# ACTION PLAN
# 2025-26

**KRISHI VIGYAN KENDRA, PURI**

**ODISHA UNIVERSITY OF AGRICULTURE &TECHNOLOGY**

**ICAR ATARI, KOLKATA**

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**REVISED PROFORMA FOR ACTION PLAN 2025-26**

**1. Name of the KVK:**

| **Address** | **Telephone** | | **E mail** |
|---|---|---|---|
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**2.Name of host organization**:

| **Address** | **Telephone** | | **E mail** |
|---|---|---|---|
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| Orissa University of Agriculture & Technology Bhubaneswar-751003 Odisha, India. | (0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868 | | registrarouat@gmail.com |

**3.Training programme to be organized (April 2025 to March 2026)**

**(a) Farmers and farmwomen**

| **Thematic area** | **Title of Training** | **No.** | **Duration** | **Venue On/Off** | **Tentative Date** | **No. of Participants** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SC** | | **ST** | | **Other** | | **Total** | | |
| | | | | | | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **Agronomy** | | | | | | | | | | | | | | |
| ICM | Training on deep water rice varieties | 1 | 1 | Off | July | | | | | | | | | 30 |
| INM | Training on green and brown manuring in rice | 1 | 1 | Off | Aug | | | | | | | | | 30 |
| IWM | Training on IWM in rice | 1 | 1 | Off | Aug | | | | | | | | | 30 |
| INM | Training on Nitrogen management by LCC in Rice | 1 | 1 | Off | Sept | | | | | | | | | 30 |
| IWM | Integrated Nutrient Management in Green gram | 1 | 1 | Off | Sept | | | | | | | | | 30 |
| ICM | Training on weed management in maize | 1 | 1 | Off | Oct | | | | | | | | | 30 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| INM | Integrated nutrient management in sunflower | 1 | 1 | Off | Oct | | | | | | | | | 30 |
| INM | Training on integrated nutrient management in Groundnut | 1 | 1 | Off | Nov | | | | | | | | | 30 |
| INM | Nutrient management in finger millet | 1 | 1 | Off | Nov | | | | | | | | | 30 |
| INM | Seed treatment in pulse crop through microbial culture | 1 | 1 | Off | Jan | | | | | | | | | 30 |
| Soil testing | Training on methods of Soil sample collection, processing of soil sample and testing of different nutrient by Mrida Parikshyak | 1 | 1 | Off | Jan | | | | | | | | | 30 |
| INM | Training on deficiency symptoms of micronutrients and their management | 1 | 1 | Off | Feb | | | | | | | | | 30 |
| **Horticulture** | | | | | | | | | | | | | | |
| HOV | Agro techniques for pointed gourd cultivation | 1 | 1 | Off | July | | | | | | | | | 30 |
| HOV | Use of plastic mulch in vegetable cultivation | 1 | 1 | Off | Aug | | | | | | | | | 30 |
| HOV | Management of vegetable nursery | 1 | 1 | On | Aug | | | | | | | | | 30 |
| HOV | Weed management in solanaceous vegetable | 1 | 1 | Off | Sept | | | | | | | | | 30 |
| HOV | INM in Cole crops | 1 | 1 | On | Sept | | | | | | | | | 30 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOV | Use of growth regulators in vegetables | 1 | 1 | On | Oct | | | | | | | | | 30 |
| HOV | Package of practices for potato cultivation | 1 | 1 | Off | Nov | | | | | | | | | 30 |
| HOV | INM in cucurbitaceous vegetable | 1 | 1 | Off | Dec | | | | | | | | | 30 |
| HOV | Agro techniques of okra cultivation | 1 | 1 | Off | Dec | | | | | | | | | 30 |
| HOF | Training & pruning in fruitcrops | 1 | 1 | Off | Jan | | | | | | | | | 30 |
| HOV | Package of practices for coconut cultivation | 1 | 1 | Off | Feb | | | | | | | | | 30 |
| HOV | Production technology of banana | 1 | 1 | On | Mar | | | | | | | | | 30 |
| **Plant Protection** | | | | | | | | | | | | | | |
| Integrated Pest Management | Management of Stem Borer in Summer rice | 1 | 01 | off | Jan. | | | | | | | | | 30 |
| Integrated Pest Management | BPH / WBPH management in rice | 1 | 01 | off | Aug. | | | | | | | | | 30 |
| Integrated Disease Management | Management of Sheath blight in rice | 1 | 01 | off | Sept. | | | | | | | | | 30 |
| Integrated Disease Management | Management of leaf minor in tomato | 1 | 01 | off | November | | | | | | | | | 30 |
| Integrated Pest Management | IPM measures for management YMV in Greengram | 1 | 01 | off | Feb. | | | | | | | | | 30 |
| Integrated Disease Management | Integrated management of Rhinocerus beetle and red palm weevil in | 1 | 01 | off | March | | | | | | | | | 30 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | coconut | | | | | | | | | | | | | |
| Integrated Disease Management | Management of vine rot in betel vine | 1 | 01 | off | June | | | | | | | | | 30 |
| Integrated Disease Management | Management of Tikka disease in Groundnut | 1 | 01 | off | November | | | | | | | | | 30 |
| Integrated Pest Management | IPM measures for management of sucking pest in chilli | 1 | 01 | off | December | | | | | | | | | 30 |
| Integrated Pest Management | IPM measures for management of shoot and fruit borer in Brinjal | 1 | 01 | off | Sept. | | | | | | | | | 30 |
| Integrated Pest Management | Management of spiraling white fly | 1 | 01 | off | May | | | | | | | | | 30 |
| Integrated Disease Management | Integrated management of Panama wilt in Banana | 1 | 01 | off | Oct | | | | | | | | | 30 |
| **Agril. Engineering** | | | | | | | | | | | | | | |
| Farm Mechanization | Direct seeded Rice using tractor drawn multi crop seed cum fertilizer drill | 1 | 01 | off | July | | | | | | | | | 30 |
| Farm Mechanization | Use of pre germinated Paddy drum seeder for wet DSR | 1 | 02 | off | August | | | | | | | | | 30 |
| Farm Mechanization | Operation & maintenance of Rice Transplanters | 1 | 02 | off | October | | | | | | | | | 30 |
| Farm Mechanization | Operational Procedure of coconut dehusker | 1 | 01 | off | September | | | | | | | | | 30 |
| Farm Mechanization | Use of small tools and farm implements for drudgery reduction of farm women | 1 | 02 | off | October | | | | | | | | | 30 |
| Micro Irrigation | Installation & maintenance of drip irrigation system in horticultural crops | 1 | 01 | off | November | | | | | | | | | 30 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Farm Mechanization | Operational procedure of Coconut Tree Climber | 1 | 02 | off | December | | | | | | | | | 30 |
| Farm Mechanization | Use of tractor drawn Rice straw Baler | 1 | 01 | off | January | | | | | | | | | 30 |
| Drudgery reduction | Operation & maintenance of manual and power driven Seed cum fertilizer drill | 1 | 02 | off | February | | | | | | | | | 30 |
| Farm Mechanization | Use of mini pan evaporimeter for on farm irrigation scheduling in Rice | 1 | 01 | off | March | | | | | | | | | 30 |
| **Fishery** | | | | | | | | | | | | | | |
| Biofloc Farming | Package of practices for biofloc fish farming | 1 | 01 | Off | May | | | | | | | | | 30 |
| Composite fish culture | Pre stocking and post stocking pond management | 1 | 01 | Off | June | | | | | | | | | 30 |
| Composite fish culture | Composite fish culture | 1 | 01 | Off | June | | | | | | | | | 30 |
| Composite fish culture | Multiple stocking and multiple harvesting method in IMC culture | 1 | 01 | Off | July | | | | | | | | | 30 |
| Disease management | Fish diseases and their management | 1 | 01 | Off | September | | | | | | | | | 30 |
| Composite fish culture | Carp poly culture with freshwater prawn | 1 | 01 | Off | September | | | | | | | | | 30 |
| Crab fattening | Recent advances in BW crab culture | 1 | 01 | Off | October | | | | | | | | | 30 |
| Integrated Farming | Integrated fish Farming | 1 | 01 | Off | October | | | | | | | | | 30 |
| Composite fish culture | Intercropping of Minor carps & barbs in composite carp culture | 1 | 01 | Off | December | | | | | | | | | 30 |
| Feeding management | Artificial Feeding management in | 1 | 01 | Off | December | | | | | | | | | 30 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | carp culture | | | | | | | | | | | | | |
| Composite fish culture | Composite carp culture in community tank by WSHGs | 1 | 01 | Off | January | | | | | | | | | 30 |
| Composite fish culture | Breeding and seed production of Amur carp in village ponds | 1 | 01 | Off | January | | | | | | | | | 30 |
| Composite fish culture | Adverse aquatic environment of fish ponds & its remedial measures | 1 | 01 | Off | February | | | | | | | | | 30 |
| **Home science** | | | | | | | | | | | | | | |
| Nutritional Security | Importance of rice fortification and its cooking process | 1 | 1 | Off | July | | | | | | | | | 30 |
| Mushroom Production | Mushroom production in the semi-compost method for income generation | 1 | 1 | Off | August | | | | | | | | | 30 |
| Nutritional Security | Layout and planning of Ganga Ma Mandal Organic Nutritional Garden | 1 | 1 | Off | August | | | | | | | | | 30 |
| Value addition | Backyard poultry rearing in a semi-intensive system | 1 | 1 | Off | September | | | | | | | | | 30 |
| Livestock Management | Feed management in backyard poultry rearing | 1 | 1 | On | November | | | | | | | | | 30 |
| Income Generation | Oyster Mushroom Cultivation | 1 | 1 | On | November | | | | | | | | | 30 |
| Nutritional Security | Cultivation practices of Sweet Potato in the backyard | 1 | 1 | Off | September | | | | | | | | | 30 |
| Value addition | Preparation of Mushroom pickle | 1 | 1 | On | March | | | | | | | | | 30 |
| Value addition | Preparation of Nutricereal cookies | 1 | 1 | Off | December | | | | | | | | | 30 |
| Income generation | Production technique of | 1 | 1 | Off | February | | | | | | | | | 30 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| activities for empowerment of rural Women | vermicompost from spent mushroom substrate | | | | | | | | | | | | | |
| Enterprise development | Paddy straw Mushroom cultivation using crumpled straw | 1 | 1 | Off | August | | | | | | | | | 30 |
| Location specific drudgery reduction technologies | Enhancing Efficiency: Women-Friendly Tools for Drudgery Reduction | 1 | 1 | Off | October | | | | | | | | | 30 |
| **Total** | | **71** | | | | | | | | | | | | **2130** |

**(b) Rural youths**

| **Thematic area** | **Title of Training** | **No.** | **Duration** | **Venue On/Off** | **Tentative Date** | **No. of Participants** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SC** | | **ST** | | **Other** | | **Total** | | |
| | | | | | | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **Agronomy** | | | | | | | | | | | | | | |
| Composting method | Training on methods of preparation & use of organic inputs | 1 | 2 | On | Feb | | | | | | | | | 20 |
| Bio-fertilizer | Training on BGA and Azolla cultivation | 1 | 2 | On | Mar | | | | | | | | | 20 |
| **Horticulture** | | | | | | | | | | | | | | |
| HOV | Protected cultivation of vegetable | 1 | 2 | On | Feb | | | | | | | | | 20 |
| HOV | Commercial nursery raising of vegetable | 1 | 2 | On | Mar | | | | | | | | | 20 |
| **Plant Protection** | | | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | Production of bio pesticide | 1 | 02 | On | October | | | | | | | | | 20 |
| Production of bio control agents and bio pesticides | Preparation of botanical pesticides & ITKs | 1 | 02 | On | January | | | | | | | | | 20 |
| **Agril. Engineering** | | | | | | | | | | | | | | |

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| Farm Mechanization | Cost Economics of Agro Service Centre Model | 1 | 02 | On | November | | | | | | | | | 20 |
| Post harvest management | Operation & maintenance of Rice mill, Dalmill and Oilmill | 1 | 02 | Off | January | | | | | | | | | 20 |
| **Fishery** | | | | | | | | | | | | | | |
| Production and management | Round the year fish seed production technology | 1 | 2 | On | August | | | | | | | | | 20 |
| Production and management | Ornamental fish (Egg layers) breeding technology | 1 | 2 | On | August | | | | | | | | | 20 |
| **Home science** | | | | | | | | | | | | | | |
| Value addition | Preparation of value-added products from millet | 1 | 2 | Off | October | | | | | | | | | 20 |
| Beekeeping | Scientific management of *Apis cerena indica* for empowering beekeepers | 1 | 2 | On | November | | | | | | | | | 20 |
| Mushroom Production | Mushroom Spawn Production | 1 | 5 | On | July | | | | | | | | | 20 |
| **Total** | | **13** | | | | | | | | | | | | **260** |

**(c) Extension functionaries**

| **Thrust area/ Thematic area** | **Title of Training** | **No.** | **Duration** | **Venue On/Off** | **Tentative Date** | **No. of Participants** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SC** | | **ST** | | **Other** | | **Total** | | |
| | | | | | | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| **Agronomy** | | | | | | | | | | | | | | |
| Chemical weed management | Different types of new generation herbicide for weed | 1 | 1 | On | January | | | | | | | | | 20 |
| Soil Health Management | Management of problem soil in the district | 1 | 1 | On | February | | | | | | | | | 20 |
| **Horticulture** | | | | | | | | | | | | | | |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| HOF | High tech horticulture | 1 | 1 | On | February | | | | | | | | | 20 |
| HOF | Weed management in vegetable crops | 1 | 1 | On | March | | | | | | | | | 20 |
| **Plant Protection** | | | | | | | | | | | | | | |
| IDM | Integrated disease and pest management in Paddy | 1 | 02 | Off | Sept | | | | | | | | | 20 |
| IPM | Fruit fly management in gourds | 1 | 02 | On | Dec | | | | | | | | | 20 |
| **Agril. Engineering** | | | | | | | | | | | | | | |
| Farm mechanization | Operation & maintenance of Rice Mill, Dal mill and Oil mill | 1 | 01 | Off | December | | | | | | | | | 20 |
| Farm Mechanization | Fertigation technology | 1 | 01 | On | February | | | | | | | | | 20 |
| **Fishery** | | | | | | | | | | | | | | |
| Biofloc fish farming | Fish seed production in biofloc system | 1 | 02 | On | July | | | | | | | | | 20 |
| Production & management | Recent advances in freshwater aquaculture | 1 | 02 | On | October | | | | | | | | | 20 |
| **Home science** | | | | | | | | | | | | | | |
| Women and Child care | Role of fortified rice in malnutrition prevention and manage | 1 | 1 | Off | July | | | | | | | | 20 | 20 |
| Income generation | Entrepreneurship development of WSHGs through income generation activities | 1 | 1 | On | February | | | | | | | | 20 | 20 |
| **Total** | | **12** | | | | | | | | | | | | **240** |

**Abstract of Training: Consolidated table (ON and OFF Campus)**

**Farmers and 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 | 4 | | | | | | | | | | | | 120 |

| 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 |
| Resource Conservation Technologies | | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | | |
| Water management | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Seed treatment in pulse | 1 | | | | | | | | | | | | 30 |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | 1 | | | | | | | | | | | | 30 |
| Soil Testing & Sampling | 1 | | | | | | | | | | | | 30 |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Integrated Nutrient Management | 4 | | | | | | | | | | | | 120 |
| Ecosystem protection | 1 | | | | | | | | | | | | 30 |
| **TOTAL** | **12** | | | | | | | | | | | | **360** |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | 2 | | | | | | | | | | | | 60 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | | | | | | | | | | | | | |
| Yield increment | | | | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | | | | |
| Off-season vegetables | 1 | | | | | | | | | | | | 30 |
| Nursery raising | 1 | | | | | | | | | | | | 30 |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Plastic mulching in vegetables | 1 | | | | | | | | | | | | 30 |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | | |
| Integrated crop management | 7 | | | | | | | | | | | | 210 |
| TOTAL | **12** | | | | | | | | | | | | **360** |
| **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 | | | | | | | | | | | | | |

| 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(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 | | | | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | | | | |
| **III. Soil Health and Fertility Management** | | | | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | | | | |
| Soil and Water Conservation | | | | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | | | | |

| 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 | 1 | | | | | | | | | | | | 30 |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | **1** | | | | | | | | | | | | **30** |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |
| Dairy Management | | | | | | | | | | | | | |
| Poultry Management | | | | | | | | | | | | | |
| Piggery Management | | | | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | | | | | | | | | | | | | |
| Feed management | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | |
| Others, if any (Goat farming) | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **V. Home Science/Women empowerment** | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 1 | | | | | | | | | | | | 30 |
| 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 | 1 | | | | | | | | | | | | 30 |
| Value addition | 4 | | | | | | | | | | | | 120 |
| Income generation activities for empowerment of rural Women | 5 | | | | | | | | | | | | 150 |
| Location specific drudgery reduction technologies | 1 | | | | | | | | | | | | 30 |
| Rural Crafts | | | | | | | | | | | | | |
| Capacity building | | | | | | | | | | | | | |
| Women and child care | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |

| 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 |
| TOTAL | **12** | | | | | | | | | | | | **360** |
| **VI. Agriculture Engineering** | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | 2 | | | | | | | | | | | | 60 |
| Use of Plastics in farming practices | | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | 6 | | | | | | | | | | | | 180 |
| Small scale processing and value addition | | | | | | | | | | | | | |
| Post Harvest Technology | 2 | | | | | | | | | | | | 60 |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | **10** | | | | | | | | | | | | **300** |
| **VII. Plant Protection** | | | | | | | | | | | | | |
| Integrated Pest Management | 6 | | | | | | | | | | | | 180 |
| Integrated Disease Management | 6 | | | | | | | | | | | | 180 |
| Bio-control of pests and diseases | | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | **12** | | | | | | | | | | | | **360** |
| **VIII. Fisheries** | | | | | | | | | | | | | |
| Integrated fish farming | 2 | | | | | | | | | | | | 60 |
| Carp breeding and hatchery management | 1 | | | | | | | | | | | | 30 |
| Carp fry and fingerling rearing | | | | | | | | | | | | | |
| Composite fish culture & fish disease | 3 | | | | | | | | | | | | 90 |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | | | | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | 1 | | | | | | | | | | | | 30 |
| Breeding and culture of ornamental fishes | 1 | | | | | | | | | | | | 30 |
| 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 | 5 | | | | | | | | | | | | 150 |
| TOTAL | **13** | | | | | | | | | | | | **390** |
| **IX. Production of Inputs at site** | | | | | | | | | | | | | |

| 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 |
| 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 | | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **XII. Others (Pl. Specify)** | | | | | | | | | | | | | |
| **TOTAL** | **71** | | | | | | | | | | | | **2130** |

**Rural youth**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Mushroom Production | 1 | | | | | | | | | | | | 10 |

| 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 |
| Bee-keeping | 1 | | | | | | | | | | | | 20 |
| Integrated farming | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Production of organic inputs | 4 | | | | | | | | | | | | 80 |
| Planting material production | | | | | | | | | | | | | |
| Vermi-culture | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | 1 | | | | | | | | | | | | 20 |
| Commercial fruit production | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | 1 | | | | | | | | | | | | 20 |
| Custom hiring of agricultural implements | 1 | | | | | | | | | | | | 20 |
| Nursery Management of Horticulture crops | 1 | | | | | | | | | | | | 20 |
| Training and pruning of orchards | | | | | | | | | | | | | |
| Value addition | 1 | | | | | | | | | | | | 20 |
| Production of quality animal products | | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | | | | | | | | | | | | | |
| Ornamental fisheries | 1 | | | | | | | | | | | | 20 |
| Para vets | | | | | | | | | | | | | |
| Para extension workers | | | | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Pearl 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 |
| Cold water fisheries | | | | | | | | | | | | | |
| Fish seed production | 1 | | | | | | | | | | | | 20 |
| Fish harvest and processing technology | | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Others if any (ICT application in agriculture) | | | | | | | | | | | | | |
| **TOTAL** | **13** | | | | | | | | | | | | **260** |

**Extension functionaries**

| 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 weed Management | 1 | | | | | | | | | | | | 20 |
| Integrated Pest Management | 1 | | | | | | | | | | | | 20 |
| Integrated disease Management | 1 | | | | | | | | | | | | 20 |
| Integrated Nutrient management | | | | | | | | | | | | | |
| High tech horticulture | 1 | | | | | | | | | | | | 20 |
| Soil Health Management | 1 | | | | | | | | | | | | 20 |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Physical deformity | 1 | | | | | | | | | | | | 20 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| in vegetables | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Protected cultivation technology | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | | | | |
| Micro irrigation | 1 | | | | | | | | | | | | 20 |
| Safe use of farm machineries | 1 | | | | | | | | | | | | 20 |
| 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 | 1 | | | | | | | | | | | | 20 |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | 1 | | | | | | | | | | | | 20 |
| Crop intensification | | | | | | | | | | | | | |
| Bifloc fish farming | 1 | | | | | | | | | | | | 20 |
| Brackish water aquaculture | 1 | | | | | | | | | | | | 20 |
| **TOTAL** | **12** | | | | | | | | | | | | **240** |

## 4. Frontline demonstration to be conducted*

**FLD1: Demonstration of ICM in Direct seeded rice (Code: 24FAG5K)**

**Crop**: Rice
**Thrust Area**: Weed Management
**Thematic Area**: Weed Management
**Season**: *Kharif*, 2025
**Farming Situation**: Rainfed Low & medium
**Farmers' Practice**: Broadcasting of rice seeds at 40% higher seed rate followed by ploughing the field with a bullock drawn plough or power tiller after 25-30 DAS in standing water

| SL. No | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | **Rice** | 2 ha | Mechanical dry sowing with seed cum fertilizer drill with a spacing of 20 cm (RR) with application of Penoxsulam + pendimethalin (RM) 625 g/ha as PE fb fenoxaprop ethyl 67g/ha + ethoxysulfuron 18 g/ha (TM) as PoE (25 DAS) | WCE, WI, Weed counts/$m^2$, yield, economics | | | | | | | | | | | | 10 |

**Extension activities under FLD on Rice**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on ICM in Direct seeded rice | 1 | F/FW | 1 | Off | | | | | | | | | 30 |

**FLD2: Demonstration on weed management in maize (Code: 25FAG12(K) )**

**Crop**: Maize

**Thrust Area**: Weed Management
**Thematic Area**: Weed management
**Season**: *Rabi* 2025-26
**Farming Situation**: Rainfed up land
**Farmers' Practice**: Hand weeding at 25 DAS

| | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 2 | **Maize** | 2 ha | Pre-emergence application of Pendimethalin@3300ml/ha fb post em Tembotrione@300 ml/ha at 25 DAS | WCE, WI, Weed counts/m2, No of cobs/pant, No of seeds/cob, yield, Economics | | | | | | | | | | | | 10 |

**Extension activities under FLD on Maize**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day weed management in Maize | 1 | Farmer/FW | 1 | Off | | | | | | | | | 30 |

**FLD3: Demonstration on integrated nutrient management in Sunflower (Code: 24FAG19(R))**

**Crop**: Sunflower
**Thrust Area**: Nutrient Management
**Thematic Area**: INM
**Season**: *Rabi*-2025-26
**Farming Situation**: Rainfed up & Medium land
**Farmers Practice**: Improper use of fertilizer

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 3 | Sunflower | 2.0 ha | STB fertiliser application (RDF: 60-80-60 kg N: $P_2O_5$: $K_2O$/ha) + $ZnSO_4$ @ 25 kg/ha + Borax @10 kg/ha + Biofertilizer (Azotobacter +Azospirillum + PSB 1:1:1 @4 kg /ha each) incubated with FYM for 7 days/ha at 20 DAS | Plant height, head size, filled seeds/head, test weight, seed yield and oil yield, pH, Ec, OC, Seed yield and oil yield | Micronutrient & biofertilizer | | | | | | | | | | | 10 |

**Extension and Training activities under FLD on Tomato**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on | 1 | Farmer/FW | 1 | Off | | | | | | | | | 30 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | sunflower | | | | | | | | | | | | | |

**FLD4: Demonstration on groundnut HYV "Kalinga groundnut-101" (Code: 23FAG14(K/R))**

**Crop**: Groundnut
**Thrust Area**: Varietal Substitution
**Thematic Area**: Varietal Substitution
**Season**: *Rabi* 2025-26
**Farming Situation**: Rainfed Medium & upland
**Farmers' Practice:** Use of variety Smruti

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 4 | Groundnut | 1.0 | Cultivation of groundnut HYV "Kalinga ground nut-101" | Plant height, No of leafs/plant No. of pods/plant, Yield and BC ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on Groundnut hybrid "Kalinga ground nut-101" | 1 | F/FW | 1 | Off | | | | | | | | | 50 |

**FLD 5:** Demonstration on Polythene mulching in chilli **(**24FHO13 (R)*

**Crop**: **Chilli**

**Thrust Area**: vegetable production

**Thematic Area**: ICM

**Season**: *Rabi*, 2025

**Farming Situation**: Irrigated upland

**Farmers' Practice:** No mulching

| SL. No | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Chilli | 0.5 | Application of 50 micron plastic mulch at the time of transplanting in ridge and furrow system along with RDF 150-60-90 kg NPK/ha. | No. of fruits /plant, Yield of Fruits/plant Yield (q/ha), B:C ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD on Chilli**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on chilli | 1 | Farmer/ FW | 1 | Off | | | | | | | | | 50 |
| Farmer's training | Agro-technique for chilli cultivation | 1 | Farmer/ FW | 1 | Off | | | | | | | | | 25 |

**FLD 6: Demonstration on weed management in tomato (Code:** 25FHO01 (R)

**Crop**: **Tomato**

**Thrust Area**: Vegetable cultivation

**Thematic Area**: Weed management

**Season**: *Rabi*, 2025

**Farming Situation**: Irrigated up land

**Farmers' Practice:** Manual weeding

| | **Crop & variety / Enterprises** | **Proposed Area (ha)/ Unit (No.)** | **Technology package for demonstration** | **Parameter (Data) in relation to technology demonstrated** | **Cost of Cultivation (Rs.)** | | | **No. of farmers / demonstration** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Name of Inputs** | **Demo** | **Local** | **SC** | | **ST** | | **Other** | | **Total** | | |
| | | | | | | | | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| 2 | Tomato | 1 ha | Pre emergence application of Metribuzin (70%WP) 750 g/ha followed by one hand weeding on30 Days after transplanting | Weed count Weed control index Yield (q/ha), B:C ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD on Tomato**

| **Activity** | **Title of Activity** | **No.** | **Clientele** | **Duration** | **Venue On/Off** | **No. of Participants** | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | **SC** | | **ST** | | **Other** | | **Total** | | |
| | | | | | | **M** | **F** | **M** | **F** | **M** | **F** | **M** | **F** | **T** |
| Field day | Field day on tomato | 1 | Farmer/FW | 1 | Off | | | | | | | | | 50 |
| Farmer's training | Argo-technique for tomato cultivation | 1 | Farmer/FW | 1 | Off | | | | | | | | | 30 |

**FLD 7: Demonstration on nutrient management in potato (Code:** 25FHO02 (R)

**Crop**: **Potato**

**Thrust Area**: vegetable production
**Thematic Area**: INM
**Season**: *Rabi*-2025
**Farming Situation**: Irrigated up land
**Farmers' Practice:** Application of NPK fertilizer @100-60-60 per ha

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 3 | Potato | 1.0 ha | Application of Calcium Sulphate @ 25 kg/ha as basal along with recommended fertilizers (120-80-100 kg N-$P_2O_5$-$K_2O$) Kg/ha | No of tuber/plant<br>Yield of tuber/plant<br>Yield (q/ha), B:C ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD on Potato**

| Activity | Title of activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on potato | 1 | Farmer/FW | 1 | Off | | | | | | | | | 50 |
| Farmer's training | Package of practices of potato | 1 | Farmer/FW | 1 | Off | | | | | | | | | 30 |

**FLD 8: Demonstration on Foliar application of micro-nutrients in Bitter gourd (Code: 25FHO05(K/R)**

**Crop**: **Bitter gourd**
**Thrust Area**: vegetable cultivation
**Thematic Area**: INM
**Season**: *Rabi*, 2025
**Farming Situation**: Irrigated upland
**Farmers' Practice:** Application of NPK @ 60-30-30/ha

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 4 | **Bitter gourd** | 1.0 | Foliar application of mixture of micro-nutrients involving Zn, Mo, Cu, Fe & Mn (100ppm each) | No. of fruits /plant,<br>Fruit weight<br>Yield, B:C Ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Field day on Bitter gourd | 1 | F/FW | 1 | Off | | | | | | | | | 50 |
| Farmer's training | Package of practices for Bitter gourd cultivation | 1 | F/FW | 1 | Off | | | | | | | | | 30 |

**FLD9: Demonstration on integrated management of thrips and mite in Chilli (Code:24FPP22(K/R))**

**Crop**: Chilli

**Thrust Area**: To reduce the pest infestation

**Thematic Area**: IPM

**Season**: Rabi, 2024-25

**Farming Situation**: Rainfed medium land

**Farmers Practice**: Application of diamethoate @ 2ml/l

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Chilli | 10<br><br>1 ha | Soil application of Neem cake @ 2.5 q/ha, installation of blue sticky traps @ 50 nos/ha at 25 DAT, alternate application of Difenthiuron 50WP @ 625 g/ha and Spiromesifen 240 SC @ 500 ml/ha at 10 days interval starting from 30 DAT | Mean population of mites & thrips/ 3 leaves, Infested plants/10 $m^2$, Cost of intervention, Yield, ICBR | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Integratedmanagement of thrips and mite in Chilli | 1 | F&FW | 01 | Off | | | | | | | | | 50 |

**FLD10: Demonstration on integrated management of fruit fly in Bitter gourd (Code:24FPP25(R))**

**Crop**: Bitter gourd

**Thrust Area**: To reduce yield loss due to vine rot

**Thematic Area**: IDM

**Season**: Rabi 2024-25

**Farming Situation**: Low land irrigated

**Farmers Practice**: Profenofos + cypermethrin @ 2ml/l

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Bitter gourd | 0.4ha<br><br>(10) | Food Bait (*Mixture of cucumber fruit pulp 100 g + 100 ml cow urine + 100 g jaggery + 0.5 l water kept for overnight and diluted in 15 l water*) to be placed 5 times at weekly interval from initiation of fruiting, installation of Pheromone | No. of infested fruits/plant, Cost of intervention, Yield, ICBR | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | traps @ 25/ha at 30 DAG followed by spraying of Spinosad 45 SC @ 200 ml/ha thrice at 15 days interval from initiation of flowering | | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Management of vine rot in betel vine | 1 | 01 | off | June | | | | | | | | | 25 |

## FLD11 : Demonstration in management of sheath blight in rice (Code: 24FPP03(K))

**Crop**: Rice

**Thrust Area**: To reduce yield loss due to sheath blight

**Thematic Area**: IDM

**Season**: Kharif 2024

**Farming Situation**: Low land irrigated

**Farmers Practice**: Spraying of copper oxychloride @ 2.5 g/lit for management of sheath blight

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Rice | | Spraying of the combination fungicide Azoxystrobin 18.2 % + Difenconazole 11.4 % @ 1ml/lit twice at 15 days interval starting from initiation of the infection | Disease incidence %,<br><br>Yield (q/ha), B:C ratio | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Management of sheath blight in rice | 1 | 01 | off | Sept | | | | | | | | | 25 |

## FLD12 : Demonstration on integrated management of leaf miner in tomato (Code: 23FPP23(R))

**Crop**: Tomato

**Thrust Area**: To reduce yield loss due to leaf miner

**Thematic Area**: IPM

**Season**: Rabi 2024-25

**Farming Situation**: Low land irrigated

**Farmers Practice**: Application of chlropyriphous @2ml/l

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Tomato | | Soil application of neem cake @ 250kg/ha, alternate application of neem-based | | | | | | | | | | | | | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | formulation 1500 ppm @ 2.5lit/ha and Spinetoram @ 400 ml/ha | | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Management of leaf miner in tomato | 1 | 01 | off | Oct | | | | | | | | | 25 |

**FLD13: Demonstration of Tractor drawn rice straw Balers (Code:24FAE09(R)*)**

**Crop**: Rice

**Thrust Area**: Far

**Thematic Area**: Farm mechanization

**Season**: Rabi, 2025-26

**Farming Situation**: Rainfed Lowland

**Farmers Practice**- Burning of straw in the field

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Pointed gourd | 1ha | Demo - Tractor drawn Rice straw Round Baler | Field capacity (ha/h), Baling capacity (No. of bales/h) , Time taken per bale, Cost of baling operation(Rs) per bale | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Farm Mechanization | Operation & maintenance of Tractor drawn Rice straw Round Baler | 1 | 01 | off | February | | | | | | | | | 30 |
| Field day | Tractor drawn Rice straw Round Baler | 1 | F&FW | 01 | Off | | | | | | | | | 50 |

**FLD14: Demonstration of Power operated Coconut dehusker (Code:24FAE04(K))**

**Crop**: Coconut

**Thrust Area**: Post harvesting management of coconut

**Thematic Area**: Farm Mechanization

**Season**: Kharif, 2024

**Farming Situation**: Irrigated upland

**Farmers Practice**: Manual dehusking by billhook

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | Name of Inputs | Demo | Local | M | F | M | F | M | F | M | F | T |
| 1 | Coconut | 1.0ha | 5hp electric motor is fitted to dehusk the coconut | Dehusking efficiency, time requirement , cost of dehusking, working capacity | | | | | | | | | | | | 5 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Training on operation of Power operated Coconut | 1 | F&FW | 1 | Off | | | | | | | | | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | dehusker | | | | | | | | | | | | | |
| Field day | Demonstration of Power operated Coconut dehusker | 1 | F&FW | 1 | Off | | | | | | | | | 50 |

**FLD15: Demonstration of drip irrigation with mulching in Tomato (Code: 24FAE02(R))**

**Crop**: Tomato

**Thrust Area**: Enhancement of yield & WUE

**Thematic Area**: Micro Irrigation

**Season**: Rabi, 2024-25

**Farming Situation**: Irrigated medium land

**Farmers Practice**-No mulching with furrow irrigation

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | Name of Inputs | Demo | Local | M | F | M | F | M | F | M | F | T |
| 1 | Tomato | 0.4ha | Use of 50 micron mulch film with inline drip irrigation (emitter discharge 2lph) operating for 1hr -2hr daily and Water use efficiency will be increased by 30-40%, yield enhancement (15-20)% | Irrigation interval, weeding cost, Irrigation water used (mm) | | | | | | | | | | | | 2 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | Micro Irrigation system management | 1 | F&FW | 1 | Off | | | | | | | | | 25 |

**FLD16: Demonstration of Tractor drawn multi crop Seed cum fertilizer drill for sowing of groundnut (Code: 23FAE16(R))**

**Crop**: Groundnut

**Thrust Area**: Popularization of tractor drawn seed cum fertilizer drill for maintaining optimum plant population

**Thematic Area**: Farm Mechanization

**Season**: Rabi, 2024-25

**Farming Situation**: Rainfed lowland

**Farmer Practice**: Sowing of Groundnut behind the bullock drawn plough

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Groundnut | 2.0ha | Use of Tractor drawn 9-row Seed cum fertilizer drill for sowing of Groundnut. | Yield, Labour saving, Plant population per sq.m, Net return, B:C Ratio | | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Operation and maintenance of Seed cum fertilizer drill for sowing groundnut | 1 | F/FW | 1 | off | | | | | | | | | 25 |

**FLD17: Demonstration of bio-fortified sweet potato variety Bhu Sona for nutritional security of farm family (Code: 23FHS16(K)*)**

**Crop**: Sweet Potato

**Thrust Area**: Vegetable production

**Thematic Area**: Nutritional Security

**Season**: Kharif

**Farming Situation**: Homestead

**Farmer Practice**: Local Variety

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Sweet Potato | 0.2 | Cultivation of bio-fortified sweet potato variety Bhu Sona | Yield, Net Income, BC ratio, Sensory evaluation | Sweet Potato seedlings | | | | | | | | | 0 | 10 | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field Day | Field Day on Cultivation of bio-fortified sweet potato variety Bhu Sona | 1 | F&FW | 01 | Off | | | | | | | | | 40 |
| Training | Cultivation of bio-fortified sweet potato variety Bhu Sona | 1 | F&FW | 01 | Off | | | | | | | | | 30 |

## FLD18: Demonstration on comb honey production technology in Asian bee for income generation of farmwomen (Code: 24FHS02(K/R))

**Enterprise**: Honey Bee-*Apis cerena indica*

**Thrust Area**: To emphasize on entrepreneurship development

**Thematic Area**: Income generation

**Season**: Rabi

**Farming Situation**: Homestead

**Farmers' Practice:** Honey production by manual extraction

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Honey Bee | 10 | Selection area for comb honey production, maintenance of young prolific queen with populous colony in a hive with ISI specification particularly w.r.t bee space, training and stimulating the bees to construct new natural combs, fixing new comb in comb honey production frame and fixing it with wooden or plastic ISI specified frame size (208X65X23 mm), collection of comb honey | Honey yield (g/comb), No. of comb honey/hive, Duration of comb sealed cent percent honey (Days) | Plastic frames for comb honey | | | | | | | | | 5 | 5 | 10 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | frames when sealed cent percent in super chamber. | | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field Day | Field day on comb honey production technology in Asian bee | 1 | F&FW | 01 | Off | | | | | | | | | 50 |
| Training | Scientific Honey Bee rearing | 1 | RY | 02 | On | | | | | | | | | 20 |

**FLD19:** Demonstration of the Ganga Ma Mandal Nutri-garden Model for Household Nutritional Security.

**Crop**: Fruits & Vegetables

**Thrust Area**: Varietal substitution for better yield

**Thematic Area**: Nutritional Security

**Season**: Round the year

**Farming Situation**: Irrigated medium land

**Farmers' Practice:** Traditional kitchen garden (6-7 crops in a haphazard manner)

| Sl. No. | Crop & variety / | Proposed Area | Technology package for | Parameter (Data) in | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of | Demo | Local | SC | ST | Other | Total |

| | Enterprises | (ha)/ Unit (No.) | demonstration | relation to technology demonstrated | Inputs | | | M | F | M | F | M | F | M | F | T |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 1 | Fruits & Vegetables | 05/0.4 | RP: The Ganga Ma Mandal Model is a circular garden layout covering less than 800 sq. ft. with a 30-foot diameter, divided into four concentric rings separated by 1.5-foot-wide walkways for easy access. At the center is a 3-foot-wide, 2-foot-deep compost pit for recycling organic waste. Tall and vine crops like banana, papaya, and bottle gourd are planted along the outer ring, while inner rings host a mix of seasonal vegetables and leafy greens. This design maximizes space, supports year-round cultivation, and | Average consumption of vegetables (g/member/day), Nutritional availability/member/day, Average total Production (Kg), Additional Income (Rs.), B:C ratio | Seedlings, Seeds | | | | | | | | | | | 05 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | promotes soil health through integrated composting. | | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field Day | Field day on Organic Nutritional garden | 1 | F&FW | 01 | Off | | | | | | | | | 40 |
| Training | Training on Layout and planning of Ganga Ma Mandal Organic Nutritional Garden | 1 | F&FW | 01 | Off | | | | | | | | | 30 |

**FLD20: Demonstration on poultry breed Kalinga Pallishree in backyard (Code: 23FAS01(R)*)**

**Breed**: **Poultry- Kalinga Pallishree**
**Thrust Area**: To emphasize on entrepreneurship development
**Thematic Area**: Income generation
**Season**: Round the year
**Farming Situation**: Semi intensive poultry farming. Backyard, Free ranging
**Farmers' Practice:** Rearing of Vana raja breed without proper management

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Poultry | 10<br><br>(1000 chicks) | RP-Rearing of Kalinga Pallishree chicken breed with proper brooding management | Average Body weight in 6months in (Kg), No. of egg, chicks' mortality | Poultry Chick, feed | | | | | | | | | 0 | 10 | 10 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | for 21 days followed by free range feeding | | | | | | | | | | | | | |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field Day | Field Day on Backyard poultry management | 1 | F&FW | 01 | Off | | | | | | | | | 40 |
| Training | Semi-intensive backyard Poultry management | 1 | F&FW | 01 | Off | | | | | | | | | 30 |

**FLD21: Demonstration of mixed carp stunted fingerlings production in biofloc culture system (Code: 23FFS11(K))**

**Crop**: Fish

**Thrust Area**: To cater the bigger size mixed carp seed demand for composite carp culture

**Thematic Area**: Biofloc culture

**Season**: Round the year

**Farming Situation**: 10 Ton tanks cement concrete/ plastic tarpaulin outdoor installed with agro shade net house

**Farmers' Practice:** Production of air-breathing fishes in biofloc

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Fish seed | 05 units | Rearing of IMC stunted fingerlings/ yearlings in bifloc fish farmingt | Survival rate (%), Growth rate, disease incidence (%) | Fish advance fry/early fingerling | | | | | | | | | | | 05 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Package of practices of biofloc fish farming | 1 | F&FW | 01 | Off | | | | | | | | | 25 |
| Field day | IMC fingerlings raising in BFTs | 1 | F&FW | 01 | Off | | | | | | | | | 50 |

**FLD22: Demonstration of Genetically Improved (GI) catla in composite carp culture (Code:23FFS09 (K))**

**Crop**: Fish

**Thrust Area**: To maximize yield by substituting traditional catla with GI catla

**Thematic Area**: Species diversification

**Season**: Round the year

**Farming Situation**: Small to medium size pond, rainfed/canalfed sandy loam soil

**Farmers' Practice:** Culture of traditional catla in composite carp culture with species ratio :- Traditional-Catla: Rohu: Mrigal:3:4:3 @ 10000 nos/ha

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Fish<br><br>(Fishery) | 6.0 ha,<br><br>20 units | Incorporation of GI-catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal::3:4:3 @ 10000 nos/ha. | Length & Weight,<br><br>FCR, Growth rate,<br><br>Plankton density, BC ratio | GI catla fingerlings | | | | | | | | | | | 20 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | Demonstration of Genetically Improved (GI) catlain composite carp culture | 1 | F&FW | 01 | Off | | | | | | | | | 25 |

**FLD23: Demonstration of CIFA- carp grower fish feed (Code: 23FFS21 (R)*)**

**Crop**: Fish

**Thrust Area**: Proper nutrition of fish for maximizing fish yield

**Thematic Area**: Production and management

**Season**: Round the year

**Farming Situation**: Irrigated low land

**Farmers' Practice:** Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily)

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | Name of Inputs | Demo | Local | M | F | M | F | M | F | M | F | T |
| 1 | Fish | 2.0ha | Use of cost-effective CIFA-carp grower floating fish feed (1-3% of biomass daily) | Survivability (%), SGR, ABW during harvest, FCR, Yield (q/ha), Net return(Rs.), BC ratio | CIFA carp grower fish feed | | | | | | | | | | | 5 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Supplementary feed management in fish ponds | 1 | F&FW | 01 | Off | | | | | | | | | 25 |
| Training | Pre & post-stocking management of | 1 | F&FW | 01 | Off | | | | | | | | | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | nursery and grow-out ponds | | | | | | | | | | | | | |
| Field day | Use of CIFA- carp grower feed in fish ponds | 1 | F&FW | 01 | Off | | | | | | | | | 50 |

**FLD24: Demonstration of GI Scampi in carp poly-culture system (Code: 24FFS01(K))**

**Crop**: Fish& Scampi

**Thrust Area**: To maximize yield by system diversification

**Thematic Area**: Production and management

**Season**: Round the year

**Farming Situation**: Small to medium tanks, Alluvial, Rain/ canal fed

**Farmers' Practice:** Use of traditional prawn seeds (maximum from wild collection) in carp polyculture system with stocking density Catla:Rohu:Prawn PLs::3000:4000:10000

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | Name of Inputs | Demo | Local | M | F | M | F | M | F | M | F | T |
| 1 | Fish & Prawn | 2.0 ha, | Use of GI prawn seeds in carp polyculture system with stocking density Catla:Rohu:GI Prawn PLs::3000:4000:10000 | Survivability (%), SGR, ABW during harvest, Yield (q/ha), Net return(Rs.), BC ratio | Seeds of GI scampi | | | | | | | | | | | 5 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | Carp poly culture with GI Scampi | 1 | F&FW | 01 | Off | | | | | | | | | 25 |
| Field day | Use of GI Scampi in carp poly-culture system | 1 | F&FW | 01 | Off | | | | | | | | | 50 |

**5. a) Seed and planting material production by utilization of instructional farm (Crops / Enterprises)**

| Name of the Crop / Enterprise | Variety / Type | Period From 2024-24 | Area (ha.) | Details of Production | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Type of Produce | Expected Production (quintals) | Cost of inputs (Rs.) | Expected Gross income(Rs.) | Expected Net Income (Rs.) |
| Paddy | Kalachampa (F) | June-Jan | 10.6 ha | Seed | 450 | | | |
| Papaya | Ranchi dwarf/Honeydew/Lunar | July-Sept | 41.8 $m^2$ | Seedling | 5000 nos. | | | |
| Cauliflower | Barkha | Sept-Nov | | Seedling | 8000 nos. | | | |
| Cabbage | Saint | Sept-Nov | | Seedling | 8000 nos | | | |
| Brinjal | Akshita/JK 8021 | Aug-Feb | | Seedling | 20000 nos | | | |
| Marigold | Seracole | Sept-Feb | | Seedling | 15000 nos | | | |
| Broccoli | Aiswara | Sept-Feb | | Seedling | 4000 nos | | | |
| Red cabbage | NS-1456/ NS-1460 | Sept-Feb | | Seedling | 500 nos | | | |
| Capsicum | Indra | Sept-Feb | | Seedling | 6000 nos | | | |
| Chilli | Arka Harita | Sept-Feb | | Seedling | 10000 nos | | | |
| Tomato | Arkarakshak/ Laxmi | Sept-Feb | | Seedling | 17000 nos | | | |
| Drumstick | ODC-3/PKM-1 | Sept-Feb | | Seedling | 5000 nos. | | | |
| Fish fingerling | IMC | April-Dec. 2024 | | Stunted Fingerlings & yearlings | 300000 nos. | | | |
| Ornamental fish | Japanese Koi carps & Gold fish | April-Dec. 2024 | 3 tanks | Fry & Fingerlings of ornamental fish | 5,000 nos | | | |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| Poultry Unit | Duck (var- Khaki Campbell)<br>Poultry (Var-Kalinga Pallishree)<br>Japanese Quail | Jan-Dec | 12 nos<br><br>50 nos. | Eggs<br><br>21 days chicks | 500 nos.<br><br>500 nos. | | | |
| Vermicompost | - | April-March | Tank -6ft<br><br>Tank -4ft | Compost | 10 q | | | |
| Vermiculture | *E. foetida* | April-March | | Culture | 15 kg | | | |
| Paddy straw mushroom (kg) | *V.volvacea* | June-Oct | 150 Beds | Mushroom | 1.5 q | | | |
| Oyster mushroom (kg) | *P. sajarcaju/ Hypsizygous ulimarus* | Nov-Feb | 100 Bags | Mushroom | 1.5 q | | | |
| Honey (Kg)/ Colony (Nos.) | *Apis cerena indica* | April-March | 10 boxes | Honey<br><br>Bee colony | 10 kg<br><br>5 no. | | | |
| Pineapple | Queen | April-March | - | Pineapple Suckers | 2000 nos. | | | |

**b) Village Seed Production Programme**

| **Name of the Crop / Enterprise** | **Variety / Type** | **Period From…… … to ……..** | **Area (ha.)** | **No. of farmers** | **Details of Production** | | | | |
|---|---|---|---|---|---|---|---|---|---|
| | | | | | **Type of Produce** | **Expected Production(q)** | **Cost of inputs (Rs.)** | **Expected Gross income (Rs.)** | **Expected Net Income (Rs.)** |
| | | | | | | | | | |

**6. Extension Activities**

| **Sl. No.** | **Activities/ Sub-activities** | **No. of activities proposed** | **Farmers** | | | | **Extension Officials** | | | **Total** | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | **M** | **F** | **T** | **SC/ ST (% of total)** | **Male** | **Female** | **Total** | **Male** | **Female** | **Total** |
| 1 | Field Day | 22 | | | | | | | | | | 1210 |
| 2 | KisanMela | 2 | | | | | | | | | | 1000 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 3 | KisanGhosthi | 1 | | | | | | | | | | 50 |
| 4 | Exhibition | 5 | | | | | | | | | | 1000 |
| 5 | Film Show | 22 | | | | | | | | | | 800 |
| 6 | Method Demonstrations | 8 | | | | | | | | | | 160 |
| 7 | Farmers Seminar | 2 | | | | | | | | | | 60 |
| 8 | Workshop | 2 | | | | | | | | | | 100 |
| 9 | Group meetings | 6 | | | | | | | | | | 180 |
| 10 | Lectures delivered as resource persons | 16 | | | | | | | | | | 480 |
| 11 | Advisory Services | 250 | | | | | | | | | | 620 |
| 12 | Scientific visit to farmers field | 120 | | | | | | | | | | 280 |
| 13 | Farmers visit to KVK | 1 | | | | | | | | | | 1700 |
| 14 | Diagnostic visits | 56 | | | | | | | | | | 550 |
| 15 | Exposure visits | 5 | | | | | | | | | | 150 |
| 16 | Ex-trainees Sammelan | 1 | | | | | | | | | | 30 |
| 17 | Soil health Camp | 2 | | | | | | | | | | 100 |
| 18 | Animal Health Camp | 2 | | | | | | | | | | 100 |
| 19 | Agri mobile clinic | 1 | | | | | | | | | | 60 |
| 20 | Soil test campaigns | 1 | | | | | | | | | | 60 |
| 21 | Farm Science Club Conveners meet | 1 | | | | | | | | | | 30 |
| 22 | Self Help Group Conveners meetings | 2 | | | | | | | | | | 60 |
| 23 | Mahila Mandals Conveners meetings | 1 | | | | | | | | | | 20 |
| 24 | Celebration of important days (specify) | 7 | | | | | | | | | | 350 |
| 25 | Swatchta Hi Sewa | 5 | | | | | | | | | | 80 |
| 26 | Mahila Kisan Diwas | 1 | | | | | | | | | | 30 |
| 27 | Any Other (Specify) | | | | | | | | | | | |
| | **Total** | **327** | | | | | | | | | | 9260 |

### 7. Revolving Fund (in Rs.)

| Opening balance of 2025-26 (As on 01.04.2025) | Amount proposed to be invested during 2025-26 | Expected Return |
|---|---|---|
| **289481** | **1200000** | **2000000** |

### 8. Expected fund from other sources and its proposed utilization- NA

| Project | Source | Amount to be received (Rs. in lakh) |
|---|---|---|
| | | |

### 9. On-farm trials to be conducted*

**OFT-1(Agronomy)**

| | | | |
|---|---|---|---|
| | **Season** | **:** | *Rabi*, 2025 |
| **i** | **Title of the OFT** | **:** | Assessment of natural farming practices in vegetable crops **(Code:** 25OAG10 (KRS) ) |
| **ii** | **Thematic Area** | **:** | Natural farming |
| **iv** | **Problem diagnosed** | **:** | Low income due to high cost of cultivation |
| **v** | **Production system** | **:** | Rice -vegetable |
| **v** | **Micro farming situation** | **:** | Irrigated up land |
| **vi** | **Technology for Testing** | **:** | Natural Farming Model in vegetable crops |
| **vii** | **Existing Practice** | **:** | Okra sole crop with conventional PoP |
| **ix** | **Objective(s)** | **:** | To evaluate suitable Natutal Farming model |
| **x** | **Treatments** | **:** | **FP:** Okra sole crop with conventional PoP<br>**$TO_1$:** Okra + Cowpea (1:1) + Seed treatment with beejamrita 200 ml/kg seeds. Ghanjeevamrit 400 kg/acre 2 times 200 kg during sowing and 45 DAS (Placements)+ Application of Dhravajeevamrit, Soil application 3 times @200 l/acre each at 30, 60 and 90 DAS and foliar spray 4 times at 15,45,75, and 105 DAS @ 10% spray. Marigold as border crop, spraying Neemastra and Agniastra @ 5l in 200l of water at 10 days interval alternatively. Spraying of sour butter milk @ 6L in 100 L of water on incidence of diseases. (**AP Natural farming model**)<br>**$TO_2$:** Okra + Cluster bean (1:1)+ Green manuring through Dhaincha. Seed treatment with beejamrita 200 ml/kg of seeds for 7 hrs . Application of FYM 200 kg/acre + Ghanjeevamrit 25 kg/acre during sowing + Application of jeevamrit Soil application 6 times @200 l each at 15 days interval after sowing along with irrigation water. 10 % desi cow urine spray if leaf turns yellow. 6 foliar spray of Jeevamrit @ 5 % at 20 days interval from sowing of main crop growing of trap crops marigold as border crop. Spraying Neemastra and Bhrahamstra @ 3 l in 100 l of water at 10 days interval alternatively. Spraying of sour butter milk @ 3l in 100 l of water on incidence of diseases. (**Gujarat Natural farming**) |
| **x** | **Critical Inputs** | **:** | Vegetable seeds and natural farming inputs |
| **xi** | **Unit Size (ha)** | **:** | 0.1ha |
| **xii** | **No of Replications** | **:** | 7 |
| **xiv** | **Unit Cost (Rs)** | **:** | 3000 |
| **xv** | **Total Cost (Rs)** | **:** | 21000 |
| **xv** | **Monitoring Indicator** | **:** | Sole crop and intercrop yield, main crop equivalent yield, changes in soil fertility parameters, soil pH, microbial counts, economics |
| **xvi** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | MANAGE, 2025 |

**OFT- 2(Agronomy)**

| | | | |
|---|---|---|---|
| **i.** | **Season** | **:** | Rabi, 2025-26 |
| **ii.** | **Title of the OFT** | **:** | Assessment of high yielding varieties of greengram under rice-greengram cropping system (Code-25OAG6 (R) ) |
| **iii.** | **Thematic Area** | **:** | Varietal evaluation |
| **iv.** | **Problem diagnosed** | **:** | Low yield due to unavailability of suitable varieties |
| **v.** | **Production system** | **:** | Rice-Pulse |
| **vi.** | **Micro farming situation** | **:** | Medium land/upland |
| **vii.** | **Technology for Testing** | **:** | Varietal evaluation |
| **viii.** | **Existing Practice** | **:** | IPM 2-14/chaiti muga |
| **ix.** | **Objective(s)** | **:** | To evaluate suitable YMV resistant variety |
| **x.** | **Treatments** | **:** | **FP:** IPM 2-14/chaiti muga<br>**$TO_1$:** IPM 312-20 (Vasudha)<br>**TO2:** OUAT Kalinga Greengram-1 (Shreejan) |
| **xi.** | **Critical Inputs** | **:** | Seed |
| **xii.** | **Unit Size (ha)** | **:** | 0.2 |
| **xiii.** | **No of Replications** | **:** | **7** |
| **xiv.** | **Unit Cost (Rs)** | **:** | 2000 |
| **xv.** | **Total Cost (Rs)** | **:** | 14000 |
| **xvi.** | **Monitoring Indicator** | **:** | No. of branches/plant, no. of pods/plant, no. of seeds/pod, seed yield, crop duration, nodules/plant, economics |
| **xvii.** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | $TO_1$ - IIPR, 2020<br>$TO_2$ - OUAT, 2023 |

**OFT-3 (Horticulture)**

| | | | |
|---|---|---|---|
| xviii | **Season** | : | *Rabi*, 2025(Year-I) |
| xix | **Title of the OFT** | : | **Assessment of INM practices in coconut (Code:** 25OHO04(R) |
| xx | **Thematic Area** | : | INM |
| xxi | **Problem diagnosed** | : | Low yield due to poor basin management of palm |
| xxii | **Production system** | : | Homestead |
| xxiii | **Micro farming situation** | : | Irrigated up land |
| xxiv | **Technology for Testing** | : | INM practices |
| xxv | **Existing Practice** | : | Application of FYM @ 25kg/palm |
| xxvi | **Objective(s)** | : | • To evaluate two different INM model on nut yield<br>• To evaluate effect of micronutrient on nut yield<br>• To evaluate effect of biofertiliser on nut yield |
| xxvii | **Treatments** | : | **FP:** Manual weeding<br>**$TO_1$**-Application of 75 % of recommended NPK coupled with organic biomass recycling with vermicompost<br>**$TO_2$-** Nutrient Management with CaSO4 @ 1 kg and MgSO4 @ 500 g/palm per year + Micronutrient mixture @ 1 kg/palm/year + Azospirillum@ 100 g + Phosphobacteria @100 g + VAM@100 g/palm/year with 75% of recommended NPK |
| xviii | **Critical Inputs** | : | Gypsum, Biofertiliser, |
| xxix | **Unit Size (ha)** | : | 0.05 ha |
| xxx | **No of Replications** | : | 7 |
| xxxi | **Unit Cost (Rs)** | : | 2500 |
| xxii | **Total Cost (Rs)** | : | 17500 |
| xxiii | **Monitoring Indicator** | : | No. of functional leaves, Nuts/palm, Nut weight Yield (q/ha), B:C ratio |
| xxiv | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | : | AICRP on Palm, OUAT, 2018<br>ICAR- CPCRI,2023 |

**OFT- 4 (Horticulture)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | *Kharif, 2025*(Year-II) |
| **ii** | **Title of the OFT** | **:** | **Assessment of INM practices in Banana (Code: 24OSS08(K/R))** |
| **iii** | **Thematic Area** | **:** | INM |
| **iv** | **Problem diagnosed** | **:** | Low yield due to improper nutrient management |
| **v** | **Production system** | **:** | Fruit cultivation |
| **vi** | **Micro farming situation** | **:** | Irrigated upland |
| **vii** | **Technology for Testing** | **:** | INM practices in Banana |
| **viii** | **Existing Practice** | **:** | Application of fertilizer @ 200:100:100 g NPK/plant |
| **ix** | **Objective(s)** | **:** | • To assess INM practices for higher yield<br>• To assess INM practices suitable for saline soil condition |
| **x** | **Treatments** | : | **FP:** Application of fertilizer @ 200:100:100 g NPK/plant<br>**$TO_1$:** Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor, Azospirillum& PSB (incubated in FYM) per plant<br>**$TO_2$:** Application of gypsum 1 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K per plant<br>**$TO_3$-** Foliar spray of 1% Powder Banana Shakti (BS-P) at 3,4,5,6,and 7 month after planting |
| **xi** | **Critical Inputs** | **:** | Gypsum, Bio fertilizer and fertilizer |
| **xii** | **Unit Size (ha)** | **:** | 0.05 ha |
| **xiii** | **No of Replications** | **:** | 7 |
| **xiv** | **Unit Cost (Rs)** | **:** | 2500 |
| **xv** | **Total Cost (Rs)** | **:** | 17500 |
| **xvi** | **Monitoring Indicator** | **:** | No. of fingers/Bunch, Bunch Weight(kg), Yield q/ha, Economics |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | OUAT Annual Report, 2014-15<br>NRC Banana, 2013-14<br>NRCB, Trichy 2024 |

**OFT-5(Plant Protection)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Kharif, 2025 |
| **ii** | **Title of the OFT** | **:** | **Assessment of management of yellow stem borer and leaf folder in rice (Code: 24OPP01(K))** |
| **iii** | **Thematic Area** | **:** | |
| **iv** | **Problem diagnosed** | **:** | |
| **v** | **Production system** | **:** | |
| **vi** | **Micro farming situation** | **:** | |
| **vii** | **Technology for Testing** | **:** | |
| **viii** | **Existing Practice** | **:** | |
| **ix** | **Objective(s)** | **:** | |
| **x** | **Treatments** | **:** | |
| **xi** | **Critical Inputs** | **:** | |
| **xii** | **Unit Size (ha)** | **:** | |
| **xiii** | **No of Replications** | **:** | |
| **xiv** | **Unit Cost (Rs)** | **:** | |
| **xv** | **Total Cost (Rs)** | **:** | |
| **xvi** | **Monitoring Indicator** | **:** | |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | |

**OFT-6(Plant Protection)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Rabi, 2025-26 |
| **ii** | **Title of the OFT** | **:** | **Assessment of Rhinoceros beetle management in Coconut (Code: 24OPP12(R))** |
| **iii** | **Thematic Area** | **:** | IPM |
| **iv** | **Problem diagnosed** | **:** | Low yield of quality nuts due to high infestation of Rhinoceros beetle, area affected – 2000ha, extent of fruit damage – 35 – 40% |
| **v** | **Production system** | **:** | Vegetable - vegetable |
| **vi** | **Micro farming situation** | **:** | |
| **vii** | **Technology for Testing** | **:** | Integrated management of Rhinoceros beetle in Coconut |
| **viii** | **Existing Practice** | **:** | Spraying of Chloropyriphos / Cypermethrin pesticides |
| **ix** | **Objective(s)** | **:** | To manage the Rhinoceros beetle |
| **x** | **Treatments** | **:** | **FP:** Spraying of Chloropyriphos / Cypermethrin pesticides<br>**$TO_1$:** Application of Carbofuran 3G @ 33 kg/ha in manure pits, use of iron hooks, twice application of Chlorantraniliprole 0.4G @ 5g mixed with sand (1:2) in three innermost leaves of the plant at 6 months interval, installation of Rhinolure @12nos./ha<br><br>**$TO_2$:** Spraying of 250 ml of Metarrhizium anisopliae culture + 750ml of water in manure pit, use of iron hooks. Soak castor cake 1 kg/5L of water in small mud pots to attract and kill the adults and application of Neem seed powder + sand (1:2) @150 g at the base of the three inner leaves of the plant |
| **xi** | **Critical Inputs** | **:** | |
| **xii** | **Unit Size (ha)** | **:** | 0.2ha |
| **xiii** | **No of Replications** | **:** | 5 |
| **xiv** | **Unit Cost (Rs)** | **:** | 1000 |
| **xv** | **Total Cost (Rs)** | **:** | 1500 |
| **xvi** | **Monitoring Indicator** | **:** | Pest incidence (%), Yield, ICBR |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | TO1-CPCRI, Kasaragod, 2016<br>TO2- TNAU, Coimbatore, 2017 |

**OFT- 7 (Agril. Engineering)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Kharif, 2025 |
| **ii** | **Title of the OFT** | **:** | **Assessment of various crop establishment methods in rice (Code: 24OAE08(K))** |
| **iii** | **Thematic Area** | **:** | Farm Mechanization |
| **iv** | **Problem diagnosed** | **:** | Manual random transplanting is a both labour and cost intensive process. Transplanted Paddy is very much affected by heavy rainfall / cyclone |
| **v** | **Production system** | **:** | Rice- Rice |
| **vi** | **Micro farming situation** | **:** | Rainfed Low land |
| **vii** | **Technology for Testing** | **:** | Tractor drawn 9-row DSR Seed cum fertilizer drill and Self propelled 8-row Rice Transplanter |
| **viii** | **Existing Practice** | **:** | Manual random transplanting |
| **ix** | **Objective(s)** | **:** | To enhance the yield by involving less labour and time. |
| **x** | **Treatments** | **:** | **FP:** Manual random transplanting<br>**$TO_1$:** Manual line transplanting with the help of rope<br>**$TO_2$:** Tractor drawn 9-row inclined plate planter for direct seeding of rice seeds<br>**$TO_3$:** Use of 8-row self-propelled tice transplanter |
| **xi** | **Critical Inputs** | **:** | |
| **xii** | **Unit Size (ha)** | **:** | 0.1 |
| **xiii** | **No of Replications** | **:** | 7 |
| **xiv** | **Unit Cost (Rs)** | **:** | 2500 |
| **xv** | **Total Cost (Rs)** | **:** | 17500 |
| **xvi** | **Monitoring Indicator** | **:** | Field capacity (ha/h), Labour requirement(MDs/ha), Cost of operation (Rs/ha), No of effective tillers / hill, No. of hills / sq.m |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | AICRP on FIM, OUAT, 2018 |

**OFT-8 (Agril. Engineering)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Kharif/Rabi, 2025 |
| **ii** | **Title of the OFT** | **:** | **Assessment of various types of manual Coconut tree climber** |
| **iii** | **Thematic Area** | **:** | Farm Mechanization |
| **iv** | **Problem diagnosed** | **:** | Climbing a Coconut tree is both a labour and cost-intensive process. The conventional climbing process has limitations that restrict the operation to only a certain number of skilled people. Most of the time, skilled Coconut Tree climbers are not available. |
| **v** | **Production system** | **:** | Coconut Orchard |
| **vi** | **Micro farming situation** | **:** | Rainfed Up Land |
| **vii** | **Technology for Testing** | **:** | Standing & sitting type coconut tree climber |
| **viii** | **Existing Practice** | **:** | Skilled coconut tree climber (local language called as "Malua") |
| **ix** | **Objective(s)** | **:** | To find out a suitable coconut tree climber for the ecosystem of Puri district |
| **x** | **Treatments** | **:** | **FP:** Skilled coconut tree climber (local language called as "Malua")<br>**$TO_1$:** Manual sitting type coconut tree climber (NIF, India)<br>**$TO_2$:** Standing type Coconut tree climber |
| **xi** | **Critical Inputs** | **:** | Standing & sitting type coconut tree climber |
| **xii** | **Unit Size (ha)** | **:** | - |
| **xiii** | **No of Replications** | **:** | 7 |
| **xiv** | **Unit Cost (Rs)** | **:** | |
| **xv** | **Total Cost (Rs)** | **:** | Rs 20000/- |
| **xvi** | **Monitoring Indicator** | **:** | Field capacity (No of trees/h), length of coconut tree that can be climbed,Time for climbing the tree (Seconds),Time for climbing down (Seconds),Total time consumed (seconds), Harvesting nuts (Nos/h), Cost of climbing (Rs/ tree) |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | TO1- NIF, India , 2024-25<br>TO2- CDB, Pitapalli, Khurda, 2014-15 |

**OFT-9 (Fishery)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Kharif – 2025 |
| **ii** | **Title of the OFT** | **:** | **Assessment of different intercropping modules in composite carp culture for maximizing fish yield (Code:23OFS03(K)*)** |
| **iii** | **Thematic Area** | **:** | Production and management |
| **iv** | **Problem diagnosed** | **:** | Low yield from composite carp culture |
| **v** | **Production system** | **:** | Pond based farming system |
| **vi** | **Micro farming situation** | **:** | Small to medium tanks, Alluvial, Rain/canal fed |
| **vii** | **Technology for Testing** | **:** | Intercropping with minor barbs & medium sized carps |
| **viii** | **Existing Practice** | **:** | Only three species composite carp culture |
| **ix** | **Objective(s)** | **:** | To assess maximum utilization of the untapped natural food resources available at different inter or sub-niches by foraging of minor barbs or medium size carps |
| **x** | **Treatments** | **:** | **FP:** Only three species composite carp culture<br>**$TO_1$:** Intercropping with minor barbs (Java Punti ) 20% extra along with 10,000 nos. of IMC<br>**$TO_2$:** Intercropping with medium size carps (Kuria rohu/Khursia rohu / Pengba) 10% extra along with 10,000 nos. of IMC |
| **xi** | **Critical Inputs** | **:** | Fingerlings of minor barbs and medium sized carps |
| **xii** | **Unit Size (ha)** | **:** | 0.4ha |
| **xiii** | **No of Replications** | **:** | 3 |
| **xiv** | **Unit Cost (Rs)** | **:** | 3000 |
| **xv** | **Total Cost (Rs)** | **:** | 18000 |
| **xvi** | **Monitoring Indicator** | **:** | Total yield (q/ha), Survivability(%), SGR, ABW during harvest, Additional income(Rs.), BC ratio |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | TO1- ICAR-CIFA, Bhubaneswar (2019)<br>TO2 – ICAR-CIFA, Bhubaneswarb(2019 & 2020 |

**OFT-10 (Fishery)**

| | | | |
|---|---|---|---|
| **i** | **Season** | **:** | Round the Year, 2025-26 |
| **ii** | **Title of the OFT** | **:** | **Assessment of different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice (Code:23OFS05(Y)*)** |
| **iii** | **Thematic Area** | **:** | Disease management |
| **iv** | **Problem diagnosed** | **:** | Low yield from composite carp culture due to frequent infestation of *Lernaea* & *Argulus* on body surface of carps |
| **v** | **Production system** | **:** | Pond based |
| **vi** | **Micro farming situation** | **:** | Small to medium tanks, Alluvial, Rain/ canal fed |
| **vii** | **Technology for Testing** | **:** | Use of different ICAR developed anti-ectoparasitic formulations to eradicate Anchor worm & carp lice |
| **viii** | **Existing Practice** | **:** | Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm |
| **ix** | **Objective(s)** | **:** | To assess the different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice |
| **x** | **Treatments** | **:** | **FP:** Use of only inorganic pyrethroids like Cypermethrin 10% EC/ Deltamethrin 2.8% EC@ 0.01 ppm<br>**$TO_1$:** Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days<br>**$TO_2$:** Application of CIFRI- Argcure (DANAV / TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals<br>TO3: Application of CIFA – M–check first & then after 4-5 hours application of L-check @ Each at a same dose of 400 ml / acre-m / dose |
| **xi** | **Critical Inputs** | **:** | ICAR developed medications |
| **xii** | **Unit Size (ha)** | **:** | 0.4ha |
| **xiii** | **No of Replications** | **:** | 8 |
| **xiv** | **Unit Cost (Rs)** | **:** | 1200 |
| **xv** | **Total Cost (Rs)** | **:** | 9600 |
| **xvi** | **Monitoring Indicator** | **:** | Disease incidence (%), Survivability(%), SGR, ABW during harvest, Cost saving (Rs.), BC ratio |
| **xvii** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | TO1-**:** ICAR-CIFA, Bhubaneswar (2015)<br>TO2- ICAR-CIFRI, Barrackpore (2023) |

**OFT-11 (Home Science)**

| | | | |
|---|---|---|---|
| **i.** | **Season** | **:** | Kharif-2025 |
| **ii.** | **Title of the OFT** | **:** | **Assessment on production straw mushroom from semi-composted substrates.**<br>**(Code: 25OHS01(K))** |
| **iii.** | **Thematic Area** | **:** | Mushroom Production |
| **iv.** | **Problem diagnosed** | **:** | The high price of bundle straw increases the cost of cultivation |
| **v.** | **Production system** | **:** | IFS system |
| **vi.** | **Micro farming situation** | **:** | Outdoor System |
| **vii.** | **Technology for Testing** | **:** | Straw mushroom from semi-composted substrates. |
| **viii.** | **Existing Practice** | **:** | Mushroom production in Bundle straw |
| **ix.** | **Objective(s)** | **:** | To assess straw mushroom cultivation using the semi-compost method for evaluating of effectiveness in optimizing mushroom yield, quality, and sustainability reducing cost of cultivation and environmental impact. |
| **x.** | **Treatments** | **:** | **FP:** Paddy straw mushroom production in Bundle straw,<br>**$TO_1$:** Chopped Bundle straw of size 2-3 inches + Wheat bran (6%)+Chicken manure (1.5%) + CaCo3 (2 %)<br>**$TO_2$:** Crumpled Straw+ Wheat bran (6 %) + Chicken manure (1.5%) + CaCo3(2%) |
| **xi.** | **Critical Inputs** | **:** | Mushroom Spawn, Pulse Powder, $CaCo_3$ |
| **xii.** | **Unit Size** | **:** | 40 Beds/unit |
| **xiii.** | **No of Replications** | **:** | 7 |
| **xiv.** | **Unit Cost** | **:** | 1000 |
| **xv.** | **Total Cost** | **:** | 7000 |
| **xvi.** | **Monitoring Indicator** | **:** | Pinhead appearance (days), Average fruit body weight (g), Yield(Kg/bed), Biological efficiency (%)<br>Net Return (Rs.), B:C ratio |
| **xvii.** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | AICRP on Mushroom, OUAT 2019 |

**OFT-12 (Home Science)**

| | | | |
|---|---|---|---|
| **i.** | **Season** | **:** | Round the Year, 2025-26/III yr. **23OHS02(R)** |
| **ii.** | **Title of the OFT** | **:** | **Assessment of Mushroom Nutri-Cereal Cookies for enhancing income of SHGs/FPOs (Code: 23OHS02(R))** |
| **iii.** | **Thematic Area** | **:** | Income generation |
| **iv.** | **Problem diagnosed** | **:** | Limited value addition and distress selling. |
| **v.** | **Production system** | **:** | Vegetable- Vegetable |
| **vi.** | **Micro farming situation** | **:** | Homestead |
| **vii.** | **Technology for Testing** | **:** | Preparation of Mushroom Nutri-Cereal Cookies |
| **viii.** | **Existing Practice** | **:** | Preparation of cookies with wheat flour and other ingredients |
| **ix.** | **Objective(s)** | **:** | To enhance the income generation |
| **x.** | **Treatments** | **:** | **$TO_1$:** Mushroom fortified millet Cookies-Sorghum flour: oyster mushroom powder (80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), ammonium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)<br>**$TO_2$:** Preparation of Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygous ulmarious*) powder in combination millet flour (finger millet/ragi) Millets: Mushroom (80:20) sugar /Jaggery (30%), ghee (bakery fats) /butter (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%) |
| **xi.** | **Critical Inputs** | **:** | Mushroom Powder, Sorghum & Ragi Powder & other inputs for cookies preparation |
| **xii.** | **Unit Size** | **:** | - |
| **xiii.** | **No of Replications** | **:** | 10 |
| **xiv.** | **Unit Cost** | **:** | 600 |
| **xv.** | **Total Cost** | **:** | 6000 |
| **xvi.** | **Monitoring Indicator** | **:** | Shelf life(days), Sensory Evaluation (0–9-point hedonic scale), Gross cost (Rs.), Gross Return (Rs.), B:C |
| **xvii.** | **Source of Technology (ICAR/AICRP/SAU/ Other, please specify)** | **:** | ICAR DMR Solan-2022<br>IIHR ANNUAL REPORT 2021 |

**10. List of Projects to be implemented by funding from other sources (other than KVK fund)**

| Sl. No. | Name of the project | Fund expected (Rs.) |
|---|---|---|
| 1 | NICRA | 12,00,000 |
| 2 | ARYA | 8,00,000 |

**11. No. of success stories proposed to be developed with their tentative titles**

| Sl.no. | Titles |
|---|---|
| 1 | Ornamental fish: A new perspective to fish farming |
| 2 | Drip irrigation with mulching: A boon to pointed gourd farming |
| 3 | Custom hiring center for combined harvester |
| 4 | Integrated farming system: A sustainable approach to farming |
| 5 | Natural farming: way forward for future Agriculture |
| 6 | Off season Mushroom cultivation |
| 7. | Success story of Innovative Farmer |
| 8. | Success story of FPOs |

**12. Scientific Advisory Committee**

| Date of SAC meeting held during 2024-25 | Proposed date during 2025-26 |
|---|---|
| **19.11.24** | **4$^{th}$week of November** |

**13. Soil and water testing**

| Details | No. of Samples | No. of Farmers | | | | | | | | | No. of Villages | No. of SHC distributed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | ST | | Other | | Total | | | | |
| | | M | F | M | F | M | F | M | F | T | | |
| Soil Samples | 500 | | | | | | | | | | | 800 |
| Water Samples | 800 | | | | | | | | | | | |
| Other (Please specify) | | | | | | | | | | | | |
| **Total** | **1300** | | | | | | | | | | | **800** |

**14. Fund requirement and expenditure (Rs.)***

| Heads | Expenditure (last year) (Rs.) up to 31.03.2025 | Expected fund requirement (Rs.) |
|---|---|---|
| Contingency | 13,00,000 | 16,00,000 |

| | | |
|---|---|---|
| SCSP | 10,00,000 | 10,00,000 |
| TA | 2,50,000 | 2,50,000 |
| HRD | 30,000 | 30,000 |
| **Total** | **25,80,000** | **28,80,000** |

* Any additional requirement may be suitably justified.

**15. Every KVK should bring a brief write-up supported by quality photographs about the technology having wide acceptability among the farming community of the district with factual data**

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