# ACTION PLAN

# 2023

## KVK,JAGATSINGHPUR

# PROFORMA FOR ACTION PLAN 2023

**1. Name of the KVK:** JAGATSINGHPUR

| Address | Telephone | E mail |
|---|---|---|
| At-Nimakana, P.O-Manijanga, Block-Tirtol, Dist-Jagatsinghpur, Pin-754160, Odisha | Mobile No: 9937191300 | kvkjagatsinghpur.ouat@gmail.com |

**2.Name of host organization** : OUAT, Bhubaneswar

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| OUAT, Bhubaneswar, Pin-751003, Odisha | (0674) 2392677 | (0674) 2391780 | registrarouat@gmail.com |

**3.Training programme to be organized (January 2023 to December 2023)**

**(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 |
| Nutrient management | Integrated Nutrient Management in Okra | 1 | 1 | OFC | Fourth week of May | | | | | | | | | 30 |
| Varietal evaluation | Yard long bean varieties with their Characteristics | 1 | 1 | OFC | Fourth week of June | | | | | | | | | 30 |
| Nutrient management | Integrated Nutrient Management in Coconut | 1 | 1 | OFC | Fourth week of June | | | | | | | | | 30 |
| Nutrient management | Methods of Application of Micro-nutrients in Bittergourd | 1 | 1 | OFC | Second week of July | | | | | | | | | 30 |
| Yield increment | Pollination technique in Pumpkin | 1 | 1 | OFC | Third week of July | | | | | | | | | 30 |
| Nutrient management | Integrated Nutrient Management in Brinjal | 1 | 1 | OFC | First week of August | | | | | | | | | 30 |
| Nutrient management | Integrated Nutrient Management in Betelvine | 1 | 1 | OFC | Third week of August | | | | | | | | | 30 |
| Nutrient management | Integrated Nutrient Management in | 1 | 1 | OFC | Second week of September | | | | | | | | | 30 |

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| | Arecanut | | | | | | | | | | | | | |
| Nutrient management | Tomato varieties suitable for processing | 1 | 1 | OFC | Fourth week of September | | | | | | | | | 30 |
| Nutrient management | Chili varieties resistant to CMV. | 1 | 1 | OFC | Second week of October | | | | | | | | | 30 |
| Nutrient management | Application of Micro-nutrient mixture in Cauliflower | 1 | 1 | OFC | Fourth week of October | | | | | | | | | 30 |
| Varietal evaluation | Tomato varieties with good keeping quality | 1 | 1 | OFC | First week of January | | | | | | | | | 30 |
| Nutrient management | Green manuring in rice | 1 | 1 | OFC | 4th week May | | | | | | | | | 30 |
| Nutrient management | Management of flood and salt tolerance variety of rice crop | 1 | 1 | OFC | 2rd week June | | | | | | | | | 30 |
| Nutrient management | Use of soil health card for balance dose of manure and fertilizer application | 1 | 1 | OFC | 1st week July | | | | | | | | | 30 |
| Nutrient management | Management of secondary and micronutrient deficiency in rice crop | 1 | 1 | OFC | 2nd week July | | | | | | | | | 30 |
| Nutrient management | Use of biofertillizer in brinjal crop | 1 | 1 | OFC | 4th week July | | | | | | | | | 30 |
| Nutrient management | Methods of compost preparation | 1 | 1 | OFC | 2nd week October | | | | | | | | | 30 |
| Nutrient management | Use of micro nutrient in Cole crops | 1 | 1 | OFC | 1st week November | | | | | | | | | 30 |
| Nutrient management | Use of secondary and micronutrient management in cucumber crop | 1 | 1 | OFC | 3rd week November | | | | | | | | | 30 |
| Nutrient management | Management of acid soil | 1 | 1 | OFC | 2nd week December | | | | | | | | | 30 |
| Nutrient management | Use of water soluble fertilizer in vegetable crop | 1 | 1 | OFC | 3rd week December | | | | | | | | | 30 |
| Nutrient management | Use of Biofertillizer in pulse crop | 1 | 1 | OFC | 1st week January | | | | | | | | | 30 |
| Nutrient management | Management of saline soil | 1 | 1 | OFC | 3nd week January | | | | | | | | | 30 |
| Fishery | Pre-stocking | 1 | 1 | ONC | First week | | | | | | | | | 40 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | management in fish culture pond | | | | of July | | | | | | | | | |
| Fishery | Integrated fish farming | 1 | 1 | OFC | July 2nd week | | | | | | | | | 30 |
| Fishery | Culture practice of Mola along with IMC | 1 | 1 | OFC | Second week of August | | | | | | | | | 30 |
| Fishery | Culture practice of Jayanti Rohu along with IMC | 1 | 1 | OFC | First week of September | | | | | | | | | 30 |
| Fishery | Culture practice of Amur carp along with IMC | 1 | 1 | OFC | First week of November | | | | | | | | | 30 |
| Fishery | Liming and manuring in fish culture pond and its importance | 1 | 2 | ONC | Last week of July | | | | | | | | | 60 |
| Fishery | Culture of Freshwater prawn along with mix carp | 1 | 1 | OFC | First week of October | | | | | | | | | 40 |
| Fishery | Culture of catfishes in biofloc tank system | 1 | 2 | ONC | Second week of September | | | | | | | | | 30 |
| Fishery | Yearling culture and its benefits in fish farming | 1 | 1 | OFC | Second week of December | | | | | | | | | 30 |
| Fishery | Effective feed management in fish culture pond | 1 | 1 | OFC | First week of September | | | | | | | | | 30 |
| Fishery | Pre-stocking management in fish culture pond | 1 | 1 | OFC | July 3rd week | | | | | | | | | 30 |
| Insect management | Methods of seed treatment in rice. | 1 | 1 | OFC | June last week | | | | | | | | | 30 |
| Insect management | Application of Bio intensive measures for control of rice pests | 1 | 1 | OFC | July 2nd week | | | | | | | | | 30 |
| Disease management | Management of Sheath Blight in Rice | 1 | 1 | OFC | August 2nd week | | | | | | | | | 30 |
| Insect management | Management of white grub in Coconut | 1 | 1 | OFC | Sept 2nd week | | | | | | | | | 30 |
| Insect management | IPM for management of BPH in paddy. | 1 | 1 | OFC | Sept 3rd week | | | | | | | | | 30 |
| Disease management | Management of Phomosis blight in brinjal | 1 | 1 | OFC | Oct..3rd week | | | | | | | | | 30 |
| Disease management | Management of Neck blast in rice | 1 | 1 | OFC | Oct.3rd week | | | | | | | | | 30 |
| Insect management | Use of control measures against | 1 | 1 | OFC | Nov. 1st week | | | | | | | | | 30 |

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| | leaf miner in tomato | | | | | | | | | | | | | |
| Insect management | Application of chemicals for vector control in green gram | 1 | 1 | OFC | Dec. 1st week | | | | | | | | | 30 |
| Insect management | Application of chemicals for vector control in Brinjal | 1 | 1 | OFC | Jan. 2nd week | | | | | | | | | 30 |
| Insect management | Use of Botanicals & Chemicals for management of sucking pests in Chili | 1 | 1 | OFC | Feb 2nd week | | | | | | | | | 30 |
| Insect management | Use of control measures against Diamond Back Moth in Cabbage | 1 | 1 | OFC | Mar. 1st week | | | | | | | | | 30 |
| Drudgery reduction | Managing drudgery & occupational health hazards and women friendly farm tools and implements | 1 | 1 | OFC | July 2nd week | | | | | | | | | 30 |
| Mushroom Cultivation | Paddy straw mushroom cultivation by using loose straw | 1 | 1 | OFC | June 2nd week | | | | | | | | | 30 |
| Mushroom Cultivation | Cultivation practices of Milk mushroom | 1 | 1 | OFC | June 4th week | | | | | | | | | 30 |
| Value addition | Value addition of agricultural produce for entrepreneurship development of farm women | 1 | 1 | OFC | December 4th week | | | | | | | | | 30 |
| Mushroom Cultivation | Management of the competitive fungus (Coprinus/Ink caps) | 1 | 1 | OFC | August 2nd week | | | | | | | | | 30 |
| Nutritional Garden | Planning, layout and designing of nutritional garden | 1 | 1 | OFC | May 2nd week | | | | | | | | | 30 |

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| Post-Harvest management | Preparation of value added products from major and minor millets | 1 | 1 | OFC | November 3rd week | | | | | | | | | 30 |
| Mushroom Cultivation | Using diff. substrates for Oyster mushroom cult. | 1 | 1 | OFC | November 1st week | | | | | | | | | 30 |
| Nutrient management | Role of milk in health & household nutrition | 1 | 1 | OFC | November 3rd week | | | | | | | | | 30 |
| Nutrient management | Process of minimization of nutrient loss in food processing | 1 | 1 | OFC | December 1st week | | | | | | | | | 30 |
| Nursery management | Vegetable seedling raising under poly tunnel | 1 | 1 | OFC | August 4th week | | | | | | | | | 30 |
| Income generation | Strengthening nutritional security & enhancing income of farm families through Quail farming | 1 | 1 | OFC | 3rd week of July | | | | | | | | | 30 |
| Farm Mechanization | Field Preparation Machinery | 1 | 1 | OFC | 1st week of May | | | | | | | | | 30 |
| Farm Mechanization | Use of Rotavator and safety measures | 1 | 1 | OFC | 2nd week of May | | | | | | | | | 30 |
| Farm Mechanization | Use of rice Transplanter | 1 | 1 | OFC | 1st week of June | | | | | | | | | 30 |
| Farm Mechanization | Use of Power Sprayer | 1 | 1 | OFC | 2nd week of June | | | | | | | | | 30 |
| Farm Mechanization | Use of Solar Pump | 1 | 1 | OFC | 1st week of July | | | | | | | | | 30 |
| Farm Mechanization | Use of Power Weeder for weeding | 1 | 1 | OFC | 2nd week of July | | | | | | | | | 30 |
| Farm Mechanization | Use of Tractor Operated Axial Flow Paddy Thresher | 1 | 1 | OFC | 3rd week of July | | | | | | | | | 30 |
| Farm Mechanization | Use of Mini Dal Mill | 1 | 1 | OFC | 1st week of August | | | | | | | | | 30 |

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| Farm Mechanization | Use of Mini Rice Mill | 1 | 1 | OFC | 2nd week of August | | | | | | | | | 30 |
| Farm Mechanization | Use of Coconut Dehusker | 1 | 1 | OFC | 1st week of September | | | | | | | | | 30 |
| Farm Mechanization | Use of Groundnut Decorticator | 1 | 1 | OFC | 2nd week of September | | | | | | | | | 30 |
| Micro Irrigation | Use of Drip Irrigation in fruits and vegetables | 1 | 1 | OFC | 1st week of October | | | | | | | | | 30 |

**(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** |
| High value Horticultural crops | Production of High value vegetable crops | 1 | 4 | ONC | Second week of February | | | | | | | | | 20 |
| Plant Propagation | Propagation of Fruit crops using grafting & budding techniques | 1 | 5 | ONC | Second week of March | | | | | | | | | 20 |
| Employment Generation | Entrepreneurship development through Bee Keeping | 1 | 5 | ONC | 2nd week of February | | | | | | | | | 20 |
| Employment Generation | Entrepreneurship development through Production of Organic inputs | 1 | 4 | ONC | 2nd week of January | | | | | | | | | 20 |
| Production and use of organic inputs | Technique of Vermicompost production | 1 | 3 | ONC | 3rd week of August | | | | | | | | | 20 |
| Soil testing | Technique of Soil sample collection | 1 | 2 | ONC | 3rd week of December | | | | | | | | | 20 |
| Employment Generation | Cultural Practice of stunted fingerling production | 1 | 4 | ONC | 1st week of June | | | | | | | | | 20 |
| Value addition | Preparation of value added products from Fish and Prawn | 1 | 4 | ONC | 1st week of February | | | | | | | | | 20 |
| Ornamental fishery | Culture practice and Breeding methods of Ornamental fish | 1 | 2 | ONC | First week of January | | | | | | | | | 20 |

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|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Income Generation | Spawn culture preparation | 1 | 4 | ONC | 3rd week of September | | | | | | | | | 20 |
| Value addition | Preparation of value added products from Oyster mushroom | 1 | 4 | ONC | 3rd week of December | | | | | | | | | 20 |
| Water Management | Operation and Maintenance of Micro-irrigation | 1 | 4 | ONC | 1st week of November | | | | | | | | | 20 |
| Farm Mechanization | Tractor System and control | 1 | 5 | ONC | 1st week of November | | | | | | | | | 20 |

**(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** |
| Natural Farming | Principles and Practices of Natural farming in vegetable crops | 1 | 2 | ONC | Third week of December | | | | | | | | | 20 |
| Climate Smart Horticulture | Climate resilient vegetable crops | 1 | 2 | ONC | Third week of January | | | | | | | | | 20 |
| Nutrient management | Use of soil health card for balance dose of manure and fertilizer application | 1 | 2 | ONC | 3rd week of January | | | | | | | | | 20 |
| Insect and disease management | Use of Newer molecules for management of insects pests in vegetables | 1 | 2 | ONC | 1st week of March | | | | | | | | | 20 |
| Gender Mainstreaming | Gender mainstreaming through SHGs | 1 | 2 | ONC | 1st week of August | | | | | | | | | 20 |
| Farm Mechanization | Farm Mechanization for Commercial Agriculture | 1 | 2 | ONC | 1st Week of December | | | | | | | | | 20 |

## 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 | | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | | |
| Water management | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | | | | | | | | | | | | | |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Others, (cultivation of crops ) | | | | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | | | | |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | 5 | | | | | | | | | | | | 150 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | | | | | | | | | | | | | |
| Yield increment | 4 | | | | | | | | | | | | 120 |
| Production of low volume and high value crops | | | | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | | | | |
| Nursery raising | 1 | | | | | | | | | | | | 30 |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | | |
| Others, (Natural farming) | 1 | | | | | | | | | | | | 30 |
| **TOTAL** | **11** | | | | | | | | | | | | **330** |
| **b) Fruits** | | | | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | | | | |
| Cultivation of Fruit | | | | | | | | | | | | | |
| Management of young plants/orchards | | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | | |
| Others, if any(INM) | | | | | | | | | | | | | |

| 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 | | | | | | | | | | | | | |
| **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 | 2 | | | | | | | | | | | | 60 |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| **TOTAL** | **2** | | | | | | | | | | | | **60** |
| **e) Tuber crops** | | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| **TOTAL** | | | | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |
| Production and management technology | | | | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **III. Soil Health and Fertility Management** | | | | | | | | | | | | | |
| Soil fertility management | 04 | | | | | | | | | | | | 120 |
| Soil and Water Conservation | | | | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | | | | |
| Production and use of organic inputs | 02 | | | | | | | | | | | | 60 |
| Management of Problematic soils | | | | | | | | | | | | | |
| Micro nutrient deficiency in crops | 03 | | | | | | | | | | | | 90 |
| Nutrient Use Efficiency | | | | | | | | | | | | | |
| Soil and Water Testing | 03 | | | | | | | | | | | | 90 |
| Others, if any | | | | | | | | | | | | | |
| **TOTAL** | **12** | | | | | | | | | | | | **360** |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |
| Dairy Management | | | | | | | | | | | | | |
| Poultry Management | | | | | | | | | | | | | |
| Piggery Management | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | | | | | | | | | | | | | |
| 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 | 01 | | | | | | | | | | | | 30 |
| Design and development of low/minimum cost diet | | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | | | | |
| Minimization of nutrient loss in processing | 01 | | | | | | | | | | | | 30 |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Value addition | 02 | | | | | | | | | | | | 60 |
| Income generation activities for empowerment of rural Women | 02 | | | | | | | | | | | | 60 |
| Location specific drudgery reduction technologies | 01 | | | | | | | | | | | | 30 |
| Rural Crafts | | | | | | | | | | | | | |
| Capacity building | | | | | | | | | | | | | |
| Women and child care | | | | | | | | | | | | | |
| Others, if any(Mushroom cultivation)<br>Nursery Management | 04<br>01 | | | | | | | | | | | | 120<br>30 |
| **TOTAL** | **12** | | | | | | | | | | | | **360** |
| **VI. Agril. Engineering** | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | 1 | | | | | | | | | | | | 30 |
| Use of Plastics in farming practices | | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | | | | |
| Post Harvest Technology | 2 | | | | | | | | | | | | 60 |
| Others, if any(Farm Mechanisation) | 9 | | | | | | | | | | | | 270 |
| **TOTAL** | **12** | | | | | | | | | | | | **360** |
| **VII. Plant Protection** | | | | | | | | | | | | | |
| Integrated Pest Management | 8 | | | | | | | | | | | | 240 |
| Integrated Disease Management | 3 | | | | | | | | | | | | 90 |
| Bio-control of pests and diseases | 1 | | | | | | | | | | | | 30 |
| Production of bio control agents and bio pesticides | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| **TOTAL** | **12** | | | | | | | | | | | | **360** |
| **VIII. Fisheries** | | | | | | | | | | | | | |
| Integrated fish farming | 1 | | | | | | | | | | | | 30 |
| Carp breeding and hatchery management | | | | | | | | | | | | | |
| Carp fry and fingerling rearing | 1 | | | | | | | | | | | | 30 |
| Composite fish culture & fish disease | 5 | | | | | | | | | | | | 170 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | 1 | | | | | | | | | | | | 30 |
| 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 | 1 | | | | | | | | | | | | 30 |
| Others, if any(Ornamental fish culture) | 1 | | | | | | | | | | | | 30 |
| **TOTAL** | **12** | | | | | | | | | | | | **380** |
| **IX. Production of Inputs at site** | | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | | | | |
| Organic manures production | | | | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **X. Capacity Building and Group Dynamics** | | | | | | | | | | | | | |
| Leadership development | | | | | | | | | | | | | |
| Group dynamics | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **XI Agro-forestry** | | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **XII. Others (Pl. Specify)** | | | | | | | | | | | | | |
| **TOTAL** | **72** | | | | | | | | | | | | **2160** |

## 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 | | | | | | | | | | | | 20 |
| Bee-keeping | 1 | | | | | | | | | | | | 20 |
| Integrated farming | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Production of organic inputs | 1 | | | | | | | | | | | | 20 |
| Planting material production | 1 | | | | | | | | | | | | 20 |
| Vermi-culture | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | 1 | | | | | | | | | | | | 20 |
| Production of High value Horticulture crops | 1 | | | | | | | | | | | | 20 |
| Training and pruning of orchards | | | | | | | | | | | | | |
| Value addition | 2 | | | | | | | | | | | | 40 |
| Soil and water Testing | 1 | | | | | | | | | | | | 20 |
| Dairying | | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | | | | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | | | | |
| Para vets | | | | | | | | | | | | | |
| Para extension workers | | | | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | | | | |
| Fish harvest and processing technology | 1 | | | | | | | | | | | | 20 |
| Fry and fingerling rearing (Ornamental) | 1 | | | | | | | | | | | | 20 |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |

| 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 |
| Enterprise development | | | | | | | | | | | | | |
| Others if any (Micro-irrigation) | 1 | | | | | | | | | | | | 20 |
| **TOTAL** | **12** | | | | | | | | | | | | **240** |

## 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 Pest Management | 1 | | | | | | | | | | | | 20 |
| Integrated Nutrient management | 1 | | | | | | | | | | | | 20 |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Farm Mechanization | 1 | | | | | | | | | | | | 20 |
| Protected cultivation technology | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | | |
| Production and use of organic inputs | 1 | | | | | | | | | | | | 20 |
| Gender mainstreaming | 1 | | | | | | | | | | | | 20 |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| through SHGs | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | |
| Others if any(Natural Farming) | 1 | | | | | | | | | | | | 20 |
| Others if any(Climate Smart Horticulture) | 1 | | | | | | | | | | | | 20 |
| **TOTAL** | **6** | | | | | | | | | | | | **120** |

## 4. Frontline demonstration to be conducted*

**FLD-1**

**Crop**: Yard long bean
**Thrust Area**: Low yield
**Thematic Area**: Varietal Substitution
**Season**: Kharif-2023
**Farming Situation**: Rainfed-Up land.

| 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. | Yard long bean | 1.0 | Arka Mangala: Plants are tall(3-4m), pods are very long(80cm), light green, stingless, round, tender with crisp texture and matures in 60 days, suitable for kharif and rabi, pod yield:25t/ha in 100 days. **(Source: ICAR-IIHR, Bangalore, 2016)** | Pod length(cm), Pod yield(q/ha), cost of intervention, Additional income over additional investment, Yield(q/ha). | seed | | | 6 | 0 | 0 | 0 | 4 | 0 | 10 | 0 | 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 | Demonstration of Yard long bean var. Arka Mangala | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Yard long bean varieties with their characteristics | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-2

**Crop**: Chilli
**Thrust Area**: Low yield
**Thematic Area**: Varietal substitution
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated-medium land

| 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 var. Arka Meghana | 1.0 | Chilli variety- 'Arka Meghana'- F1 hybrid developed by using MS line, Plants medium tall & spreading, fruits are dark green, turn dark red on maturity, tolerant to powdery mildew and | Plant height (cm), Yield/plant( kg),cost of intervention, Additional income over additional investment, Yield(q/ha). | Seedlings | | | 4 | 0 | 0 | 0 | 6 | 0 | 10 | 0 | 10 |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | CMV, yield-25-30 t/ha in 180 days. **(Source: IIHR, Bangalore, 2012)** | | | | | | | | | | | | | |

**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 | Demonstration on Chilli hybrid 'Arka Meghana' | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Chilli varieties resistant to CMV. | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-3

**Crop**: Tomato
**Thrust Area**: Disease management
**Thematic Area**: Varietal substitution
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated medium land

| 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 var. Arka Rakshak | 1.0 | $F_1$ hybrid with triple disease resistance (ToLCV, bacterial wilt, early blight),Fruits are square round & medium large (90-100g).Deep red colour and firm,Suitable for fresh market and processing,yields 75-80 t/ha in 140 days. **(Source: ICAR-IIHR, Bengaluru, 2019)** | Plant height (cm), No. of branches/ plant, fruit wt.(g), cost of intervention, Additional income over additional investment, Yield(q/ha). | Seedlings | | | 0 | 4 | 0 | 0 | 0 | 6 | 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 | Demonstration of tomato variety Arka Rakshak | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Tomato varieties suitable for processing | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-4

**Crop**: Cauliflower
**Thrust Area**: Small curd size and Browning
**Thematic Area**: Nutrient management
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated medium land

| 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. | Cauliflower | 1.0 | Application of N-120 kg., P2O5 – 80 kg., K2O – 60 kg. per ha. with Foliar application of mixture of micronutrients involving Zn, Mo, Cu, Fe and Mn @ 100ppm thrice at 15 days intervals. **(Source: AICRP in Vegetable Crops, OUAT, Bhubaneswar , 2012)** | Plant height (cm), curd diameter (cm), curd wt.(g), Yield (q/ha). | Micronutrients mixture | | | 6 | 0 | 0 | 0 | 4 | 0 | 10 | 0 | 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 | Demonstration of Micro-nutrient mixture in Cauliflower | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | Application of Micro-nutrient mixture in Cauliflower | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-5

**Crop**: Rice
**Thrust Area**: Low yield
**Thematic Area**: IPM
**Season**: Kharif-2023
**Farming Situation**: Rainfed medium land

| 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 | 2.0 | Spraying twice with Chlorantraniliprole 20 % SC @ 0.3 ml/ltr at 25&75DAT and spraying with , Cartap hydrochloride 50% SP @ 2gm./ltr at 50 DAT | % of dead heart, % White Ear head,Cost of intervention.Additional income over additional investment Yield (q/ha), B:C ratio | Chlorantraniliprole 20 % SC, Cartap hydrochloride 50% SP. | | | | | | | | | | | 10 |

NRRI Annual Report,2021

### 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 | Demonstration of chemical management against stem borer in low land rice | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |
| Training | Demonstration of chemical | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | management against stem borer in low land rice | | | | | | | | | | | | | |

## FLD-6

**Crop**: Green gram
**Thrust Area**: Low yield
**Thematic Area**: IPM
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated medium land

| 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. | Green gram | 2.0 | Seed treatment with Imidacloprid 600 FS @ 5ml/kg seed + installation of Yellow sticky trap @ 50 traps/ha and spraying of Azadirachtin 1500ppm@3 ml/ltr at 30 DAS and spraying of Diafenthuriun 50 WP @ 1gm/ltr at 45 DAS | PDI, Cost of intervention. Yield (q/ha), B:C ratio. | Imidacloprid, Neem oil, Diafenthuriun 50 WP, Yellow sticky traps | | | | | | | | | | | 10 |

RRTTS, Ranital,,2020-21

**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 | Demonstration of Integrated management of | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | white fly and YVMV in Green gram | | | | | | | | | | | | | |
| Training | Integrated management practices against YVMV disease of Green gram | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-7

**Crop**: Coconut
**Thrust Area**: Low yield
**Thematic Area**: IPM
**Season**: Rabi-2023-24
**Farming Situation**: Rainfed up land

| 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. | Coconut | 1.0 | Use of yellow sticky trap @ 50nos /ha, application of Azadirachtin 3000ppm@1 ml/ltr along with 10grm detergent and *Isaria fumosorosea* @ 5ml/ltr | Pest incidence %, Cost of intervention. Yield (q/ha), B:C ratio and farmers feed back | yellow sticky, Neem oil, *Isaria fumosorosea* | | | | | | | | | | | 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 | Demonstration on Bio-management of Rugose | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Spiralling white fly in coconut | | | | | | | | | | | | | |
| Training | Bio-management of Spiralling white fly in coconut | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

Source-

## FLD-8

**Crop**: Cucumber
**Thrust Area**: Low yield
**Thematic Area**: IPM
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated medium land

| 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. | Cucumber | 1.0 | Foliar application of Abamectin 1.9 EC @ 375 ml/ ha and Diafenthiuron 50 WP @ 500 g/ ha at @30and 40DAS | No of infected leaves per plant, leaf damage %, Cost of intervention. Yield (q/ha), B:C ratio. | Abamectin, Diafenthiuron | | | | | | | | | | | 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 | Demonstration on new insecticide against Serpentine leaf miner in Cucumber | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |
| Training | Management of Serpentine leaf miner in Cucumber | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-9

**Enterprise** Pisciculture
**Thrust Area**: Stunted fingerling production
**Thematic Area**: Integrated fish farming
**Season**: Kharif, 2023
**Farming Situation**: Pond based

| 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 | 2 | Stocking of IMC Spawn @ 25-30L/ha with proper manuring and fertilization and water quality management and less feeding practice with minimum feeding practice @2% biomass | Growth rate , yield ,average weight, additional income | | | | | | | | | | | | 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 | Demonstration on Stunted fingerling production | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Stunted fingerling production | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-10

**Enterprise** Pisciculture
**Thrust Area**: IFS
**Thematic Area**: Integrated fish farming
**Season**: Kharif, 2023
**Farming Situation**: Pond based

| Sl. | Crop & | Propos | Technology | Parameter | Cost of Cultivation | No. of farmers / demonstration |
|---|---|---|---|---|---|---|

| No. | variety / Enterprises | ed Area (ha)/ Unit (No.) | package for demonstration | (Data) in relation to technology demonstrated | (Rs.) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T | |
| 1 | Fish | 2 | Integrated fish farming @10,000 fingerlings along with 100-200nos/ha poultry, 100-200nos/ha duck and vegetables. | Growth rate , yield ,average weight, additional income | | | | | | | | | | | | 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 | Demonstration on Integrated fish farming along with poultry,duck and vegetables | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Integrated fish farming | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-11

**Enterprise** Pisciculture
**Thrust Area**: Composite pisciculture
**Thematic Area**: Mola in composite pisciculture
**Season**: Kharif, 2023
**Farming Situation**: Pond based

| 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 | 2 | Stocking of IMC @ 3:4:3 @ 7000 nos fingerlings/ ha along with | Growth rate , yield ,average weight, additional | | | | | | | | | | | | 10 | |

| | | | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | Mola fry15000-20000/ha | income | | | | | | | | | | | | |

**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 | Demonstration of Mola in composite pisciculture | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Composite pisciculture | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-12

**Enterprise** Pisciculture
**Thrust Area**: Composite pisciculture
**Thematic Area**: Amur Carp in composite pisciculture
**Season**: Kharif, 2023
**Farming Situation**: Pond based

| 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 | 2 | Stocking of IMC along with Amur carp @ 10000 nos fingerlings/ ha | Growth rate , yield ,average weight, additional income | | | | | | | | | | | | 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 | Demonstration of Amur carp in composite pisciculture | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Composite pisciculture | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-13

**Crop**: Mushroom
**Thrust Area**: Women in Agriculture
**Thematic Area**: Mushroom cultivation
**Season**: Kharif 2023
**Farming Situation**: Homestead

| 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 | Mushroom | 200 beds | Presoaking of straw by application of 2% calcium carbonate for 6 hours, dipping the polythene and wiping the rack with calcium carbonate for | Days to first flush, Size of fruiting body, | | | | | | | | | | | | 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 | Demonstration on Management of the competitive fungus (Coprinus/Inkcaps) | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Training | Management of the competitive fungus (Coprinus/Inkcaps) | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-14

**Crop**: Nutritional garden
**Thrust Area**: Women in Agriculture
**Thematic Area**: Nutritional security
**Season**: Kharif 2023 & Rabi 2023-24
**Farming Situation**: Homestead

| 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 | Nutritional garden | 10 units (size 20*10 m.) | A nutritional garden with trailis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level | Consumption of vegetables/day Availability of vegetable/day | | | | | | | | | | | | 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 | Demonstration of nutritional garden for Improving Nutritional Security of farm | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | family | | | | | | | | | | | | | |
| Training | Planning, layout & designing of nutritional gardening | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-15

**Enterprise**: Quail bird
**Thrust Area**: Intensive system of Bird rearing
**Thematic Area**: Quail bird farming for income generation
**Season**: Kharif 2023 & Rabi 2023-24
**Farming Situation**: Homestead

| 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 | Quail bird | 400 | Space required 0. 15sq.ft /bird , Feed efficiency-(5thweek)-2.6 (Body Weight/bird at 5 weeks:220g, Annual egg production-260, Egg: 7-15g) | Bird wt., Feed efficiency, egg production (nos.) | | | | | | | | | | | | 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 | Demonstration of Quail farming under intensive system for income generation | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |
| Training | Quail farming under intensive system | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-16

**Commodity**: Poly tunnel
**Thrust Area**: Protected cultivation

**Thematic Area**: Vegetable seedling production
**Season**: Rabi 2023-24
**Farming Situation**: Homestead

| 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 | Poly tunnel | 2000 sq.ft. | (Construction of low cost polytunnel (3X1X1) m supported by GI frames /bamboo, PVC pipe covered with 200-micron UV stabilized polythene of 35 mt2 . Seed treatment with Bavistin. Vegetable seeds like brinjal, Tomato, Cauliflower, Onion, Chilly etc to be grown | Days taken for germination, Germination %, Seedling height(cm), Mortality % | | | | | | | | | | | | 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 | Demonstration of vegetable seedling raising under | 01 | F & FW | 01 | OFF | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | poly tunnel | | | | | | | | | | | | | |
| Training | Vegetable seedling raising under poly tunnel | 01 | F & FW | 01 | OFF | | | | | | | | | 30 |

## FLD-17

**Crop**: Rice
**Thrust Area**: Lower yield due to improper nutrient management
**Thematic Area**: Soil health management
**Season**: Kharif' 2023
**Farming Situation**: Rainfed low land

| 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 | Rice | 02 | Soil test based NPK with FYM @ 5 t/ha + zinc @2.5 kg/ha (**AICRP on Micro-Secondary Nutrients & Pollutant Elements, Odisha, 2018)** | Pre and post kharif soil sample analysis, plant height (cm), No. of tillers/ m2, 1000 grain weight (gm), No. of tiller/hill, grain yield (q/ha) | | | | | | | | | | | | 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 | Management of micronutrient deficiency in rice crop | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on zinc application in | 01 | | 01 | OFF | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | low land rice | | | | | | | | | | | | | |

**FLD-18**

**Crop**: Okra
**Thrust Area**: Low Yield
**Thematic Area**: Soil health management
**Season**: Rabi 2023-24
**Farming Situation**: Irrigated, upland

| 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 | Okra | 01 | STBR NPK + Azotobactor, Azosprillium, PSB (1:1:1) @ 4kg each and soil application of B@ 1 kg/ha | Initial and final soil soil test value, Fruit weight (g)/plant, No. of fruits/plant, fruit length (cm), plant height (cm), yield (q/ha) | | | | | | | | | | | | 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 | Use of biofertillizer in Okra crop | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on OUAT consortia Bio-fertilizers application in Okra | 01 | | 01 | OFF | | | | | | | | | 50 |

**FLD-19**

**Crop**: Brinjal
**Thrust Area**: Low yield
**Thematic Area**: Soil health management
**Season**: Rabi 2023-24
**Farming Situation**: Irrigated, medium land

| 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 | Brinjal | 01 | STBR NPK + Inoculation of OUAT consortia Bio-fertilizer with 300 kg FYM/VC incubated for 7 days at 30% moisture and applied in the rhizosphere on the day of planting (**AINP on Soil Biodiversity-Biofertilizers Odisha, 2018)** | Initial and after harvest soil test value, Plant heigh (cm), No. of branches /plant, No. of fruits / plant, fruit weight (g), Yield (q/ha) | | | | | | | | | | | | 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 | INM in Brinjal | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field Day | Demonstration on consortia bioferilizer application in Brinjal | 01 | | 01 | OFF | | | | | | | | | 50 |

## FLD-20

**Crop**: Greengram
**Thrust Area**: Low productivity due to sub optimal dose of nutrient management
**Thematic Area**: Soil health management
**Season**: Rabi 2023-24
**Farming Situation**: Rainfed, low land

| 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 | Greengram | 2.0 | STBR (NPK) + FYM @ 2t ha-1 + Rhizobium seed treatment @20g/kg seed + soil application of PSB @4kg/ha mixed with lime 0.2LR **(Source: AINP on Soil Biodiversity-Biofertilizers, 2018-19)** | Initial and after harvest soil test value, No. of pods/plant, yield (q/ha) | | | | | | | | | | | | 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 | Use of Biofertilizer in pulse crop | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on INM in greengram | 01 | | 01 | OFF | | | | | | | | | 50 |

## FLD-21

**Crop**: Groundnut
**Thrust Area**: Farm Mechanization
**Thematic Area**: Small Farm Mechanization
**Season**: Rabi 2023-24
**Farming Situation**: rainfed medium land

| 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 | Okra | 01 | Demonstration on tractor drawn seed cum fertilizer drill for groundnut<br><br>(Source: AICRP on FIM,CAET, OUAT, 2014-15) | Field Capacity (ha/h), Germination percentage (%), Labour Saving (man-days), Cost Saving (Rs/ha), yield (q/ha), 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 | Demonstration on tractor drawn seed cum fertilizer drill for groundnut | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on tractor drawn seed cum fertilizer drill for groundnut | 01 | | 01 | OFF | | | | | | | | | 50 |

**FLD-22**

**Crop**: Rice
**Thrust Area**: Farm Mechanization
**Thematic Area**: Small Farm Mechanization

**Season**: Kharif 2023-24
**Farming Situation**: Irrigated medium land

| 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 | Ragi | 01 | Demonstration on OUAT ragi thresher cum pearler (Source: AICRP on UAE, 2017-18) | Field Capacity (ha/h), heart rate (Beats/h), Labour Saving (man-days),, yield (q/ha), B:C Ratio, Incremental Income (Rs/ha) | | | | | | | | | | | | 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 | Demonstration on OUAT ragi thresher cum pearler | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on Self-propelled Rice Transplanter | 01 | | 01 | OFF | | | | | | | | | 50 |

## FLD-23

**Crop**: Greengram
**Thrust Area**: Farm Mechanization
**Thematic Area**: Small Farm Mechanization
**Season**: Rabi 2023-24
**Farming Situation**: Irrigated medium land

| 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 | Greengram | 01 | Demonstration on Greengram thresher<br><br>(Source: AICRP ON UAE,CAET,OUAT, 2020-21) | Capacity: kg/h, Efficiency (%), Percentage of losses, Labour Saving (man-days),Cost saving (Rs/ha) | | | | | | | | | | | | 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 | Training on Green gram thresher | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration on Green gram thresher | 01 | | 01 | OFF | | | | | | | | | 50 |

**FLD-24**

**Crop**: Okra
**Thrust Area**: Farm Mechanization
**Thematic Area**: Small Farm Mechanization
**Season**: Rabi 2023-24
**Farming Situation**: Irrigated medium land

| Sl | Crop & | Propo | Technology | Paramet | Cost of | No. of farmers / demonstration |
|---|---|---|---|---|---|---|

| . No. | variety / Enterprises | sed Area (ha)/ Unit (No.) | package for demonstration | er (Data) in relation to technology demonstrated | Cultivation (Rs.) | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T | |
| 1 | Okra | 01 | Demonstration of Drip irrigation in Okra<br><br>(Source: ICAR-IIWM 2017-18) | Yield (q/ha), Water saving (m3/ha), Water Productivity (kg/$m^3$), Incremental Income (Rs/ha) | | | | | | | | | | | | 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 | Training on Drip irrigation in Okra | 01 | | 01 | OFF | | | | | | | | | 30 |
| Field day | Demonstration of Drip irrigation in Okra | 01 | | 01 | OFF | | | | | | | | | 50 |

* Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

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

| Name of the Crop / Enterprise | Variety / Type | Period From 2023 to 2024 | 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 | Kharif 2023 | 7.0 | Foundation | 280 | 5,20,000/- | 9,80,000/- | 4,60,000,/- |
| Papaya seedling | Red lady/Pusa Nanha | Rabi 2023-24 | 2000 Nos. | Seedling | 2000 Nos. | 10000/- | 50000 | 30000 |
| Drumstick seedling | Bhagya/ODC-3 | Rabi 2023-24 | 2000 Nos. | Seedling | 2000 Nos. | 5000/- | 30000 | 20000 |
| Tomato seedling | Arka Rakshak | Rabi 2023-24 | 20000 Nos. | Seedling | 20000 Nos. | 20000/- | 50000 | 30000 |
| Brinjal seedling | Swarna Shyamali/Arka Anand | Rabi 2023-24 | 20000 Nos. | Seedling | 20000 Nos. | 20000/ | 50000 | 30000 |
| Chili seedling | Arka Meghna/Arka Khyathi | Rabi 2023-24 | 20000 Nos. | Seedling | 20000 Nos. | 20000 | 50000 | 30000 |
| Cauliflower seedling | Barkha/Megha/N-60 | Rabi 2023-24 | 20000 Nos. | Seedling | 20000 Nos. | 20000 | 50000 | 30000 |
| Cabbage seedlings | Green Challenger/Royal Ball | Rabi 2023-24 | 20000 Nos. | Seedling | 20000 Nos. | 20000 | 50000 | 30000 |
| FishFry &Fingerling Production | Jayanti Rohu,Advanced Catala,AmurCarp etc | Kharif-2023& Rabi 2023-24 | 200000 | Fish Fry &Fingerling | 200000 | 60000 | 80000 | 20000 |
| Amur carp | Fish fry/fingerlings (Amur Carp) | Rabi 2023-24 | 50000 | Advance fry | 45000 | 6000 | 15300 | 8300 |
| Poultry | Colour bird | Kharif-2023& Rabi 2023-24 | 5000 | Chicks | 4800 | 2,40,000 | 2,88,000 | 48000 |
| Duckery | White pekin, Khaki campbell | Kharif-2023& Rabi 2023-24 | 1000 | duckling | 800 | 40000 | 48000 | 8000 |
| Vermi compost | *Eusinea foitida* | Kharif-2023 & Rabi-2023- 2024 | 2 unit | Vermicompost | 30q | 17,000/- | 45,000/- | 28,000/- |
| Mushroom spawn | *V. volvacea*<br>*H.ulmarious* | Kharif-2023& Rabi 2023-24 | 5000<br>5000 | Mushroom spawn | 5000 nos<br>5000 nos | 60000<br>60000 | 75000<br>75000 | 15000<br>15000 |
| Paddy straw mushroom | *V. volvacea* | Kharif 2023 | 1 q | Paddy straw mushroom | 1 q | 8,000/ | 10,000/- | 2,000/- |
| Oyster mushroom | *H.ulmarious* | Rabi 2023-24 | 2 q | Oyster mushroom | 2 q | 8,000/- | 12,000/- | 4,000/- |

**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 | 24 | | | | | | | | | | 1200 |
| 2. | KisanMela | 1 | | | | | | | | | | 400 |
| 3. | KisanGhosthi | 4 | | | | | | | | | | 200 |
| 4. | Exhibition | 2 | | | | | | | | | | 1000 |
| 5. | Film Show | 12 | | | | | | | | | | 600 |
| 6. | Method Demonstrations | 12 | | | | | | | | | | 120 |
| 7. | Farmers Seminar | 2 | | | | | | | | | | 60 |
| 8. | Workshop | 2 | | | | | | | | | | 200 |
| 9. | Group meetings | 12 | | | | | | | | | | 240 |
| 10. | Lectures delivered as resource persons | 12 | | | | | | | | | | 360 |
| 11. | Advisory Services | 30 | | | | | | | | | | 300 |
| 12. | Scientific visit to farmers field | 120 | | | | | | | | | | 1000 |
| 13. | Farmers visit to KVK | 400 | | | | | | | | | | 400 |
| 14. | Diagnostic visits | 30 | | | | | | | | | | 30 |
| 15. | Exposure visits | 5 | | | | | | | | | | 200 |
| 16. | Ex-trainees Sammelan | 2 | | | | | | | | | | 60 |
| 17. | Soil health Camp | 4 | | | | | | | | | | 200 |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 18. | Animal Health Camp | | | | | | | | | | | |
| 19. | Agri mobile clinic | | | | | | | | | | | |
| 20. | Soil test campaigns | 1 | | | | | | | | | | 50 |
| 21. | Farm Science Club Conveners meet | 1 | | | | | | | | | | 50 |
| 22. | Self Help Group Conveners meetings | 5 | | | | | | | | | | 150 |
| 23. | MahilaMandals Conveners meetings | | | | | | | | | | | |
| 24. | Celebration of important days (specify) | 12 | | | | | | | | | | 480 |
| 25. | Sankalp Se Siddhi | | | | | | | | | | | |
| 26. | Swatchta Hi Sewa | 10 | | | | | | | | | | 300 |
| 27. | Mahila Kisan Diwas | 1 | | | | | | | | | | 50 |
| 28. | Any Other (Specify) | | | | | | | | | | | |
| | **Total** | **704** | | | | | | | | | | **7650** |

**6. Revolving Fund (in Rs.)**

| Opening balance of 2022-23 (As on 31.12.2022) | Amount proposed to be invested during 2023 | Expected Return |
|---|---|---|
| 8,34,038.21 | 10,10,000.00 | 16,00,000.00 |

**8. Expected fund from other sources and its proposed utilization**

| Project | Source | Amount to be received (Rs. in lakh) |
|---|---|---|
| Natural Farming | Govt. of India | 2.65 |
| ASCI Skill Development Training | Govt. of India | 3.60 |
| NICRA-TDC | CRIDA, Hyderabad | 9.3 |
| DAMU | IMD, New Delhi | - |
| CFLD (Oilseed) | ICAR | 1.20 |
| CFLD (Pulses) | ICAR | 0.90 |
| Plant Health clinic | Govt. of Odisha | - |
| **Total** | | **20.65** |

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

## OFT-1

**i. Season:** Kharif-2023

**ii. Title of the OFT:** Assessment of Integrated Nutrient Management in Okra.

**iii. Thematic Area:** Integrated Nutrient Management

**iv. Problem diagnosed:** Low yield

**v. Important Cause:** Low yield due to improper nutrient management.

**vi. Production system:** Vegetable –Vegetable

**vii. Micro farming system:** Rainfed-Up land.

**vii. Technology for Testing:** Integrated Nutrient Management in Okra.

**ix. Existing Practice:** Application of only NPK @80:60:60/ha

**x. Objective(s):** To evaluate suitable Integrated Nutrient Management for higher yield.

**xi. Treatments:**

**Farmers Practice (FP):** Application of only NPK @80:60:60/ha

**Technology option-I (TO-1):** Application of NPK @ 150:50:75 Azotobacter, Azospirillum &PSB each @ 2.5kg/ha and soil application of Borax@10kg/ha **(Source: IARI Annual Report,2008)**

**Technology option-II (TO-2):** STBR+Seed treatment with Arka Microbial Consortium@10g/100g seed+soil application with 5kg AMC mixed with 5000kg FYM. **(Source: IIHR Annual Report, 2012)**

**xii. Critical Inputs:** Borax, Azotobactor, Azospirilum, PSB, Arka Microbial Consortium

**xiii. Unit Size:** 1.0 ha

**xiv. No of Replications:** 07

**xv. Unit Cost:** 1200

**xvi. Total Cost:** 8400

**xvii. Monitoring Indicator:** Plant height (cm), Days to 50% flowering, cost of intervention, Additional income over additional investment, Yield(q/ha), B:C ratio.

**xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** IARI Annual report-2008 and IIHR Annual Report-2012.

## OFT-2

**i. Season:** Rabi-2023-24

**ii. Title of the OFT:** Assessment of Integrated Nutrient Management in Betel vine

**iii. Thematic Area:** Integrated Nutrient Management

**iv. Problem diagnosed:** Low yield and small leaf size

**v. Important Cause:** Under Nutrition.

**vi. Production system:** Betelvine - Betelvine.

**vii. Micro farming system:** Irrigated-Up land.

**vii. Technology for Testing:** Integrated Nutrient Management in Betel vine

**ix. Existing Practice:** Application of NPK fertilizers @ 350:375:120 +Poultry manure(37.5t/ha)+Mustard oil cake(1.5t/ha)

**x. Objective(s):** To evaluate Integrated Nutrient management in Betelvine.

**xi. Treatments:**

**Farmers Practice (FP):** Application of NPK fertilizers @ 350:375:120 +Poultry manure(37.5 t/ha)+Mustard oil cake(1.5t/ha)

**Technology option-I (TO-1):** STBR+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha. **(Source: OUAT Annual Report, 2012-13)**

**Technology option-II (TO-2):** STBR(50%)+ Mustard oil cake @1.5 t/ha+ Vermicompost @ 10 t/ha+ consortia of Azotobacter, Azospirillum & PSM each @ 4kg/ha inoculated to 300kg of Vermi compost, mixed with 15kg lime, incubated at 30% moisture for a week & applied in rhizosphere **(Source: AICRP on MAP & B, 2012-13)**

xii. **Critical Inputs:** Mustard oil cake, Vermicompost, Azotobacter, Azospirillum, PSM, Vermi compost, lime.

xiii. **Unit Size:** 0.5 ha

xiv. **No of Replications:** 07

xv. **Unit Cost:** 2100

xvi. **Total Cost:** 14700

xvii. **Monitoring Indicator:** Vine length(cm), No. of leaves/vine, Cost of intervention. Additional income over additional investment Yield (q/ha), B:C ratio.

xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT Annual Report, 2012-13 and AICRP on MAP & B, 2012-13)

## OFT-3

i. **Season:** Rabi-2023-24

ii. **Title of the OFT:** Assessment of fruit fly management in Bitter-gourd

iii. **Thematic Area:** Integrated Pest Management

iv. **Problem diagnosed:** Low yield of bitter gourd due to high infestation of fruit flies,

v. **Important Cause:** Severe infestation of fruit flies.

vi. **Production system:** Rice - Vegetable

vii. **Micro farming system:** Irrigated-Medium land.

vii. **Technology for Testing:** Integrated Pest Management in Bitter-gourd.

viii. **ix. Existing Practice:** Application of Chlorpyriphos @1.0L/ha

x. **Objective(s):** To evaluate Integrated Pest management in Bitter-gourd.

xi. **Treatments:**

**Farmers Practice (FP):** Application of Chlorpyriphos @1.0L/ha

**Technology option-I (TO-1):** Soil application of Chlorpyriphos 1.5% dust @ 25kg/ha at 30 DAG, application of poison bait (Jaggery 100gm + Cartap hydrochloride 2g + water 1.0L), Cuelure @ 20 nos./ha., Periodical removal of damaged fruits (Source : RRTTS, Ranital, OUAT, 2019)

**Technology option-II (TO-2):** Placement of Food bait @ 20 nos./ha (mixture of 1kg cucumber pulp + 50g jaggery, 100 ml cow urine, 0.5L of water soaked overnight & diluted to 05L + 10 ml Malathion) at 20 DAS, installation of Cuelure @ 25 nos./ha and spraying of Spinosad 45% SC @ 200 ml/ha twice at 45 & 60 DAS (Source : RRTTS, BBSR, OUAT, 2022-23)

xii. **Critical Inputs:**. Chlorpyriphos, (Jaggery + Cartap hydrochloride), Cuelure, cucumber pulp + jiggery, cow urine, Malathion, Spinosad.

xiii. **Unit Size:** 0.4 ha

xiv. **No of Replications:** 10

xv. **Unit Cost:** 2100

xvi. **Total Cost:** 21000

**xvii. Monitoring Indicator:** No. of flies/ trap/week, Fruit infestation (%) at each harvest (both number & weight basis), Yield, ICBR

**xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): (Source : RRTTS, Ranital, OUAT, 2019), (Source : RRTTS, BBSR, OUAT, 2022-23)**

## OFT-4

**i. Season:** Rabi-2023-24 (1st year)

**ii. Title of the OFT:** Assessment of Rhinoceros beetle management in Coconut

**iii. Thematic Area:** Integrated Pest Management

**iv. Problem diagnosed:** Yield loss due to severe infestation of Rhinoceros beetle

**v. Important Cause:** Severe infestation of Rhinoceros beetle

**vi. Production system:** Plantation crop - Plantation crop

**vii. Micro farming system:** Rainfed-Medium land.

**vii. Technology for Testing:** Management of Rhinoceros beetle in Coconut

**ix. Existing Practice:** Gamaxine and Furadon granules.

**x. Objective(s):** To evaluate Pest management in Coconut.

**xi. Treatments:**

**Farmers Practice (FP):** Gamaxine and Furadon granules.

**Technology option-I (TO-1):** Application of Carbofuran 3G@1kga.i./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 with Rhinolure@12nos /ha.

**Technology option-II (TO-2):** Spraying of 250ml of *Metarrhizium anisopliae* culture+750ml of water in manure pit, use of iron hooks, Soak castor cake 1 kg/5 lit. of water in small mud pots to attract and kill the adults. Application of Neem seed powder+sand(1:2)@150g at the base of the three inner leaves of the plant.

**xii. Critical Inputs:** Carbofuran 3G, Chlorantraniliprole 0.4G , Bucket trap with Rhinolure, Metarrhizium culture,castor cake, Neem seed powder.

**xiii. Unit Size:** 0.4 ha

**xiv. No of Replications:** 10

**xv. Unit Cost:** 800

**xvi. Total Cost:**8000

**xvii. Monitoring Indicator:** No. of beetles/trap, Cost of intervention, Additional income over additional investment Yield (q/ha), B:C ratio.

**xviii. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CPCRI, Kessargod,2016 TNAU, Coimbatore, 2017

## OFT-5

**i. Season:** Rabi 2023-24

**ii. Title of the OFT:** Assessment on value added products from oyster mushroom for higher income

**iii. Thematic Area:** Value addition

**iv. Problem diagnosed:** Low income from Oyster Mushroom due to less price of fresh products

**v. Important Cause:** To increase Shelf life of mushroom

**vi. Production system:** Mushroom-Mushroom

vii. **Micro farming system:** Homestead
**Technology for Testing:** Value added products from mushroom

viii. **Existing Practice:** Selling of fresh mushroom

ix. **Hypothesis**: This method may increase Shelf life of mushroom

x. Objective(s): To increase income of mushroom grower.

xi. **Treatments:** Farmers Practice (FP): Selling of fresh Oyster mushroom
Technology option-I (TO-I): Preparation of mushroom powder
Technology option-II (TO-II) : Drying of mushroom

xii. **Critical Inputs:** Mushroom,Chemical preservatives

xiii. **Unit Size:** 7 farmwomen

xiv. **No of Replications: 7**

xv. **Unit Cost:** 500/-

xvi. **Total Cost:** 3500/-

xvii. **Monitoring Indicator:** Shelf life (Days),Sensory evaluation,additional income (Rs/-) B:C ratio

xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** KVK, Palamau , 2012

## OFT-6

i. **Season:** Rabi 2023-24

ii. **Title of the OFT:** Assessment of Coconut value added products for income generation

iii. **Thematic Area:** value addition

iv. **Problem diagnosed:** Distress Sale and low income due to short shelf life

v. **Important Cause:** Increase income by preparing value added products.

vi. **Production system:** Coconut-Coconut

vii. **Micro farming system:** Homestead

viii. **Technology for Testing:** Value added products from Coconut

ix. **Existing Practice:** No value added products prepared from Coconut

x. **Hypothesis:** value added products prepared from Coconut may increase income

xi. **Objective(s):** Increase income from coconut

xii. **Treatments:**
Farmers Practice (FP): No value added products prepared from Coconut
Technology option-I (TO-I): Virgin Coconut Oil- fresh coconut milk obtained from matured coconut of 12 months old . Grind the grated coconut with water as required in a mixer jar Squeeze out the extract, fridge for at least 2 hours & boil the thick coconut cream, cool the oil & store in dry jar.
Technology option-II (TO-II): Coconut Chips-slicing the coconut meat of eleven to twelve month old nuts thinly into strands-0.6-0.7mm thickness, soaked in syrup, drained and dried
**Critical Inputs:** Coconut,jar

xiii. **Unit Size:**10

xiv. **No of Replications:** 7

xv. **Unit Cost:** 500/-

xvi. **Total Cost:**3500/-

xvii. **Monitoring Indicator:** B:C ratio, Conversion ratio

xviii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Coconut Development Board, Kochi

## OFT-7

i. **Season: Kharif 2023**
ii. **Title of the OFT:** Assessment of Integrated Nutrient Management in Rice
iii. **Thematic Area:** Soil health management
iv. **Problem diagnosed:** Low yield due to injudicious use of fertilizer application and low organic matter content
v. **Important Cause:** low organic matter content in soil
vi. **Production system:** Rice-Greengram
vii. **Micro farming system:**Kharif/Clay loam soil or coastal alluvial soil / Irrigated or Rainfed,
viii. **Technology for Testing:** Application of green manuring in rice
ix. **Existing Practice: I**njudicious use of fertilizer application
x. **Hypothesis:** Application of 50% NPK as per soil test with dhanicha may increase in yield and soil quality
xi. **Objective(s):**To increase yield and soil health
xii. **Treatments:**
xiii. Farmers Practice (FP): N:P:K (65:45:35)
Technology option-I (TO-I): 100% NPK as per soil test
Technology option-II (TO-II): 50% NPK as per soil test + Green Manure (*Sesbania aculeata)*
**No of Replications:** 8
xiv. **Unit Cost:** Rs.1000/-
xv. **Total Cost:** Rs.10000/-
xvi. **Monitoring Indicator:** Initial and post harvest soil test value ( pH, EC, SOC, Avail. N,P & K) , No. of tillers /m2, No. of filled grain per panicle, 1000 grain weight (g), effective tillers/ m2, yield (q/ha), BC ratio
xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on LTFE, Pattambi, Kerala Agriculture University, 2020

## OFT-8

i. **Season:** Rabi, 2023-24
ii. **Title of the OFT:** Assessment of Decomposer for in-situ residue management in Rice
iii. **Thematic Area:** Soil health management
iv. **Problem diagnosed:** Residue burning causes environmental pollution as well as decreasing soil microbial properties.
v. **Important Cause:** Environmental pollution
vi. **Production system:** Rice–Green gram
vii. **Technology for Testing:** NRRI microbial consortium containing Three microbial strains *Aspergillus awamori* (NRRICPD- COMF5), *Trichoderma viridi* (NRRI-CPD-COMF6) and *Streptomyces sp* (NRRI-CPD-COMA4) decomposes within 45 days of application.
viii. **Existing Practice:** Residue burning.
ix. **Hypothesis:** Decomposer for in-situ residue management may increase yield.
x. **Objective(s):** To increase soil quality and yield.
xi. **Treatments:**
Farmers Practice (FP): Residue burning
Technology option-I (TO-I): NRRI microbial consortium containing Three microbial strains *Aspergillus awamori* (NRRICPD- COMF5), *Trichoderma viridi* (NRRI-CPD-COMF6) and *Streptomyces sp* (NRRI-CPD-COMA4) decomposes within 45 days of application.
Technology option-II (TO-II): Pusa decomposer is a mix of seven fungi strains that produce enzymes to digest cellulose, lignin and pectin in paddy straw. It decomposes within 30 days of application.

**No of Replications:** 7

xii. **Unit Cost:** Rs. 2000/-

xiii. **Total Cost:** Rs. 14000/-

xiv. **Monitoring Indicator:** Period of decomposition, Rate of decomposition, Cost of Intervention. Soil organic matter content(Before and After), Yield of Greengram

xv. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** ICAR-NRRI, 2021 and ICAR- IARI, 2020

## OFT-9

i. **Season:** Kharif 2023

ii. **Title of the OFT:** Assessment of different harvesting and threshing methods on quality of rice seed

iii. **Thematic Area:** Farm Mechanization

iv. **Problem diagnosed**: Quality of seed deteriorates due to mechanical impact in different methods of threshing and harvesting

v. **Important Cause:** Low productivity

vi. **Production system:** Rice–Greengram

vii. **Micro farming system:** Rabi/Clay loam soil/ Irrigated/Greengram

viii. **Technology for Testing:** Assessment of different harvesting and threshing methods on quality of rice seed

ix. **Existing Practice:** Manual threshing and harvesting

x. **Hypothesis:** Increases quality of rice seed**.**

xi. **Objective(s):** Improve quality of rice seed.

xii. **Treatments:**

Farmers Practice (FP): Manual harvesting and mechanical threshing (Power thresher cum winnower

Technology option-I (TO-I): Manual harvesting and mechanical threshing (Axial flow thresher)

Technology option-II (TO-II): Mechanical harvesting & threshing by Combine harvester

**No of Replications:** 7

xiii. **Unit Cost:** Rs. 2000/-

xiv. **Total Cost:** Rs. 14000/-

xv. **Monitoring Indicator:** Threshing & cleaning efficiency (%), visible broken seed (%), visible dehusked seed (%), germination (%)

xvi. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify): Source :** TNAU, Kumulur, 2017

## OFT-10

i. **Season:** Rabi, 2023-24

ii. **Title of the OFT:** Assessment of sprinkler irrigation in greengram

iii. **Thematic Area:** Water Management

iv. **Problem diagnosed:** High cost of cultivation

v. **Important Cause:** Low productivity

vi. **Production system:** Rice–Greengram

vii. **Micro farming system:** Rabi/Clay loam soil/ Irrigated/Greengram

viii. **Technology for Testing:** Assessment of sprinkler irrigation in greengram

ix. **Existing Practice:** Lack of knowledge about irrigation

x. **Hypothesis:** Assessment of sprinkler irrigation will save production cost of greengram

**xi. Objective(s):** sprinkler irrigation in greengram

**xii. Treatments:**

Farmers Practice (FP): No irrigation

Technology option-I (TO-I): One irrigation in pre flowering stage

Technology option-II (TO-II): Two irrigation, one at pre flowering stage and one at pod formation stage

**No of Replications:** 7

**xiii. Unit Cost:** Rs. 5000/-

**xiv. Total Cost:** Rs. 35000/-

**xv. Monitoring Indicator:** Crop height (cm), Yield (t/ha), Irrigation applied (mm), Water productivity (kg/ha.m)

**xvi. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** Source: ICAR,IIWM,2017-18

**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 | Natural Farming | 2.65 |
| 2 | ASCI Skill Development Training | 3.60 |
| 3. | NICRA-TDC | 9.3 |
| 4. | DAMU | - |
| 5. | CFLD (Oilseed) | 1.20 |
| 6. | CFLD (Pulses) | 0.90 |
| | **Total** | **20.65** |

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

i. Natural Farming inVegetable crops.
ii. Mushroom cultivation-A profitable enterprise for WSHGs.
iii. Green Manuring –A sustainable method for maintaining soil health.
iv. Composite Pisciculture- For self-employment.
v. Backyard poultry- An income generating activity for landless farm women.

**12. Scientific Advisory Committee**

| Date of SAC meeting held during 2022-23 | Proposed date during 2023 |
|---|---|
| 30.11.2022 | 15.12.2023 |

**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 | 1000 | | | | | | | | | | | 3000 |
| Water Samples | 100 | | | | | | | | | | | 100 |
| Other (Please specify) | - | | | | | | | | | | | |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| **Total** | **1100** | | | | | | | | | | | **3100** |

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

| Heads | Expenditure (last year) (Rs.) up to 31.03.2022 | Expected fund requirement (Rs.) |
|---|---|---|
| Salary | 1,33,00,000 | 1,53,00,000 |
| Rec. Contingency | 13,00,000 | 16,00,000 |
| Travelling Allowance | 1,30,000 | 1,50,000 |
| Library (N.R) | 10,000 | 10,000 |
| HRD | 30,000 | 30,000 |
| SCSP | 11,00,000 | 13,00,000 |
| CFLD (Oilseed) | - | 2,40,000 |
| CFLD (Pulses) | 1,20,000 | 1,40,000 |
| Building Maintenance | 0.00 | 0.00 |
| N.R (Furniture) | 0.00 | 5,00,000 |
| **TOTAL** | 1,59,90,000 | 1,92,70,000 |