of Innovator | |
| Back ground of innovation | |
| Technology details | |
| Practical utility of innovation | |

4.5. Details of entrepreneurship development

| **Entrepreneurship development** | |
|---|---|
| Name of the enterprise | Fishery |
| Name & complete address of the entrepreneur | Sri Purnachandra Majhi<br>Thaila, Bhandaripokhari, Bhadrak |
| Role of KVK with quantitative data support: | Capacity building in fish seed production through training, demonstrations |
| Timeline of the entrepreneurship development | 2005: Came in contact with KVK and attended a vocational training at KVK<br>Dec 2005: Earned 1 lakh profit in 4 months by fish seed production<br>2006-2014: Leased in village tanks and engaged in fish seed production: earned a profit on Rs 27 lakhs per year; provided employment to 14 rural youth. |
| Technical Components of the Enterprise | Quality fish seed production following scientific pisciculture |

| | |
|---|---|
| Status of entrepreneur before and after the enterprise | He was a landless farmer and now he has a asset of Rs.70 lakhs |
| Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. ( Economic viability of the enterprise): | His business is going well without any constraints of marketing or labour availability |
| Horizontal spread of enterprise | Fish farmers of nearby villages are inspired to take up fish seed production |

4.6. Any other initiative taken by the KVK

**Resource Conservation technology**

RCT such as zero till planting of mustard and greengram has been promoted by KVK in collaboration with CSISA in KVK adopted and other villages of the district. Rice-mustard cropping system is constrained with late planting of mustard leading to low yield, which was well taken care by introduction of zero till mustard. Residual soil moisture is used for planting of mustard under zero till condition saving about 15-20 days which not only increased production but also minimized the cost of production.

**Soil health improvement**

- Collection of soil samples from all KVK adopted villages, representative samples from all the 7 blocks of the district
- Preparation of GIS map for judicious recommendation of fertilizer for crop production
- Site specific nutrient recommendation through use of RCM app of IRRI
- Special focus on promotion of vermicompost as organic source of nutrients through training, demonstration and awareness programme.
- Soil test campaign for creating awareness for soil health management
- Publication of extension literature on soil sampling procedure and management with the use of micronutrients.

**Conservation of biodiversity in fruits**

One Heritage garden is developed in KVK campus for sensitising the people about conservation of traditional underutilised fruit species. 20 such species have been planted in that garden and maintained. Few among them are aonla, ber, bael, ramphal, sitaphal, wood apple, rose apple, stone apple etc.

**To develop an organic Village**

Most of the farmers of the Kuanrda village,one of the adopted village of KVK, opting vermicompoost as fertilize during vegetable cultivation and also preferring fodder and azolla over concentrate feed in case of milch cow

## 5. LINKAGES

5.1. Functional linkage with different organizations

| Name of organization | Nature of linkage |
|---|---|
| CSISA | Participatory Research Trial- Research trials were conducted by KVK addressing the researchable issues in rice based cropping system of Bhadrak |
| CSISA | Dissemination of mechanized DSR- Large scale promotion of MDSR technology was undertaken with CSISA |

| | |
|---|---|
| IRRI-OUAT Collaborative project | Head to Head trials on Stress tolerant rice varieties- Conducting demonstrations at farmers field on stress tolerant rice varieties. Comparison made with the farmers' comparable rice varieties |
| Agriculture Department | BGREI, NFSM, RKVY- Technical backstopping, monitoring activities by KVK scientists |
| Fishery Dept., | Beneficiaries from KVK villages availed feed, fish seed from Govt. Schemes |
| ARD Dept. | Active support both interms of man power and inputs during organization of Animal Health camp |

5.2. List of special programmes undertaken during 2017-18by 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.) |
|---|---|---|---|---|
| Sankalp se Siddhi | Make awareness about doubling farmers income | 30 August 2017 | ICAR | 78800 |
| World Soil Day | Awareness about soil health management | 5 December 2017 | ICAR | 80000 |
| Exhibition | Development of exhibits | 6 February 2018 | ATMA | 10000 |

## 6. 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. | Mushroom spawn lab | 2009 | - | Paddy straw & Oyster | spawn | 965 | 9650 | 13510 | |
| 2. | | | | | | | | | |
| 3. | | | | | | | | | |
| 4. | | | | | | | | | |
| 5. | | | | | | | | | |
| 6. | | | | | | | | | |
| 7. | | | | | | | | | |
| | 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 | |
| Paddy | 07.07.17 | 20.12.17 | 5 | Swarna sub1 | FS | 141.8 | 223131 | 363008 | |
| Paddy | 20.07.17 | 15.01.18 | 4 | MTU1075 | CS | 72 | 149009 | 180720 | |
| | | | | | | | | | |

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. | Vermicompost | 31.6q | 10005 | 18075 | |
| 2 | Vermiculture | 5kg | | | |

6.4. 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. | Poultry-Chicks | Rainbow rooster | 21day old chicks | 330no. | 19800 | 17490 | |
| 2. | Fish | IMC | Spawn | 35lakh | 6000 | 27500 | |
| 3. | Fish | IMC | FL/YL | 39170no | 14000 | 50400 | |
| 4. | Fish | Live bearer | - | 2800no. | 1500 | 8845 | |

6.5. Utilization of hostel facilities NO

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)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: NO
No. of staffquarters:
Date of completion:
Occupancy details:

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

## 7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

| **Bank account** | **Name of the bank** | **Location** | **Account Number** |
|---|---|---|---|
| Contingency Account | SBI | Bhadrak | 11403397791 |
| Revolving fund account | SBI | Charampa | 30530545584 |
| Pulse Seed Hub account | SBI | Charampa | 36055571236 |

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

| Item | Released by ICAR | | Expenditure | | Unspent balance as on - |
|---|---|---|---|---|---|
| | Kharif | Rabi | Kharif | Rabi | |
| Mustard | - | 90,000 | - | 1,14,000 | -24,000 |

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

| Item | Released by ICAR | | Expenditure | | Unspent balance as on 1st April 2013 |
|---|---|---|---|---|---|
| | Kharif | Rabi | Kharif | Rabi | |
| Pulse (Summer) | - | 0 | - | 3,37,500 | -3,37,500 |

7.4. Utilization of KVK funds during the year 2017-18(Not audited)

| Sl. No. | Particulars | Sanctioned | Released | Expenditure |
|---|---|---|---|---|
| A. Recurring Contingencies | | | | |
| 1 | Pay & Allowances | Data available with Comptroller, OUAT, Bhubaneswar | | |
| 2 | Traveling allowances | 1,60,000 | 1,60,000 | 1,60,000 |
| 3 | Contingencies | | | |
| *A* | Stationary, telephone, postage and other office charges | 11,58,800 | 11,58,800 | 2,61,552.50 |
| *B* | POL, repair of vehicle, tractor &equipments | | | 1,47,390 |
| *C* | Training of farmers | | | 567708.50 |
| *D* | Training materials | | | |
| *E* | Training of extension functionaries | | | |
| *F* | Training of rural youths | | | |
| *G* | Front Line Demonstrations | | | 121307 |
| *H* | On Farm Testing | | | 60842 |
| *I* | Soil & Water testing lab | | | |
| *J* | Swatchta Expenditure | | | |
| *K* | Maintenance of Buildings | | | |
| TOTAL (A) | | 13,18,800 | 13,18,800 | 13,18,800 |
| B. Non-Recurring Contingencies | | | | |
| 1 | Equipment (Office equipment) | 3,00,000 | 3,00,000 | 299587 |
| TOTAL (B) | | | | |
| C. REVOLVING FUND | | - | - | - |
| GRAND TOTAL (A+B+C) | | 16,18,800 | 16,18,800 | 16,18,387 |

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) |
|---|---|---|---|---|
| 2015-16 | 4,53,061 | 2,61,365 | 4,67,893 | 243885 |
| 2016-17 | 2,46,533 | 5,17,134 | 4,16,782 | 3,46,885 (3,43,885 deposited at DEE, OUAT vide cheque No. 086229 dt. 31.03.17 + 3000 C. B.) |
| 2017-18 | 3,000 | 2,00,000(from DEE, OUAT) + 4,63,629 =6.66,629 | 4,21,179 | 45450 (2,00,000 deposited at DEE, OUAT vide cheque No. 427019dt. 31.03.18 + 45,450 C. B.) |

7.6. (i) Number of SHGs formed by KVKs: No

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

Maa Tarinin SHG, Kuanrda- Paddy production
Mahadeba Krushaka Sangha-Paddy Seed Production
Mahavir SHG, Bandhagaon- Dairy production
Bayananaa Krushaka Club, Gopali-Pulse production
Maa Mangala SHG, Thaila, Paddy production
Maa Durga SHG- Paddy production

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

| Nameof activity | Number of activity | Season | With line department | With ATMA | With both |
|---|---|---|---|---|---|
| Season long training on farm mechanization in paddy | 5 | Kharif and Rabi | ✓ | | |
| Animal Health Camp | 3 | Rabi | ✓ | | |
| Training on Fishery Sc. | 3 | Kharif | | | ✓ |
| Extension Functionary and RY Training on Animal Sc. | 3 | Kharif and Rabi | ✓ | | |
| BGREI patch monitoring | 9 | Kharif | ✓ | | |
| BPH management in paddy | 11 | Rabi | ✓ | | |

8. Other information

8.1. Prevalent pest and diseases in Crops

| Name of the disease | Crop | Date of outbreak | Area affected (in ha) | % Commodity loss | Preventive measures taken for area (in ha) |
|---|---|---|---|---|---|
| BPH | Rice | 1st wk of Nov | 1000 | 30 | Diagnostic visits made and advisory issued directly and also through mobile text messages |

| | | | | | |
|---|---|---|---|---|---|
| Neck blast | Rice | Last wk of October | 300 | 15 | Diagnostic visits made and advisory issued directly and also through mobile text messages |

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) |
|---|---|---|---|---|---|
| Hemorrhagic Septicemia | Buffalo | | 78 | 472 | |

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

| Date of organizing the programme | Resource Person | No. of participants | Registration (crop wise) | |
|---|---|---|---|---|
| | | | Name of crop | No. of registration |
| | | | | |

9.3. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

| Type of message | No. of messages | No. of farmers covered |
|---|---|---|
| Crop | 23 | 10,59,380 |
| Livestock | 8 | 3,68,184 |
| Fishery | | |
| Weather | 1 | 46,069 |
| Marketing | | |
| Awareness | 2 | 92,000 |
| Training information | | |
| Other | 2 | 92,000 |
| **Total** | 36 | 16,57,633 |

9.4. *KVK* Portal and Mobile App

| Sl. No. | Particulars | Description |
|---|---|---|
| 1. | No. of visitors visited the portal | 12017 |
| 2. | No. of farmers registered in the portal | No |

| | | |
|---|---|---|
| 3. | Mobile Apps developed by KVK | No |
| 4. | Name of the App | No |
| 5. | Language of the App | No |
| 6. | Meant for crop/ livestock/ fishery/ others | No |
| 7. | No. of times downloaded | No |

9.5. a. Observation of Swacha Bharat Programme

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

b. Details of Swachhta activities with expenditure

| Activities | Number | Expenditure (in Rs.) |
|---|---|---|
| 1. Digitization of office records/ e-office | | |
| 2. Basic maintenance | | |
| 3. Sanitation and SBM | | |
| 4. Cleaning and beautification of surrounding areas | 0.01 acre | 30,000 |
| 5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste | | 20,000 |
| 6. Used water for agriculture/ horticulture application | 9 ha | 11,200 |
| 7. Swachhta Awareness at local level | | |
| 8. Swachhta Workshops | 1 | 800 |
| 9. Swachhta Pledge | | |
| 10. Display and Banner | 2 | |
| 11. Foster healthy competition | | |
| 12. Involvement of print and electronic media | | |
| 13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village) | 5 | |
| 14. No of Staff members involved in the activities | 16 | |
| 15. No of VIP/VVIPs involved in the activities | | |
| 16. Any other specific activity (in details) | | |

| | | |
|---|---|---|
| **Total** | | **64,800** |

9.6. Observation of National Science day

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

9.7. Programme with SeemaSurakshaBal (BSF)

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

9.8. Agriculture Knowledge in rural school:

| Name and address of school | Date of visit to school | Areas covered | Teaching aids used |
|---|---|---|---|
| | | | |
| | | | |

Give good quality 1-2 photograph(s)

9.9. Details of '*Sankalp Se Siddhi'* 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 | | |
| 30.08.2017 | - | - | - | - | - | - | 5 | 352 | 12 | | Yes | 4 |

9.10. 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) |
|---|---|---|---|---|---|
| | | | | | |

9.11. 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 | Celebration of Mahila Kisan Divas | 1 | 50 | - | - |

9.12. 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 | Abhimanyu Aicha | Village: Kuanrda, Bonth, Bhadrak 7539025406 | Pond based farming system, use of organics in vegetable crops |
| 2 | Kamalkanta | Village: Biridi, Agarpada, Bhadrak, 8342864670 | Pointed gourd and ivy gourd planting material production, agro shed net house |
| 3 | Digbalay Mallik, | Bagmara, Bhadrak 9937023145 | Pond based farming system, goatery |

9.13.HRD programmesattended by KVK person

| Training programme/ Seminar/ Symposia/ Workshop etc attended | Duration | Name of the participants | Designation | Organizer of the training Programme |
|---|---|---|---|---|
| | | Dr. A. Das, Sr. Scientist & Head | | |
| | | Dr. D. Dash, Scientist (Soil Sc) | | |
| | | Dr. B. Sahoo, Scientist (Horticulture) | | |
| | | Dr. T. K. Palai, Scientist (Animal Sc.) | | |
| | | Sri A. P. Nayak, Scientist (Fishery Sc.) | | |
| | | Dr. S. Pattanaik, Scientist (Home Sc.) | | |

9.14. Revenue generation

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

9.15. Resource Generation:

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

9.16. Performance of Automatic Weather Station in KVK

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

9.17. 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 |
|---|---|---|---|---|---|
| Odisha | Bhadrk | Crop production | 1 | 35 | Unseasonal rain in November damaged rice, farmers advised to go for early paira cropping with blackgram |

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

a) Year:
b) 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

a. Achievements of physical output under TSP during 2017-18

| **Programmes** | **Physical achievements** |
|---|---|
| Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.) | |
| On-farm trials (Number) | |
| Frontline demonstrations (Number) | |
| Farmers training (in lakh) | |
| Extension personnel training (in lakh) | |

| | |
|---|---|
| Participants in extension activities (in lakh) | |
| Seed production (in tonnes) | |
| Planting material production (in lakh) | |
| Livestock strains and fingerlings production (in lakh) | |
| Soil, water, plant, manures samples testing (in lakh) | |
| Provision of mobile agro – advisory to farmers (in lakh) | |
| No. of otherprogrammes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.) | |

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

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

d. Location and Beneficiary Details during 2017-18

| ***District*** | ***Sub-district*** | ***No. of Village covered*** | ***Name of village(s) covered*** | ***ST population benefitted (No.)*** | | |
|---|---|---|---|---|---|---|
| | | | | M | F | T |
| | | | | | | |

12.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 |
|---|---|---|---|---|---|
| | | | | | |
| | | | | | |
| | | | | | |
| | | | | | |

Crop Management

| Name of intervention undertaken | Area (ha) | No of farmers covered / benefitted | Remarks |
|---|---|---|---|
| | | | |

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

Livestock and fisheries

| Name of intervention undertaken | Number of animal covered | Number of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---|---|---|---|---|---|
| | | | | | |

Institutional interventions

| Name of intervention undertaken | No of units | Area (ha) | No of farmers covered / benefitted | Remarks |
|---|---|---|---|---|
| | | | | |

Capacity building

| Thematic area | No. of Courses | No. of beneficiaries | | |
|---|---|---|---|---|
| | | Males | Females | Total |
| | | | | |
| | | | | |

Extension activities

| Thematic area | No. of activities | No. of beneficiaries | | |
|---|---|---|---|---|
| | | Males | Females | Total |
| | | | | |
| | | | | |

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

| Sl. No. | Name of the Award | Year | Conferring Authority | Amount | Purpose |
|---|---|---|---|---|---|
| 1 | Pandit Deendayal Upadhyaya Krishi Vigyan Prosthahan Puraskar (Zonal Award) | 2017 | ICAR | 225000 | Best KVK of the Zone -V |

Award received by Farmers from the KVK district

| Sl. No. | Name of the Award | Name of the Farmer | Year | Conferring Authority | Amount | Purpose |
|---|---|---|---|---|---|---|
| 1 | State level award | Abhimanyu Aich | 2017-18 | Govt. of Odisha | 10000 | Innovative Farmer |
| 2 | State level award | Purna Ch. Majhi | 2017-18 | Govt. of Odisha | 10000 | Best Fish Farmer |

| | | | | | | |
|---|---|---|---|---|---|---|
| 3 | District Level Award | Aziz Saha | 2017 | ARD, Bhadrak | 1000 | Innovative goatery farmer |

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

15. 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 |
|---|---|---|---|---|---|---|---|---|
| | | | | | | | | |

16. 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 |
|---|---|---|---|---|---|---|---|
| | | | | | | | |

17. 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 | Flood tolerant rice variety Swarna Sub1 under flash flood situation | ▪ Flood tolerant variety Swarna Sub 1<br>▪ STBFR | 18400 | | |
| 2 | IPM modules for plant hoppers management in rice | -Skip row planting (after 3 m)<br>-Installation of spider trap @ 25/ ha.<br>-Alternate spraying of Flonicamid 150 g/ ha and Dichlorvos @ 750 ml/ ha | 15753 | | |
| | Fodder and Azolla cultivation for | Azolla-1 kg/cow/day | 23700/cow/yr | 31 | |

| | | | | | |
|---|---|---|---|---|---|
| | feeding of milch cows | Fodder (HN)-25kg/cow/day | | | |
| | Nursery raising of carp spawns to frys in small backyard tanks | Stocking of mixed carp spawns @ 75 Lakhs per ha and reared for 21days,Stocking of small ponds | 177500/ha of WSA | 16 | |
| | Jayanti Rohu in IMCs replacing traditional rohy | Stocking of grow-out ponds with catla: Jayanti rohu: mrigal fingerlings:: 3000:4000:3000 nos. per ha. respectively | 235500/ha of WSA | 19 | |

18. 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) | 824 | 8237 | 08.02.18 | Dr. A. Das, Sr. Scientist & Head, A. P. Nayak, Scientist, Dr. T. K. Palai, Scientist, Dr. D. Dash, Scientist, Dr. B. Sahoo, Scientist, G. K. Ojha, Prog. Asst.(Comp) | |
| II (up-to 24.04.218) | 31 | 312 | | | |
| Total | | | | | |

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

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

***