**REVISED PROFORMA FOR ACTION PLAN 2024-25**

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

| **Address** | **Telephone** | | **E mail** |
|---|---|---|---|
| KVK, Dhenkanal, Mahisapat, Dhenkanal,pin-759013 | 06762286610 | | kvkdhenkanal.ouat@gmail.com, dhenkanalkvk@yahoo.com |

**2. Name of host organization** :

| **Address** | **Telephone** | | **E mail** |
|---|---|---|---|
| | **Office** | **FAX** | |
| Odisha University of Agriculture and Technology, Bhubaneswar | 0674-2397818/919 | 0674-2397424 | registrarouat@gmail.com |

**3. Training programme to be organized (April 2023 to March 2024)**

**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** |
| Production technology | Production technology for HYV rice in irrigated medium land | 1 | 1 | off | June 2024 | | | | | | | | | 30 |
| Production technology | Production technology of Arhar in rainfed upland situation | 1 | 1 | off | July 2024 | | | | | | | | | 30 |
| IWM | Integrated weed management in sweet corn | 1 | 1 | off | September, 2024 | | | | | | | | | 30 |
| INM | Integrated nutrient management in sesame | 1 | 1 | off | February 2024 | | | | | | | | | 30 |
| INM | Integrated nutrient management in greengram in Rabi | 1 | 1 | off | September, 2024 | | | | | | | | | 30 |
| ICM | Package and practices for fingermillet cultivation | 1 | 1 | off | August 2024 | | | | | | | | | 30 |
| ICM | Improvrd production technology for for rabi groundnut | 1 | 1 | off | November, 2024 | | | | | | | | | 30 |
| Organic production | Organic farming for enhancing pulse production. | 1 | 1 | off | November , 2024 | | | | | | | | | 30 |
| ICM | Package of practices for sweet corn cultivation | 1 | 1 | off | October 2024 | | | | | | | | | 30 |
| IWM | Integrated weed management in millets | 1 | 1 | off | February 2025 | | | | | | | | | 30 |
| INM | Integrated nutrient management in sunflower | 1 | 1 | off | October 2024 | | | | | | | | | 30 |
| Natural Farming | Adoptions of Natural Farming in Vegetable production. | 1 | 1 | Off | June 2024 | | | | | | | | | 30 |
| Nursery Management | Nursery Management for off season vegetable production | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |
| ICM | Scientific crop | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |

| 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 |
| | production of Papaya | | | | | | | | | | | | | |
| ICM | Integrated crop Management of Tomato | 1 | 1 | Off | August 2024 | | | | | | | | | 30 |
| Production Technology | Production technology of cole crop cultivation | 1 | 1 | Off | Sept.2024 | | | | | | | | | 30 |
| INM | Fertilizer Management in Mango Orchard | 1 | 1 | Off | Oct-2024 | | | | | | | | | 30 |
| ICM | Integrated crop Management of marigold | 1 | 1 | Off | Nov. 2024 | | | | | | | | | 30 |
| Protected cultivation | Protected cultivation of off season vegetables | 1 | 1 | Off | Dec.2024 | | | | | | | | | 30 |
| INM | Nutrient management of Bitter Gourd. | 1 | 1 | Off | Jan.2025 | | | | | | | | | 30 |
| Production Technology | Production Technology of Minor Fruits | 1 | 1 | Off | Feb-2025 | | | | | | | | | 30 |
| PHM | Post harvest management of Mango | 1 | 1 | Off | March-2025 | | | | | | | | | 30 |
| Farm mechanization | Use of tractor operated Rotavator for tillage | 1 | 1 | Off | June 2024 | | | | | | | | | 30 |
| Farm mechanization | Direct seeding of rice by tractor drawn multi crop planter | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Farm mechanization | Line sowing of ragi by tractor drawn multi crop planter | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Farm mechanization | Use of tractor operated multi-crop planter for sowing of groundnut | 1 | 1 | Off | Nov. 2024 | | | | | | | | | 30 |
| Farm mechanization | Use of power weeder for weeding in banana orchard | 1 | 1 | Off | Oct. 2024 | | | | | | | | | 30 |
| Farm mechanization | Mechanization in rice cultivation | 1 | 1 | On | July 2024 | | | | | | | | | 30 |
| Farm mechanization | Threshing of ragi by OUAT mini ragi thresher | 1 | 1 | Off | Nov 2024 | | | | | | | | | 30 |
| Farm mechanization | Threshing of green gram using power operated pulse thresher | 1 | 1 | Off | Feb 2025 | | | | | | | | | 30 |
| Moisture conservation | Mulching in vegetable crops for water conservation and | 1 | 1 | Off | Oct. 2024 | | | | | | | | | 30 |

| 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 |
| | suppression of weeds | | | | | | | | | | | | | |
| Micro irrigation | Use of micro irrigation system in horticultural crops | 1 | 1 | Off | Dec. 2024 | | | | | | | | | 30 |
| Farm Mechanisation | Use of tractor drawn rice straw Baler for collection and utilization of crumpled straw in mushroom production | 1 | 1 | Off | Jan 2025 | | | | | | | | | 30 |
| IDM | Neck blast management in kharif rice | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |
| IPM | Stem borer management in rice | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |
| IPM | YMV management in greengram | 1 | 1 | Off | Dec. 2024 | | | | | | | | | 30 |
| IPM | Management of FAW in maize | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| INM | Biofertilizer application in vegetables | 1 | 1 | Off | August 2024 | | | | | | | | | 30 |
| IPM | Pest management in sesame | 1 | 1 | Off | Sept. 2024 | | | | | | | | | 30 |
| IDPM | Wilt management in brinjal and tomato | 1 | 1 | Off | Oct.2024 | | | | | | | | | 30 |
| IPM | Pests of rice and its management | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| IDM | Disease management in sesame | 1 | 1 | Off | Dec. 2024 | | | | | | | | | 30 |
| IDPM | Management of pests and diseases of cucurbits | 1 | 1 | Off | Nov 2024 | | | | | | | | | 30 |
| IDPM | Management of pests and diseases of crusiferous vegetable crops | 1 | 1 | Off | Nov 2024 | | | | | | | | | 30 |
| IDPM | Management of pests and diseases of flower crops | 1 | 1 | Off | Dec. 2024 | | | | | | | | | 30 |
| Dairy management | Clean milk production | 1 | 1 | Off | Oct.2024 | | | | | | | | | 30 |
| Housing management | Effect of different housing systems on body weight gain | 1 | 1 | Off | Sept. 2024 | | | | | | | | | 30 |

| 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 |
| | performance of goats | | | | | | | | | | | | | |
| Feed management | Different types of fodder production in dairy farming | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |
| Disease management | Prevention and control of different diseases of cattle having economic impact on dairy sector | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Disease management | Different diseases of poultry and measures taken for prevention and control of diseases | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Poultry management | Production performance of different dual purpose breeds in semi intensive backyard condition | 1 | 1 | Off | Sept. 2024 | | | | | | | | | 30 |
| Feed management | Effect of mineral mixture supplementation to improve production performance of goat in periparturient period | 1 | 1 | Off | Jan. 2025 | | | | | | | | | 30 |
| Goat farming | Goat meat and meat products | 1 | 1 | Off | Feb 2025 | | | | | | | | | 30 |
| Feed management | Low cost concentrate mixtures on milk production in dairy cows | 1 | 1 | Off | Dec.2024 | | | | | | | | | 30 |
| Feed management | Inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed formulation | 1 | 1 | Off | Dec. 2024 | | | | | | | | | 30 |
| Poultry management | Small scale quail farming | 1 | 1 | Off | Nov. 2024 | | | | | | | | | 30 |
| | | | | | | | | | | | | | | |
| Production technology | Package practice of Eucalyptus plantation | 1 | 1 | Off | June 2024 | | | | | | | | | 30 |
| Production | Plants suitable for fuel | 1 | 1 | Off | June 2024 | | | | | | | | | 30 |

| 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 |
| technology | wood, timber and pulp wood | | | | | | | | | | | | | |
| Integrated farming system | Inter cropping in Mango orchards | 1 | 1 | Off | July 2024 | | | | | | | | | 30 |
| Integrated farming system | Cashew based Agro forestry system | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Production system | Package of practice of Broom grass | 1 | 1 | Off | Aug. 2024 | | | | | | | | | 30 |
| Production technology | Propagation technologies of bamboo. | 1 | 1 | Off | Sept. 2024 | | | | | | | | | 30 |
| Production technology | Importance herbal plants for entrepreneurship development | 1 | 1 | Off | Oct. 2024 | | | | | | | | | 30 |
| Production technology | Preparation of incense stick from locally available raw material | 1 | 1 | Off | Nov 2024 | | | | | | | | | 30 |
| Value addition of Forest Product | Preparation of Jaggery from Palmyra palm Sap | 1 | 1 | Off | Dec.2024 | | | | | | | | | 30 |
| Value addition of Forest Product | Preparation of mango split by pit method | 1 | 1 | Off | Jan 2025 | | | | | | | | | 30 |
| Value addition of Forest Product | Value addition of Mahua flower | 1 | 1 | Off | Feb. 2025 | | | | | | | | | 30 |
| Nutritional garden | Crop planning and method of vegetable seedling production for nutritional garden | 1 | 1 | Off | July, 2024 | | | | | | | | | 30 |
| Income generation | Disease and pests in mushroom | 1 | 1 | Off | Aug, 2024 | | | | | | | | | 30 |
| Capacity Building and Group Dynamics | Formation and management of SHG | 1 | 1 | Off | Aug, 2024 | | | | | | | | | 30 |
| Income generation | Income generating activities for rural women | 1 | 1 | Off | Sept, 2024 | | | | | | | | | 30 |
| Entrepreneurship Development | Entrepreneurship development among rural | 1 | 1 | Off | Sept, 2024 | | | | | | | | | 30 |

| 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 |
| | youth | | | | | | | | | | | | | |
| Capacity Building and Group Dynamics | FPO management | 1 | 1 | Off | Oct, 2024 | | | | | | | | | 30 |
| Leadership development | Leadership development among rural youth | 1 | 1 | Off | Oct, 2024 | | | | | | | | | 30 |
| Income generation | Oyster mushroom production | 1 | 1 | Off | Nov, 2024 | | | | | | | | | 30 |
| ICT | Application of ICT in agriculture | 1 | 1 | Off | Dec, 2024 | | | | | | | | | 30 |
| ITK | Use of ITKs in agriculture | 1 | 1 | Off | Jan,2025 | | | | | | | | | 30 |
| Value addition | Value added products of oyster mushroom | 1 | 1 | Off | Feb, 2025 | | | | | | | | | |

**(a) 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 |
| Export potential of ornamental plants | Commercial floriculture | 1 | 1 | On | Jan. 2025 | | | | | | | | | 20 |
| Production system | Cultivation practices in Cucurbitaceous Crop. | 1 | 1 | On | Dec.2024 | | | | | | | | | 20 |
| Organic farming | Production of organic pesticides for management of important pest and diseases of major crops | 1 | 1 | On | Nov 2024 | | | | | | | | | 20 |
| Bio pesticide | Mass multiplication of T. viridae | 1 | 1 | On | Dec 2024 | | | | | | | | | 20 |
| Feed management | UMMB supplementation for improving milk yield in dairy cows | 1 | 1 | On | Nov 2024 | | | | | | | | | 20 |
| Nursery management | Nursery technique of forest tree species | 1 | 1 | Off | Jan. 2025 | | | | | | | | | 20 |
| Micro irrigation | Use of micro irrigation system in horticultural crops | 1 | 1 | Off | Jan 2025 | | | | | | | | | 20 |

| 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 |
| FPO management (Agril. Ext.) | FPO management & business plan development | 1 | 3 | On | Sept,2023 | | | | | | | | | 20 |
| Production technology | Seed production in Groundnut | 1 | 1 | on | March 2025 | | | | | | | | | 20 |

**(b) 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 |
| IFS | IFS approach for sustainable Agricultural production | 1 | 1 | off | January 2025 | | | | | | | | | 20 |
| Organic production | Vermicompost ,vermin and vermiwash production technology for entrepreneurship development in Agriculture. | 1 | 1 | off | july,2024 | | | | | | | | | 20 |
| Production system | Commercial vegetable Cultivation for different agro ecosystem | 1 | 1 | On | Dec.2024 | | | | | | | | | 20 |
| Production system | Production technology of high value crops | 1 | 1 | On | Aug. 2024 | | | | | | | | | |
| IPM | Detection and diagnosis of important pests and diseases of major horticultural crops and its management | 1 | 1 | On | July 2024 | | | | | | | | | 20 |
| Disease management | Ethnoveterinary medicines | 1 | 1 | On | Dec. 2024 | | | | | | | | | 20 |
| | | | | | | | | | | | | | | |
| | | | | | | | | | | | | | | |
| Moisture conservation | Moisture conservation | 1 | 1 | On | Nov 2024 | | | | | | | | | 20 |

| 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 |
| | technologies in rabi pulses | | | | | | | | | | | | | |
| Climate resilient agriculture | Climate resilient agriculture practices | 1 | 1 | Off | Sept 2024 | | | | | | | | | 30 |
| Integrated farming system | Different Agro-forestry models for sustainable land management | 1 | 1 | On | Aug. 2024 | | | | | | | | | 20 |
| Climate resilience agriculture | Climate resilience practices for Forest and Horticulture Crops | 1 | 1 | On | Feb-2025 | | | | | | | | | 20 |
| Group dynamics | Formation and management of SHG | 1 | 1 | On | Sept,2023 | | | | | | | | | 20 |
| Nutritional Security | Nutritional garden for nutritional security of farm families | 1 | 1 | On | Dec. 2024 | | | | | | | | | 20 |

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

**Farmers and Farm women**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| **I. Crop Production** | | | | | | | | | | | | | |
| Weed Management | 2 | | | | | | | | | | | | 60 |
| Resource Conservation Technologies | | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | | |
| Water management | | | | | | | | | | | | | |
| Seed production | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | 5 | | | | | | | | | | | | 150 |
| Fodder production | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Production of organic inputs | 1 | | | | | | | | | | | | 30 |
| Others, (cultivation of crops ) | 3 | | | | | | | | | | | | 90 |
| TOTAL | 11 | | | | | | | | | | | | 330 |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | 3 | | | | | | | | | | | | 90 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | 1 | | | | | | | | | | | | 30 |
| Skill development | 1 | | | | | | | | | | | | 30 |
| Yield increment | | | | | | | | | | | | | |
| Production of low volume and high value crops | 1 | | | | | | | | | | | | 30 |
| Off-season vegetables | 1 | | | | | | | | | | | | 30 |
| Nursery raising | 1 | | | | | | | | | | | | 30 |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | | |
| Others, if any (Cultivation of Vegetable) | | | | | | | | | | | | | |
| **TOTAL** | 8 | | | | | | | | | | | | **240** |
| **b) Fruits** | | | | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | | | | |
| Layout and Management of Orchards | 1 | | | | | | | | | | | | 30 |
| Cultivation of Fruit | | | | | | | | | | | | | |
| Management of young plants/orchards | 1 | | | | | | | | | | | | 30 |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | | |
| Others, if any(INM) | | | | | | | | | | | | | |
| **TOTAL** | **2** | | | | | | | | | | | | **60** |
| **c) Ornamental Plants** | | | | | | | | | | | | | |
| Nursery Management | | | | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Others, if any | 1 | | | | | | | | | | | | 30 |
| **TOTAL** | **1** | | | | | | | | | | | | **30** |
| **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** | **11** | | | | | | | | | | | | **330** |
| **III. Soil Health and Fertility Management** | | | | | | | | | | | | | |
| Soil fertility management | | | | | | | | | | | | | |
| Soil and Water Conservation | | | | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Management of Problematic soils | | | | | | | | | | | | | |
| Micro nutrient deficiency in crops | | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Dairy Management | 1 | | | | | | | | | | | | 30 |
| Poultry Management | 1 | | | | | | | | | | | | 30 |
| Piggery Management | | | | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | 1 | | | | | | | | | | | | 30 |
| Feed management | 4 | | | | | | | | | | | | 120 |
| Production of quality animal products | 1 | | | | | | | | | | | | 30 |
| Others, if any (Goat farming) | 3 | | | | | | | | | | | | 90 |
| **TOTAL** | 11 | | | | | | | | | | | | **330** |
| **V. Home Science/Women empowerment** | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | | | | | | | | | | | | | |
| Design and development of low/minimum cost diet | | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | | | | | | | | | | | | | |
| Minimization of nutrient loss in processing | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Storage loss minimization techniques | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Income generation activities for empowerment of rural Women | | | | | | | | | | | | | |
| Location specific drudgery reduction technologies | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Capacity building | | | | | | | | | | | | | |
| Women and child care | | | | | | | | | | | | | |
| Others, if any | 2 | | | | | | | | | | | | 60 |
| **TOTAL** | 2 | | | | | | | | | | | | **60** |
| **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 | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Small scale processing and value addition | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Others, if any | 10 | | | | | | | | | | | | 300 |
| **TOTAL** | 11 | | | | | | | | | | | | **330** |
| **VII. Plant Protection** | | | | | | | | | | | | | |
| Integrated Pest Management | 5 | | | | | | | | | | | | 150 |
| Integrated Disease Management | 3 | | | | | | | | | | | | 90 |
| Bio-control of pests and diseases | | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | | | | |
| Others, if any(Natural Farming) | 3 | | | | | | | | | | | | 90 |
| **TOTAL** | 11 | | | | | | | | | | | | **330** |
| **VIII. Fisheries** | | | | | | | | | | | | | |
| Integrated fish farming | | | | | | | | | | | | | |
| Carp breeding and hatchery management | | | | | | | | | | | | | |
| Carp fry and fingerling rearing | | | | | | | | | | | | | |
| Composite fish culture & fish disease | | | | | | | | | | | | | |
| Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond | | | | | | | | | | | | | |
| Hatchery management and culture of freshwater prawn | | | | | | | | | | | | | |
| Breeding and culture of ornamental fishes | | | | | | | | | | | | | |
| Portable plastic carp hatchery | | | | | | | | | | | | | |
| Pen culture of fish and prawn | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Edible oyster farming | | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | | |
| Fish processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **IX. Production of Inputs at site** | | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | | | | |
| Organic manures production | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| 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 | 2 | | | | | | | | | | | | 60 |
| Group dynamics | 2 | | | | | | | | | | | | 60 |
| Formation and Management of SHGs | 1 | | | | | | | | | | | | 30 |
| Mobilization of social capital | | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | 1 | | | | | | | | | | | | 30 |
| WTO and IPR issues | | | | | | | | | | | | | |
| Others, if any | 3 | | | | | | | | | | | | 90 |
| TOTAL | 9 | | | | | | | | | | | | 270 |
| **XI Agro-forestry** | | | | | | | | | | | | | |
| Production technologies | 6 | | | | | | | | | | | | 180 |
| Nursery management | | | | | | | | | | | | | |
| Integrated Farming Systems | 2 | | | | | | | | | | | | 60 |
| Value addition of forest product | 3 | | | | | | | | | | | | 90 |
| **TOTAL** | 11 | | | | | | | | | | | | **330** |
| **XII. Others (Pl. Specify)** | | | | | | | | | | | | | |
| **TOTAL** | 77 | | | | | | | | | | | | **2310** |

**Rural youth**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Mushroom Production | | | | | | | | | | | | | |
| Bee-keeping | | | | | | | | | | | | | |
| Integrated farming | | | | | | | | | | | | | |
| Seed production | 1 | | | | | | | | | | | | 20 |
| Production of organic inputs | 1 | | | | | | | | | | | | 20 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Planting material production | 1 | | | | | | | | | | | | 20 |
| Vermi-culture | | | | | | | | | | | | | |
| Sericulture | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | 1 | | | | | | | | | | | | 20 |
| Commercial fruit production | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| Nursery Management of Horticulture crops | | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | |
| Dairying | 1 | | | | | | | | | | | | 20 |
| Sheep and goat rearing | | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | | | | | | | | | | | | | |
| Ornamental fisheries | | | | | | | | | | | | | |
| Para vets | | | | | | | | | | | | | |
| Para extension workers | | | | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Others if any (ICT application in agriculture) | 4 | | | | | | | | | | | | 80 |
| **TOTAL** | **9** | | | | | | | | | | | | **180** |

**Extension functionaries**

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Productivity enhancement in field crops | 1 | | | | | | | | | | | | 20 |
| Integrated Pest Management | 1 | | | | | | | | | | | | 20 |
| Integrated Nutrient management | 1 | | | | | | | | | | | | 20 |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Protected cultivation technology | 1 | | | | | | | | | | | | 20 |
| Formation and Management of SHGs | 1 | | | | | | | | | | | | 20 |
| Group Dynamics and farmers organization | | | | | | | | | | | | | |
| Information networking among farmers | | | | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | 2 | | | | | | | | | | | | 40 |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | 2 | | | | | | | | | | | | 40 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | | ST | | | Other | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Livestock feed and fodder production | | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | |
| Others if any | 5 | | | | | | | | | | | | 100 |
| **TOTAL** | **14** | | | | | | | | | | | | **280** |

**4. Frontline demonstration to be conducted***

**FLD 1:** Demonstration on Tractor drawn seed cum fertilizer drill for direct seeding of groundnut (Code-23FAE03 (K))

**Crop**: Rice
**Thrust Area**:
**Thematic Area**: Farm mechanization
**Season**: Kharif 2024
**Farming Situation**: Upland rainfed

| 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 | 1 | Demonstration on Tractor drawn seed cum fertilizer drill for direct seeding of groundnut | Field capacity (ha/ha), Field efficiency (%), Germination(%), 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 | Training on tractor drawn seed cum fertilizer drill for direct seeding of groundnut | 1 | F/FW | 1 | off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 2:** Demonstration on Green gram thresher (Code-23FAE02(R))

**Crop**: Greengram
**Thrust Area**:
**Thematic Area**: Farm mechanization
**Season**:Rabi 2024-25
**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 |
| 2 | Greengram | 5 | Demonstration on Green gram thresher | Efficiency (%),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 | Training on green gram thresher | 1 | F/FW | 1 | | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 3:** Demonstration of tractor drawn inclined plate planter for line sowing of ragi (Code-24FAE09(K))

**Crop**: Ragi
**Thrust Area**:
**Thematic Area**: Farm mechanization
**Season**: Kharif -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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 3 | Ragi | 5 | Line sowing by tractor drawn seed cum fertilizer drill) | Field capacity (ha/ha), Field efficiency (%), Operational Cost Saving (Rs/ha), MD Saving (MD/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 | Line sowing of ragi by tractor drawn multi crop planter | 1 | F/FW | 1 | | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 4:** Demonstration of tractor drawn multi-crop seed cum fertilizer drill for Direct Seeding of Rice (**Code-**23FAE01 (K))

**Crop**: Rice

**Thematic Area**: Farm mechanization

**Season**: Rabi 2024-25

**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 |
| 4 | Rice | 2 ha | By tractor operated multi crop seed cum fertilizer drill | Field capacity (ha/ha), Field efficiency (%), Germination(%), 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 | Training on tractor drawn multi-crop seed cum fertilizer drill for direct seeding of Rice | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 5:** Demonstration of Tractor drawn rice straw Baler (**Code-**24FAE10 (K))

**Crop**: Rice
**Thrust Area**:
**Thematic Area**: Rice waste management
**Season**: Rabi 2024-25
**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 |
| 5 | Rice | 3 ha | Collection of straw in shape of bales by tractor drawn straw baler (for mushroom cultivation) | Field capacity (ha/ha), Efficiency, economics | | | | | | | | | | | | 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 tractor drawn rice straw Baler | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 40 |

**FLD 6:** Demonstration on weed management in sunflower (Code-24FAG28(R))

**Crop**: Sunflower
**Thrust Area**:
**Thematic Area**: IWM
**Season**: Rabi 2024-25
**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 |
| 6 | Sunflower | 1ha | Post emergence application of Quizalofop p-ethyl 5% EC @1.5 ml/lit at 15 DAS followed by one intercultural operations at 30 DAS | Weed counts/$m^2$,yield, economics | | | | | | | | | | | | 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 | Integrated nutrient management in Sunflower | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 40 |

**FLD7:** Demonstration on weed management in transplanted rice ( Code-24FAG08(K))

**Crop**: Rice
**Thrust Area**: IWM
**Thematic Area**: IWM
**Season**: Kharif 2024
**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 |
| 7 | Rice | 1ha | Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fb Penoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT | Weed counts/$m^2$, yield, economics | | | | | | | | | | | | 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 | Production technology for HYV rice in irrigate medium land | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 40 |

**FLD 8:** Demonstration on ICM in groundnut (Code-24FAG22(K))

**Crop**: Groundnut
**Thrust Area**:
**Thematic Area**: ICM
**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 |
| 8 | Groundnut | 1ha | Groundnut var Dharani, STBF + gypsum @2.5q/ha and Boron 1kg/ha + Trichoderma. Pre emergence application of Pendimethalin @2.5 l/ha fb post emergence application of Quizalofop p ethyl 1000ml/ha with mechanical harvesting | Nos. of pods/ plant, yield, economics | | | | | | | | | | | | 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 | Improved production tecnology for groundnut | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 40 |

**FLD 9:** Demonstration of high yielding variety of sesamum Ashrit ( Code-24FAG26(R))

**Crop**: Sesamum
**Thrust Area**:
**Thematic Area**: Varietal triel
**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 |
| 9 | Sesamum | 1ha | var. Ashrit(OSM-22) ( Duration 87-93 Days) | 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 | INM in Sesamum | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 40 |

**FLD 10: Demonstration on high yielding tomato variety Kalinga Tomato 121(**Code-**24FHO03(R))**

**Crop**: Tomato
**Thrust Area**:
**Thematic Area**: Varietal Evaluation
**Season**: Rabi 2024-25
**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 |
| 10 | Tomato | 1ha | Cultivation of tomato variety Kalinga Tomato 121 which is wilt tolerant with an yield potential of 300-350 q/ha | No. of fruits/plant, Wt. of the fruit (gm), 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 | Package and practice of cultivation of High yielding tomato | 1 | F/FW | 1 | Off | | | | | | | | | **30** |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 11:** Demonstration on turmeric as intercrop in mango orchard (Code-24FHO22 (K))

**Crop**: Mango and turmeric
**Thrust Area**:
**Thematic Area**: Agro forestry system
**Season**:Kharif-2024
**Farming Situation**: Rainfed 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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 11 | Mango and turmeric | 1ha | Var. Roma, seeding rhizome @ 1500kg/ha spacing 60 x 30 cm, fertilizer dose 120:60:60 kg N:P:K per ha., Mango spacing 7mx7m, average yield of turmeric as intercrop 10-15tonnes/ha | No of fingers/plant, Fresh wt. of Rhizome (g), Yield q/ha, Economics | | | | | | | | | | | | 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 | Turmeric as intercrop in mango orchard | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD12:** Demonstration of application of micronutrients for increasing marketable fruit yield in tomato (Code-23FHO45(K/R))

**Crop**: Tomato

**Thrust Area**:

**Thematic Area**:INM

**Season**:Rabi 2023-2024

**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 |
| 12 | Tomato | 1ha | RDF with use of Arka Vegetable Micronutrient Formulation as spray after flowering @ 10-20 g/litre | Single fruit weight (gm), No. of fruits/plant, 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 | Application of micronutrients for increasing marketable fruit yield in tomato | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 13:** Demonstration of marigold variety Bidhan marigold 2 for higher yield (Code-23FHO46(K/R))

**Crop**: Marigold
**Thrust Area**:
**Thematic Area**: Varietal Evaluation
**Season**: Rabi 2023-2024
**Farming Situation**: Upland, irrigated

| 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 |
| 13 | Marigold | 1ha | Bidhan Marigold 2 | No. of flower per plant, Flower wt(g), economics | | | | | | | | | | | | 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 | Cultivation practices of marigold | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD14:** Demonstration on Management of Neck-blast in Rice (**Code -** 24FPP01(K))

**Crop**: Rice
**Thrust Area**:
**Thematic Area**: IDM
**Season**: Kharif 2024
**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 |
| 14 | Rice | 1ha | Seed treatment with (Carboxin 37.5% + Thiram 37.5%) WP @ 2.5 g/kg seed and two sprays of (Trifloxystrobin 25% + Tebuconazole 50% WG) @ 200 g/ha at 15 days interval starting first spray at leaf blast disease appearance | PDI %, Yield, ICBR and farmers' feedback | | | | | | | | | | | | 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 Neck-blast in Rice** | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Method demonstration | Skip row planting | 1 | F/FW | 2 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 15:** Demonstration on Bio-intensive pest management in Okra (**Code -** 24FPP19(K))

**Crop**: Okra
**Thrust Area**:
**Thematic Area**: IPM
**Season**: Rabi 2024-25
**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 |
| 15 | Okra | 0.4 ha | Installation of yellow sticky trap @ 50 nos/ha at 25 DAS, foliar spray with Neem oil 1500 ppm @ 3ml/l at 20 and 40 DAS followed by Foliar spray with *Metarrhizium anisopliae* @ (2 x $10^8$ cfu) @ 2 g/l water at 40 and 50 DAS | No. of YVMV infected plants/10 $m^2$, no. of borer affected fruits/plant, Cost of intervention, Yield, ICBR and farmers' feedback | | | | | | | | | | | | 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 pests in Okra | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 16:** Demonstration on management of Downy mildew disease in Bittergourd **(Code -** 24FPP23(K))

**Crop**: Bittergourd
**Thrust Area**:
**Thematic Area**: IDM
**Season**: Kharif 2024
**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 |
| 16 | Bittergourd | 1ha | eed treatment with (Carboxin 37.5% + Thiram 37.5% DS) @ 2 g/kg of seed, three times removal of lower infected leaves & spraying with (Metalxyl 8% + Mancozeb 64% WP) @ 2 g/l alternately with Cymoxanil 8% + Mancozeb 64% WP) @ 2 g/l | PDI (%), Cost of intervention, Yield, ICBR and farmers' feedback | | | | | | | | | | | | 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 diseases in Bitter gourd | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Method demonstration | Release of Trichocard | 5 | F/FW | 5 | Off | | | | | | | | | 50 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 25 |

**FLD17:** Demonstration on IDM practices for viral disease management in Watermelon **(Code -** 24FPP29(R))

**Crop**: Watermelon

**Thrust Area**:

**Thematic Area**: IDM

**Season**: Rabi 2024-25

**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 |
| 17 | Watermelon | 1ha | Rotational spraying of Spinetoram 11.7 SC @1.0 ml/l, Acetamiprid 20 SP @ 0.5 g/l, Fipronil 5% SC @ 1.5 ml/l and Alpha cyhalothrin @ 1.0 ml/l at weekly intervals starting from 20 DAG and growing maize as border crop | PDI (%), Cost of intervention, Yield, ICBR and farmers' feedback | | | | | | | | | | | | 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 disease in Watermelon | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | Off | | | | | | | | | 30 |

**FLD 18:** Demonstration on sesame as inter crop in cashew based agro-forestry system (Code-23FAF03(K))

**Crop**: Sesame
**Thrust Area**:
**Thematic Area**: Agroforestry
**Season**: Kharif-2024
**Farming Situation**: Rainfed 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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 18 | Sesame | 1ha | Cultivation of sesame as intercrop in Cashew plantation (7mt X 7mt spacing) during initial three years of establishment | Intercrop yield, system yield, economics | | | | | | | | | | | | 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 | Sesame as inter crop in Cashew Based Agro-forestry System | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 19:** Demonstration on cultivation of broom grass for enhancing income from rural livelihood (Code-23FAF05(K))

**Crop**: Broom grass
**Thrust Area**:
**Thematic Area**: Income generation
**Season**: Kharif-2024
**Farming Situation**: Rainfed ,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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 19 | Broom grass | 0.4 ha | Planting of broom grass root slips in contour lines with a spacing of 2mt x 2mt. | Yield, B:C ratio | Broom grass rhizome cutting | 5000 | 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 |
| Training | Package of practice of Broom grass | 1 | F/FW | 1 | OFF | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 20:** Demonstration of pine apple in Mango based Agroforestry system (Code-23FAF04(K))

**Crop**: Pine apple
**Thrust Area**:
**Thematic Area**: Agro forestry
**Season**: Kharif 2023-24
**Farming Situation**: Rainfed ,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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 20 | Pine apple | 1 | Pine apple suckers were planted in 60cm x 30 cm in raise bed in Mango orchard (10mt X 10mt spacing) | Intercrop yield, system yield, economics | | | | | | | | | | | | 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 | Inter cropping in Mango orchards | 1 | F/FW | 1 | OFF | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 21: Demonstration on power operated mahua flower stamen remover (Code-24FHO06(K/R))**

**Crop**: Mahua
**Thrust Area**: Value addition
**Thematic Area**:
**Season**: Round the year
**Farming Situation**: Rainfed, 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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 21 | Mahua | 10 nos | Removal of stamen by power operated mahua flower stamen remover of capacity 20kg/hr. | stamen remover of capacity kg/hr. 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 | Training on **power operated mahua flower stamen remover** | 1 | F/FW | 1 | OFF | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 22:** Demonstration on low cost concentrate mixture on milk production in dairy cows
**Crop**: Dairy
**Thrust Area**:
**Thematic Area**: Feed Management
**Season**: Round the year
**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 |
| 22 | Dairy | 10 | Demonstration on low cost concentrate mixture on milk production in dairy cows | Ave milk(lt)/cow/day, Fat and SNF% and 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 | low cost concentrate mixture on milk production in dairy cows | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 23:** Demonstration on mineral mixture supplementation to improve production performance of goat in periparturient period `

**Crop**: Goat

**Thrust Area**:

**Thematic Area**: Feed management

**Season**: Round the year

**Farming Situation**: Semi -intensive

| 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 |
| 23 | Goat | 10 | Effect of mineral mixture supplementation to improve production performance of goat in periparturient period ` | Body wt gain (3, 6,9,12 mnths), mortality, 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 |
| Training | Effect of mineral mixture supplementation to improve production performance of goat in periparturient period ` | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 24:** Demonstration on OUAT Kalinga Palishree in backyard system (23FAS01 (R))

**Crop**: Poultry

**Thrust Area**:

**Thematic Area**: Poultry management

**Season**: Round the year

**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 |
| 24 | Poultry | 10 | Demonstration of poultry breed-OUAT Kalinga Palishree in backyard system | Body wt at 6month, annual egg production, economics | | | | | | | | | | | | 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 | OUAT Kalinga Palishree in backyard system | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 25:** Demonstration on small scale quail farming

**Crop**: Poultry
**Thrust Area**:
**Thematic Area**: Poultry management
**Season**: Round the year
**Farming Situation**: Semi-Intensive poultry farming

| 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 |
| 25 | Quail | 10 | Small scale quail farming | Avg meat yield in 6 wks, Ave. egg production/yr and Economics | | | | | | | | | | | | 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 | Small scale quail farming | 1 | F/FW | 1 | Off | | | | | | | | | 30 |
| Field day | Field day | 1 | F/FW | 1 | off | | | | | | | | | 30 |

**FLD 26:** Demonstration on transfer of technology through harnessing human values in agriculture- 23FEE03(Y)*

**Crop**: Agriculture and allied sectors

**Thrust Area**:

**Thematic Area**: Group dynamics

**Season**: Kharif & Rabi 2024-25

**Farming Situation**:

| 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 |
| 26 | Agriculture and allied sector | 20 | Progressive farmers designated by an organization as per the domain of specialization serves as an ambassador of change in the process of technology transfer. (Farmer scientist, farmer professor, farm captain, blue farmer of the district, mushroom lady etc.) | Change in knowledge, change in skill, change in attitude | | | | | | | | | | | | 20 |

**27. Impact study on adoption of OUAT released rice varieties through demonstration- 24IA/RICE**

**FLD 28:** Demonstration of usefulness of crop calendar for improving the technical knowledge of farmers and application of technology- 23FEE03(Y)*

**Crop**: Ground nut
**Thrust Area**: Technology dissemination
**Thematic Area**:
**Season**: Rabi 2024-25
**Farming Situation**: Medium land and 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 | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 28 | Ground nut | 10 | Providing crop calendar with multi colour pictorial, concise and Season specific message, very informative and particular information regarding specific technology for improving the technical know how of farmers. | Adoption percentage, constraints | | | | | | | | | | | | 20 |

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

| Name of the Crop / Enterprise | Variety / Type | Period From Jan, 2024 to Dec, 2024 | Area (ha.) | Details of Production | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Type of Produce | Expected Production (quintals)/Nos. | Cost of inputs (Rs.) | Expected Gross income (Rs.) | Expected Net Income (Rs.) |
| Rice | Kala champa | August, 2024 to December, 2024 | 5.0 | FS | 180 | 4,10,000/- | 6,40,000/- | 2,30,000/- |
| Cauliflower | Pusa snowball | August, 2024 to November, 2024 | | QPM | 5000 Nos. | 4500/- | 11250/- | 6750/- |
| Cabbage | Pusa drumhead | August, 2024 to November, 2024 | | QPM | 5000 Nos. | 4500/- | 11250/- | 6750/- |
| Tomato | Arka Samrat | April, 2024 to March, 2024 | | QPM | 30000 Nos. | 30000/- | 75000/- | 45000/- |
| Brinjal | Akshita, | April, 2024 to March, 2025 | | QPM | 30000 Nos. | 30000/- | 75000/- | 45000/- |
| Chilli | VNR-305 | April, 2024 to March, 2025 | | QPM | 7000Nos. | 3000/- | 12500/- | 9500/- |
| Guava goti | BIHI | April, 2024 to March, 2025 | | QPM | 2000 Nos. | 50000/- | 1,20,000/- | 70,000/- |
| Papaya | Red lady | April, 2024 to March, 2025 | | QPM | 3000Nos. | 12000/- | 20500/- | 8500/- |
| Pomogranate | Bhagua | April, 2024 to March, 2025 | | QPM | 500 nos. | 12000/- | 20000/- | 8000/- |

**b) Village Seed Production Programme**

| Name of the Crop / Enterprise | Variety / Type | Period From Jan, 2023 to Dec, 2023 | 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.) |
| NA | | | | | | | | | |

### 3. 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 | 30 | | | | | | | | | | |
| 2. | KisanMela | 1 | | | | | | | | | | |
| 3. | KisanGhosthi | 5 | | | | | | | | | | |
| 4. | Exhibition | 7 | | | | | | | | | | |
| 5. | Film Show | 10 | | | | | | | | | | |
| 6. | Method Demonstrations | 10 | | | | | | | | | | |
| 7. | Farmers Seminar | 2 | | | | | | | | | | |
| 8. | Workshop | 1 | | | | | | | | | | |
| 9. | Group meetings | 40 | | | | | | | | | | |
| 10. | Lectures delivered as resource persons | 40 | | | | | | | | | | |
| 11. | Advisory Services | 60 | | | | | | | | | | |
| 12. | Scientific visit to farmers field | 850 | | | | | | | | | | |
| 13. | Farmers visit to KVK | 1500 | | | | | | | | | | |
| 14. | Diagnostic visits | 32 | | | | | | | | | | |
| 15. | Exposure visits | 15 | | | | | | | | | | |
| 16. | Ex-trainees Sammelan | 2 | | | | | | | | | | |
| 17. | Soil health Camp | 0 | | | | | | | | | | |
| 18. | Animal Health Camp | 1 | | | | | | | | | | |
| 19. | Agri mobile clinic | 0 | | | | | | | | | | |
| 20. | Soil test campaigns | 0 | | | | | | | | | | |
| 21. | Farm Science Club Conveners meet | 0 | | | | | | | | | | |
| 22. | Self Help Group Conveners meetings | 2 | | | | | | | | | | |
| 23. | MahilaMandals Conveners meetings | 1 | | | | | | | | | | |
| 24. | Celebration of important days | 5 | | | | | | | | | | |
| 25. | Sankalp Se Siddhi | | | | | | | | | | | |
| 26. | Swatchta Hi Sewa | 8 | | | | | | | | | | |
| 27. | Mahila Kisan Diwas | 1 | | | | | | | | | | |
| 28. | Any Other (Poshan Maha,Mandia Diwas,Girl Child Day,Pulse Day) | 4 | | | | | | | | | | |
| | **Total** | **2627** | | | | | | | | | | |

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

| Opening balance of 2024-2025 (As on 01.04.2024) | Amount proposed to be invested during 2024-2025 | Expected Return |
|---|---|---|
| 359886 | 1140000 | 1700000 |

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

| Project | Source | Amount to be received (Rs. in lakh) |
|---|---|---|
| OMBADC | OMBADC,Govt.of Odisha | **85.53** |

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

**OFT 1:** Assessment of medium duration rice varieties under rainfed condition (Code- 24OAG01(K))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif 2024 |
| **II.** | **Title of the OFT** | **:** | Assessment of medium duration rice varieties under rainfed condition |
| **III.** | **Thematic Area** | **:** | Crop production(Varietal) |
| **IV.** | **Problem diagnosed** | **:** | Less production from existing variety. |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | Rice-Rice |
| **VII.** | **Micro farming system** | **:** | Rainfed medium land |
| **VIII.** | **Technology for Testing** | **:** | |
| **IX.** | **Existing Practice** | **:** | Rice variety Lalat |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | To enhance yield of rice |
| **XII.** | **Treatments** | **:** | FP: Rice variety Lalat<br>$TO_1$: Kalinga Dhan 1203(semi dwarf, duration 135days, avg. yield 55.5t/ha, slender grain and excellent cooking quality)<br>$TO_2$-Kalinga Dhan 1204 (Duration 132 days, avg. yield- 5.2t/ha, slender grain, excellent cooking quality)<br>$TO_3$: Kalinga Dhan 1205( Duration 132 days,avg. Yield 5.1t/ha medium slender ,grain,Resistance to disease and pest |
| **XIII.** | **Critical Inputs** | **:** | Rice seeds |
| **XIV.** | **Unit Size** | **:** | |

| | | | |
|---|---|---|---|
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | Effective tillers/hill, no.of grains/panicle, , crop duration, Yield, Economics |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | OUAT, 2022,2021 |

**OFT 2:** Assessment of non-ragi millet crops for diversification of millet production system (Code- 24OAG05(K))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif 2024 |
| **II.** | **Title of the OFT** | **:** | Assessment of non-ragi millet crops for diversification of millet production system |
| **III.** | **Thematic Area** | **:** | Crop production |
| **IV.** | **Problem diagnosed** | **:** | Less market value,less production |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | Ragi- fallow |
| **VII.** | **Micro farming system** | **:** | Rainfed upland situation |
| **VIII.** | **Technology for Testing** | **:** | |
| **IX.** | **Existing Practice** | **:** | Finger millet |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | FP- Finger millet<br>$TO_1$ :Little millet<br>$TO_2$ :Pearl millet<br>$TO_3$ :Foxtail millet<br>$TO_4$ :Sorghum |
| **XIII.** | **Critical Inputs** | **:** | Seeds |
| **XIV.** | **Unit Size** | **:** | |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | Plant density and yield of individual crops, ragi equivalent yields, economics |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | IIMR, 2023 |

**OFT 3:** Assessment of OUAT 4 row bullock drawn seed drill for sowing Ragi (23OAE03 (K))

| | | | | |
|---|---|---|---|---|
| **I.** | | **Season** | **:** | Kharif 2024 |
| **II.** | | **Title of the OFT** | **:** | Assessment of OUAT 4 row bullock drawn seed drill for sowing Ragi |
| **III.** | | **Thematic Area** | **:** | Farm machinery |
| **IV.** | | **Problem diagnosed** | **:** | 1)Due to adverse climatic situation transplanting delayed resulting crop loss and low yield<br>2)Transplanting is time and labour consuming |
| **V.** | | **Important Cause** | **:** | |
| **VI.** | | **Production system** | **:** | |
| **VII.** | | **Micro farming system** | **:** | Rainfed upland situation |
| **VIII.** | | **Technology for Testing** | **:** | Technology option-I (TO-I): Sowing behind the plough<br>Technology option-II (TO-II): Sowing by OUAT 4 row bullock drawn seed drill |
| **IX.** | | **Existing Practice** | **:** | Farmers Practice (FP): Transplanting |
| **X.** | | **Hypothesis** | **:** | |
| **XI.** | | **Objective(s)** | **:** | |
| **XII.** | | **Treatments** | **:** | Technology option-I (TO-I): Sowing behind the plough<br>Technology option-II (TO-II): Sowing by OUAT 4 row bullock drawn seed drill |
| | | **Critical Inputs** | **:** | |
| | | **Unit Size** | **:** | |
| **XIII.** | | **No of Replications** | **:** | 7 |
| **XIV.** | | **Unit Cost** | **:** | |
| **XV.** | | **Total Cost** | **:** | |
| **XVI.** | | **Monitoring Indicator** | **:** | Field capacity (ha/h), Cost and Labour savings (%), Yield (q/ha), Cost of operation (Rs/ha), Cost of cultivation (Rs/ha), Net return (Rs/ha), BC ratio |
| **XVII.** | | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | Source: OUAT, 2021 |

**OFT 4:** Assessment of irrigation scheduling growth and yield of mustard (23OAE04(R))

| | | | |
|---|---|---|---|
| **I** | **Season** | **:** | Rabi 2024-25 |
| **II** | **Title of the OFT** | **:** | Assessment of irrigation scheduling growth and yield of mustard |
| **III** | **Thematic Area** | **:** | Water management |
| **IV** | **Problem diagnosed** | **:** | Low yield due to improper irrigation scheduling |
| **V** | **Important Cause** | **:** | |
| **VI** | **Production system** | **:** | |
| **VII** | **Micro farming system** | **:** | Irrigated upland |
| **VIII** | **Technology for Testing** | **:** | Technology option-I (TO-I): One Irrigation at Rosette stage<br>Technology option-II (TO-II): One Irrigation at Pod formation<br>Technology option-III(TO-III): Two Irrigations (1st at Rosette + 2nd at Pod Formation |
| **IX** | **Existing Practice** | **:** | Farmers Practice (FP): No irrigation |
| **X** | **Hypothesis** | **:** | |
| **XI** | **Objective(s)** | **:** | |
| **XII** | **Treatments** | **:** | Technology option-I (TO-I): One Irrigation at Rosette stage |
| | | | Technology option-II (TO-II): One Irrigation at Pod formation |
| | | | Technology option-III (TO-III): Two Irrigations (1st at Rosette + 2nd at Pod Formation |
| **XIII** | **Critical Inputs** | **:** | |
| **XIV** | **Unit Size** | **:** | |
| **XV** | **No of Replications** | **:** | 7 |
| **XVI** | **Unit Cost** | **:** | |
| **XVII** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | Source :CSAUAT,2022 |

**OFT 5: Assessment of off season tomato during summer season (Code-24OHO01(S))**

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Summer 2024-25 |
| **II.** | **Title of the OFT** | **:** | **Assessment of off season tomato during summer season** |
| **III.** | **Thematic Area** | **:** | Varietal evaluation |
| **IV.** | **Problem diagnosed** | **:** | |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | |
| **VII.** | **Micro farming system** | **:** | |
| **VIII.** | **Technology for Testing** | **:** | $TO_{1-}$ Arka Abhed (high yielding F1hybrid , semi determinate, multiple disease resistance fruits are firm , 90-100g),suitable for summer, kharif,rabi 140-150 days,70-75 t/ha<br>$TO_{2-}$ Arka Rakshak (High yielding F1 hybrid with triple disease resistance , fruits 90-100g 75-80t/ha, suitable round the year)<br>$TO_{3-}$ Arka Vikas ( pureline selection, suitable for rainfed and 80-90g, having heat tolerance more than 35degC)<br>$TO_{4:}$ Arka Vishesh (triple disease resistance F1 .plants are semi-dererminate with dark green foliage and jointless peduncle recommended for summer, kharif and rabi season.140-150 days. yield 43-90 t/ha |
| **IX.** | **Existing Practice** | **:** | |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | $TO_{1-}$ Arka Abhed (high yielding F1hybrid , semi determinate, multiple disease resistance fruits are firm , 90-100g),suitable for summer, kharif,rabi 140-150 days,70-75 t/ha.<br>$TO_{2-}$ Arka Rakshak (High yielding F1 hybrid with triple disease resistance , fruits 90-100g 75-80t/ha, suitable round the year)<br>$TO_{3-}$ Arka Vikas ( pureline selection, suitable for rainfed and 80-90g, having heat tolerance more than 35degC)<br>$TO_{4:}$ Arka Vishesh (triple disease resistance F1 .plants are semi-dererminate with dark green foliage and jointless peduncle recommended for summer, kharif and rabi season.140-150 days. yield 43-90 t/ha |
| **XIII.** | **Critical Inputs** | **:** | |
| **XIV.** | **Unit Size** | **:** | |

| | | | |
|---|---|---|---|
| **XV.** | **No of Replications** | **:** | |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | Parameters to be recorded- Wt. of fruits/plant (kg), No of fruit/plant (no), Wt of each fruit (g), Yield (q/ha) |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | IIHR.res.in 2023 |

**OFT 6:** Assessment of Papaya hybrids (24OHO14(K))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif 2024 |
| **II.** | **Title of the OFT** | **:** | Assessment of Papaya hybrids |
| **III.** | **Thematic Area** | **:** | Integrated nutrient management |
| **IV.** | **Problem diagnosed** | **:** | Low yield due to improper nutrient management |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | |
| **VII.** | **Micro farming system** | **:** | |
| **VIII.** | **Technology for Testing** | **:** | $TO_1$: Cultivation of Arka Prabhat,<br>(Av. fruit weight 1.34 kg, Yield / plant 23.79 kg, Fruit length 21.24 cm, Fruit diameter 11.61cm, TSS 7.36 o Bricks )<br>$TO_2$: Cultivation of Pusa Dwarf<br>(Dioecious var. dwarf plants and med-sized (1-2 kg) oval fruits. The plant starts bearing from 25 to 30 cm above-ground level and is comparatively drought hardy. Suitable for high density planting ) |
| **IX.** | **Existing Practice** | **:** | |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | $TO_1$: Cultivation of Arka Prabhat,<br>$TO_2$: Cultivation of Pusa Dwarf |
| **XIII.** | **Critical Inputs** | **:** | |
| **XIV.** | **Unit Size** | **:** | |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | Days to fruiting, Av. Fruit Weight (kg), No. of fruits /plant, Yield (q/ha), Economics |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | $TO_1$: IIHR, Bangalore, 2017<br>$TO_2$: IARI, 2019 |

**OFT 7:** Assessment of different management practices for YSB and Leaf folder in Rice (24OPP01(K))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif 2024 |
| **II.** | **Title of the OFT** | **:** | Assessment of different management practices for YSB and Leaf folder in Rice |
| **III.** | **Thematic Area** | **:** | IPM |
| **IV.** | **Problem diagnosed** | **:** | |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | |
| **VII.** | **Micro farming system** | **:** | |
| **VIII.** | **Technology for Testing** | **:** | **TO1:** Foliar spray of Flubendiamide 20% WG @ 125 g/ha at the vegetative phase and at flowering stage<br>**TO2:**Foliar spray with Tetraniliprole 20SC @ 250 ml/ha at 25, 45 and 65 DAT<br>**TO3:** Soil application twice of (Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G) @ 7.5 kg/ha at 30 DAT and PI stage |
| **IX.** | **Existing Practice** | **:** | |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | **TO1:** Foliar spray of Flubendiamide 20% WG @ 125 g/ha at the vegetative phase and at flowering stage<br>**TO2:**Foliar spray with Tetraniliprole 20SC @ 250 ml/ha at 25, 45 and 65 DAT<br>**TO3:** Soil application twice of (Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G) @ 7.5 kg/ha at 30 DAT and PI stage |
| **XIII.** | **Critical Inputs** | **:** | |
| **XIV.** | **Unit Size** | **:** | |
| **XV.** | **No of Replications** | **:** | |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | DH, WEH, Leaf folder infestation %, Egg mass/ hill, Yield, ICBR |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | **TO1 :** Dept. of Ento., OUAT, 2023<br>**TO2 :** AICRP on Rice, Chiplima, 2023<br>**TO3 :** RRTTS, Ranital, OUAT, 2023 |

**OFT 8:** Assessment of management practices against pod borer complex in Greengram(23OPP06(R))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Rabi 2024-25 |
| **II.** | **Title of the OFT** | **:** | Assessment of management practices against pod borer complex in Greengram |
| **III.** | **Thematic Area** | **:** | Integrated pest management |
| **IV.** | **Problem diagnosed** | **:** | Yield loss due to heavy pest attack |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | |
| **VII.** | **Micro farming system** | **:** | |
| **VIII.** | **Technology for Testing** | **:** | **$TO_1$:** Foliar spray of NSKE 5% at 30 DAS followed by Chlorantraniliprole 18.5 SC @ 200 ml/ha at 45 DAS<br>**$TO_2$:** Foliar spray of NEEM OIL 1500PPM @3ml/lit at 30 days after sowing (DAS) followed by Flubendiamide 39.35% SC 200 ml/ha at 45 DAS |
| **IX.** | **Existing Practice** | **:** | |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | T**$O_1$:** Foliar spray of NSKE 5% at 30 DAS followed by Chlorantraniliprole 18.5 SC @ 200 ml/ha at 45 DAS<br>**$TO_2$:** Foliar spray of NEEM OIL 1500PPM @3ml/lit at 30 days after sowing (DAS) followed by Flubendiamide 39.35% SC 200 ml/ha at 45 DAS |
| **XIII.** | **Critical Inputs** | **:** | |
| **XIV.** | **Unit Size** | **:** | |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | No. of damaged pods/plant, Yield, ICBR |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | T01: Dept. of Entomology, OUAT, 2023<br>T02: OUAT, AR, 2018 |

**OFT 9:** Assessment of Vermicomposting by different forest leaves (**24OAF01(K/R)**)

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif and Rabi 2024-25 |
| **II.** | **Title of the OFT** | **:** | Assessment of Vermicomposting by different forest leaves |
| **III.** | **Thematic Area** | **:** | |
| **IV.** | **Problem diagnosed** | **:** | |
| **V.** | **Important Cause** | **:** | |
| **VI.** | **Production system** | **:** | |
| **VII.** | **Micro farming system** | **:** | |
| **VIII.** | **Technology for Testing** | **:** | FP: Vermicomposting using of cow dung and other house hold waste<br>TO1: Vermicomposting using Sal leaf and cow dung<br>TO2: Vermicomposting using Teak leaf and cow dung<br>TO3: Vermicomposting using Acacia leaf and cow dung<br>TO4: Vermicomposting using Karanj leaf and cow dung<br>(Source: ) |
| **IX.** | **Existing Practice** | **:** | Vermicomposting using of cow dung and other house hold waste |
| **X.** | **Hypothesis** | **:** | |
| **XI.** | **Objective(s)** | **:** | |
| **XII.** | **Treatments** | **:** | TO1: Vermicomposting using Sal leaf and cow dung<br>TO2: Vermicomposting using Teak leaf and cow dung<br>TO3: Vermicomposting using Acacia leaf and cow dung<br>TO4: Vermicomposting using Karanj leaf and cow dung |
| **XIII.** | **Critical Inputs** | **:** | Silpaulin vermi bed |
| **XIV.** | **Unit Size** | **:** | |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | 1500 |
| **XVII.** | **Total Cost** | **:** | 10500 |
| **XVIII.** | **Monitoring Indicator** | **:** | Days to vermicompost formation, Yield of vermicompost kg/$m^3$ |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | National Centre of Organic Farming, U.P.-2018 |

**OFT 10:** Assessment of different Eucalyptus clone in waste land area of Dhenkanal (Code-23OAF06(K/R))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif 2024 |
| **II.** | **Title of the OFT** | **:** | Assessment of different Eucalyptus clone to enhance productivity |
| **III.** | **Thematic Area** | **:** | Agro-forestry |
| **IV.** | **Problem diagnosed** | **:** | Lack of knowledge and awareness of cultivation of clones for higher yield |
| **V.** | **Important Cause** | **:** | Suitable clone of Eucalyptus is not assessed |
| **VI.** | **Production system** | **:** | **Eucalyptus plantation** |
| **VII.** | **Micro farming system** | **:** | Rainfed |
| **VIII.** | **Technology for Testing** | **:** | Technology option-I (TO-I): Plantation of Eucalyptus clone- IFGTB.-4 in 2mt X 2mt spacing<br>Technology option-II (TO-II): Plantation of Eucalyptus clone- UK-15 2mt X 2mt spacing |
| **IX.** | **Existing Practice** | **:** | Farmers Practice (FP): Plantation of Eucalyptus seedlings |
| **X.** | **Hypothesis** | **:** | Suitable clone of Eucalyptus for Dhenkanal can be found. |
| **XI.** | **Objective(s)** | **:** | To find the most suitable clone of Eucalyptus for Dhenkanal district |
| **XII.** | **Treatments** | **:** | Technology option-I (TO-I): Plantation of Eucalyptus clone- IFGTB.-4 in 2mt X 2mt spacing |
| | | | Technology option-II (TO-II): Plantation of Eucalyptus clone- UK-15 2mt X 2mt spacing |
| **XIII.** | **Critical Inputs** | **:** | Eucalyptus clone |
| **XIV.** | **Unit Size** | **:** | 0.4 ha |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | **Rs 700/-** |
| **XVII.** | **Total Cost** | **:** | **Rs. 4900/-** |
| **XVIII.** | **Monitoring Indicator** | **:** | Plant height (mt), Diameter (cm), Volume, B:C ratio |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | IFGTB, Coimdatore-2011 |

**OFT 11:** Assessment of different housing system on body weight gain performance of goats (**Code-**24OAS01)

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Rabi 2024-25 |
| **II.** | **Title of the OFT** | **:** | Assessment of different housing system on body weight gain performance of goats |
| **III.** | **Thematic Area** | **:** | Housing management |
| **IV.** | **Problem diagnosed** | **:** | High mortality due to improper housing management |
| **V.** | **Important Cause** | **:** | High mortality |
| **VI.** | **Production system** | **:** | Semi Intensive housing system |
| **VII.** | **Micro farming system** | **:** | Goat farming |
| **VIII.** | **Technology for Testing** | **:** | $TO_1$: Rearing of Goats in Kuccha floor with bamboo platform<br>$TO_2$: Rearing of Goats in Kuccha floor with bamboo platform |
| **IX.** | **Existing Practice** | **:** | Rearing of Goats in Kuccha floor |
| **X.** | **Hypothesis** | **:** | Goats will gain better weight with platform raised beds |
| **XI.** | **Objective(s)** | **:** | To observe weight gain at different stages of growth |
| **XII.** | **Treatments** | **:** | FP: Rearing of Goats in Kuccha floor<br>$TO_1$: Rearing of Goats in Kuccha floor with bamboo platform<br>$TO_2$: Rearing of Goats in Kuccha floor with bamboo platform |
| **XIII.** | **Critical Inputs** | **:** | |
| **XIV.** | **Unit Size** | **:** | - |
| **XV.** | **No of Replications** | **:** | **7** |
| **XVI.** | **Unit Cost** | **:** | |
| **XVII.** | **Total Cost** | **:** | |
| **XVIII.** | **Monitoring Indicator** | **:** | Weight gain in goats at 3 month, 6 month, 9 month, 12 month, B:C Ratio |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | $TO_1$:OUAT Annual report 2022-23<br>$TO_2$ : OUAT Annual report 2022-23 |

**OFT 12:** Assessment of inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed formulations on growth of chicks in semi-intensive system of rearing

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Rabi, 2023-24 |
| **II.** | **Title of the OFT** | **:** | Assessment of inclusion of broken rice as a substitute for maize as feed ingredient in poultry feed formulations on growth of chicks in semi-intensive system of rearing |
| **III.** | **Thematic Area** | **:** | Livestock Production management |
| **IV.** | **Problem diagnosed** | **:** | Poor growth rate of growing chicks due to poor feed provision due to high cost of commercially available poultry feed |
| **V.** | **Important Cause** | **:** | High cost of maize-based feed |
| **VI.** | **Production system** | **:** | Poultry farming |
| **VII.** | **Micro farming system** | **:** | Semi-Intensive |
| **VIII.** | **Technology for Testing** | **:** | Technology option-I (TO-I): Broken rice as a substitute for maize as feed ingredient in poultry feed |
| **IX.** | **Existing Practice** | **:** | Farmers Practice (FP): Feeding of only broken rice during first 35 days followed by free range feeding |
| **X.** | **Hypothesis** | **:** | Chicks fed on of broken rice containing feed will have similar growth rate as compared to chicks fed on commercially available starter feed |
| **XI.** | **Objective(s)** | **:** | To find out growth rate of chicks in growing stage(15-45 days) fed on low cost feed having different levels of broken rice as a substitute ingredient for maize |
| **XII.** | **Treatments** | **:** | **Technology option-I (TO-I):** Feeding with ground maize 35%,GNOC 23%, fish meal 10%, wheat bran 15%, broken rice 15%, Dicalcium phosphate 1%, vitamins amino acids 1.6%,salt 0.4% |
| | | | **Technology option-II (TO-II):** -Feeding with ground maize 30%,GNOC 23%, fish meal 10%, wheat bran 15%, broken rice 20%, Dicalcium phosphate 1%, vitamins amino acids 1.6%,salt 0.4% |
| **XIII.** | **Critical Inputs** | **:** | 20 numbers of day oldchicks,850 grams of feed per unit,vaccine,vitamin and antibiotics as per requirement |
| **XIV.** | **Unit Size** | **:** | 20 chicks/farmer |
| **XV.** | **No of Replications** | **:** | 7 |
| **XVI.** | **Unit Cost** | **:** | 1425 |
| **XVII.** | **Total Cost** | **:** | 9975 |
| **XVIII.** | **Monitoring Indicator** | **:** | Body weight at 15 days,30 days,45 days, mortality rate.Feed cost/1$^{st}$ month |
| **XIX.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | ICAR-CIWA, 2016 |

**OFT 13:** Assessment of points of discontinuance in Rice fallow management (Code:.24OEE01(R))

| | | | |
|---|---|---|---|
| **i.** | **Season** | **:** | Rabi 2024-25 |
| **ii.** | **Title of the OFT** | **:** | Assessment of point of discontinuance in Rice fallow management |
| **iii.** | **Thematic Area** | **:** | Rice-fallow management |
| **iv.** | **Problem diagnosed/Opportunity** | **:** | Discontinuance of govt. programmes in rice fallow management |
| **v.** | **Production system** | **:** | Rice-pulse |
| **vi.** | **Micro farming situation** | **:** | Irrigated medium land |
| **vii.** | **Technology for Testing** | **:** | FP: Farmers keeping areas fallow after rice cultivation<br>TO1: Farmers cultivating pulses/oilseeds in fallow areas under any govt. (line dept./KVK) assistance/programme<br>TO2: Farmers discontinue after discontinuance of govt. assistance |
| **viii.** | **Existing Practice** | **:** | Farmers keeping areas fallow after rice cultivation |
| **ix.** | **Objective(s)** | **:** | To reduce rice fallow area and enhance productivity of land |
| **x.** | **Treatments** | **:** | FP: Farmers keeping areas fallow after rice cultivation<br>TO1: Farmers cultivating pulses/oilseeds in fallow areas under any govt. (line dept./KVK) assistance/programme<br>TO2: Farmers discontinue after discontinuance of govt. assistance |
| **xi.** | **Critical Inputs** | **:** | NA |
| **xii.** | **Unit Size** | **:** | - |
| **xiii.** | **No of Replications** | **:** | 90 |
| **xiv.** | **Unit Cost** | **:** | - |
| **xv.** | **Total Cost** | **:** | - |
| **xvi.** | **Monitoring Indicator** | **:** | Adoption index<br>Rejection stage in adoption process<br>(A-I-E-T-A-C)<br>Causes of rejection<br>Extension approach adopted at different stages |
| **xvii.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | |

**OFT 14:** Assessment of suitable marketing strategies for better marketing of high value crops (Code:.24OEE04(Y))

| | | | |
|---|---|---|---|
| **I.** | **Season** | **:** | Kharif/Rabi/Summer 2024-25 |
| **II.** | **Title of the OFT** | **:** | Assessment of suitable marketing strategies for better marketing of high value crops |
| **III.** | **Thematic Area** | **:** | MLE |
| **IV.** | **Problem diagnosed** | **:** | Lack of proper marketing strategy, market intelligence, market price and involvement of middle man in marketing gives less bargaining power and net return in marketing of the produce |
| **V.** | **Production system** | **:** | Sweet corn-vegetables |
| **VI.** | **Micro farming system** | **:** | Irrigated medium land |
| **VII.** | **Technology for Testing** | **:** | FP: Sell of produce at local market/haat<br>TO1 : Sell to local traders at the farm gate<br>TO2: Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the produce (Fresh / sweetness / organic etc.) with catchy captions and picture to attract the costumers |
| **VIII.** | **Existing Practice** | **:** | Sell of produce at local market/haat |
| **IX.** | **Hypothesis** | **:** | Better marketing strategy will fetch higher market price |
| **X.** | **Objective(s)** | **:** | To earn more profit from the produce |
| **XI.** | **Treatments** | **:** | FP: Sell of produce at local market/haat<br>TO1 : Sell to local traders at the farm gate<br>TO2: Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the produce (Fresh / sweetness / organic etc.) with catchy captions and picture to attract the costumers |
| **XII.** | **Critical Inputs** | **:** | **NA** |
| **XIII.** | **Unit Size** | **:** | |
| **XIV.** | **No of Replications** | **:** | 90 |
| **XV.** | **Unit Cost** | **:** | |
| **XVI.** | **Total Cost** | **:** | |
| **XVII.** | **Monitoring Indicator** | **:** | Easy to produce, easy to manage, easy to operate, farmers interest to become member, business planning and market linkage with other organization,<br>Total share capital, No. of FIGs, No of members, Meeting status, types of commodity, volume of commodity, annul turnover, annual profit |
| **XVIII.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | |

**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 TDC Project | 12,00,000 |

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

(a) Entrepreneurship development through quality planting production
(b) Success stories of progressive women farmers and agripreneurs
(c) Trend setter of pisciculture
(d) Rural entrepreneurship from millet farming

**12. Scientific Advisory Committee**

| Date of SAC meeting held during 2023-24 | Proposed date during 2024-25 |
|---|---|
| 31.01.2024 | 20/12/24 |

**13. Soil and water testing**

| Details | No. of Samples | No. of Farmers | | | | | | | | | No. of Villages | No. of SHC to be distributed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | ST | | Other | | Total | | | | |
| | | M | F | M | F | M | F | M | F | T | | |
| Soil Samples | 200 | | | | | | | | | 200 | | 200 |
| Water Samples | 25 | | | | | | | | | | | |
| Other (Please specify) | 0 | | | | | | | | | | | |
| Total | 225 | | | | | | | | | | | 200 |

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

| Heads | Expenditure (last year) (Rs.) up to 31.03.2024 | Expected fund requirement (Rs.) |
|---|---|---|
| Recurring contingency including salary | 15188528 | 16685000 |
| Non recurring contingency | 110000 | 110000 |
| CFLD | 410000 | 5680000 |
| Natural farming | 450000 | 500000 |
| Swachhata | 34000 | 35000 |