# ACTION PLAN

# ( 2023 )

## KRISHI VIGYAN KENDRA

## RAYAGADA

## ODISHA

**Odisha University of Agriculture & Technology**

**Bhubaneswar -751003**

**Odisha**

**REVISED PROFORMA FOR ACTION PLAN 2023**

## 1. Name of the KVK: Krishi Vigyan Kendra, Rayagada

| Address | Telephone | | E mail |
|---|---|---|---|
| Krishi Vigyan Kendra<br>AT/PO- Gunupur<br>Dist.: Rayagada (Odisha)<br>Pin – 765022 | 06857 -250255 | 06857 -250255 | kvkrayagada@yahoo.in<br>kvkrayagada.ouat@gmail.com |

**2.Name of host organization** :

| Address | Telephone | | E mail |
|---|---|---|---|
| | Office | FAX | |
| Directorate of Extension Education<br>Odisha University of Agriculture and Technology<br>Bhubaneswar – 751003<br>State-Odisha | 0674- 2397362 | 0674-2397933 | deanextensionouat@yahoo.com<br>deanextension_ouat@rediffmail.com |

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

**a) Farmers and farmwomen**

| Thematic area | Title of Training | No. | Duration | Venue On/Off | Tentative Date | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Crop Production | Crop Diversification in rainfed upland | 1 | 1 | ONC | 12.04.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Crop Production | Seed production in rice | 2 | 2 | ONC | 23.06.23 | 2 | 2 | 26 | 10 | 8 | 2 | 36 | 14 | 50 |
| Crop Production | Improved method of nursery management in rice | 1 | 1 | ONC | 28.07.23 | 3 | 2 | 12 | 4 | 3 | 1 | 18 | 7 | 25 |
| Crop Production | Importance of natural farming | 1 | 1 | OFF | 17.08.23 | 1 | - | 14 | 4 | 4 | 2 | 19 | 6 | 25 |
| Crop Production | Advantages of integrated farming system | 1 | 1 | OFF | 14.10.23 | 2 | - | 12 | 4 | 5 | 2 | 19 | 6 | 25 |
| Horticulture | Scientific method of cultivation of mango and cashew nut | 1 | 1 | OFF | 25.06.23 | 2 | 1 | 12 | 3 | 5 | 2 | 19 | 6 | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Horticulture | Enterprise development in vegetable crops | 1 | 1 | OFF | 22.08.23 | 2 | 3 | 10 | 4 | 2 | 4 | 14 | 11 | 25 |
| Horticulture | Technique of nursery raising in hybrid vegetables | 1 | 1 | ONC | 20.10.23 | 1 | 1 | 12 | 5 | 4 | 2 | 17 | 8 | 25 |
| Horticulture | Importance of protective cultivation in green houses/ shed net | 1 | 1 | ONC | 02.11.23 | 2 | - | 13 | 4 | 3 | 3 | 18 | 7 | 25 |
| Soil Health and fertility management | Technique of soil health management | 1 | 1 | OFC | 24.05.23 | 2 | - | 10 | 4 | 7 | 2 | 19 | 6 | 25 |
| Soil Health and fertility management | Management of problematic soil | 1 | 1 | ONC | 28.11.23 | 2 | 1 | 12 | 5 | 3 | 2 | 17 | 8 | 25 |
| Production of input at site | Use of organic manure and bio fertilizer for increasing crop productivity | 2 | 2 | OFC<br>ONC | 18.04.23<br>25.11.23 | 3<br>2 | 2<br>1 | 12<br>11 | 6<br>5 | 2<br>4 | -<br>2 | 17<br>17 | 8<br>8 | 25<br>25 |
| Production of input at site | Production of Azolla as feeding material for milking cow, poultry and duckery | 1 | 1 | ONC | 14.07.23 | 2 | 2 | 10 | 5 | 4 | 2 | 16 | 9 | 25 |
| Women in Agriculture | Enterprise development through paddy straw mushroom cultivation | 3 | 4 | OFC<br>ONC<br>OFC | 06.05.23<br>09.05.23<br>06.06.23<br>07.06.23 | 7 | 8 | 20 | 40 | - | - | 27 | 48 | 75 |
| Women in Agriculture | Planning and lay out of kitchen garden for nutritional security of farm family | 2 | 2 | OFC | 11.05.23<br>06.10.23 | 6 | 4 | 05 | 35 | - | - | 11 | 39 | 50 |
| Women in Agriculture | Use of women friendly farm equipment for drudgery reduction | 1 | 1 | OFC | 07.07.23 | 1 | 2 | 8 | 7 | 3 | 4 | 12 | 13 | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Women in Agriculture | Training on rearing of improved poultry breed for income generation and nutrition security | 1 | 1 | OFC | 18.07.23 | 2 | 1 | 8 | 6 | 3 | 5 | 13 | 12 | 25 |
| Women in Agriculture | Gender man streaming through SHG | 1 | 1 | ONC | 16.08.23 | 1 | 2 | 8 | 7 | 3 | 4 | 12 | 13 | 25 |
| Women in Agriculture | Store grain pest control through ITK | 1 | 1 | OFC | 07.09.23 | 1 | 2 | 8 | 7 | 3 | 4 | 12 | 13 | 25 |
| Women in Agriculture | Oyster mushroom cultivation by farm women for income generation | 3 | 4 | OFC<br>ONC<br>OFC | 15.11.23<br>17.11.23<br>14.12.23<br>17.12.23 | 7 | 8 | 20 | 40 | - | - | 27 | 48 | 75 |
| Women in Agriculture | Value addition of Tomato | 1 | 2 | ONC | 08.02.23<br>23.02.23 | 2 | 1 | 8 | 6 | 3 | 5 | 13 | 12 | 25 |
| Fisheries | Integrated fish farming | 1 | 1 | OFC | 10.07.23 | 8 | 7 | 2 | 8 | - | - | 10 | 15 | 25 |
| Plant protection | Pest and disease management in summer vegetables | 1 | 1 | ONC | 07.04.23 | 4 | 4 | 5 | 6 | 3 | 3 | 12 | 13 | 25 |
| Plant protection | Preparation of bio-concentrates for disease and pest management in various crops | 1 | 1 | OFC | 20.04.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |
| Plant protection | Stored grain pest and their management | 1 | 1 | ONC | 10.05.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Plant protection | Integrated pest and disease management in brinjal | 1 | 1 | OFC | 26.05.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Plant protection | Integrated Pest and Disease Management in rice | 1 | 1 | ONC | 08.06.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Plant protection | Integrated Pest and Disease Management in rice | 1 | 1 | ONC | 21.06.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Plant Protection | FAW management in maize | 1 | 1 | ONC | 04.07.23 | 2 | 2 | 10 | 6 | 3 | 2 | 15 | 10 | 25 |
| Plant Protection | Management of stem borer and BPH in rice | 1 | 2 | OFC | 14.07.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Plant Protection | Integrated Pest and Disease Management in cotton | 1 | 1 | ONC | 26.07.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Plant protection | Pest and disease management in winter vegetables | 1 | 1 | ONC | 07.11.23 | 4 | 4 | 5 | 6 | 3 | 3 | 12 | 13 | 25 |
| Plant protection | Scientific bee keeping | 1 | 1 | ONC | 16.11.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Plant Protection | Integrated pest management in pulses | 1 | 2 | OFC | 08.12.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Agricultural extension | Technical support to FPO w.r.t. increase in agriculture production | 1 | 1 | OFC | 06.04.23 | 2 | 2 | 10 | 6 | 3 | 2 | 15 | 10 | 25 |
| Agricultural extension | Information networking among farmers | 1 | 1 | ONC | 21.04.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |
| Agricultural extension | Entrepreneurship development of farmers and farm women | 2 | 2 | OFC / ONC | 28.04.23<br>07.12.23 | 3<br>2 | 1<br>1 | 12<br>11 | 5<br>4 | 3<br>5 | 1<br>2 | 18<br>18 | 7<br>7 | 25<br>25 |
| Agricultural extension | PRA techniques for identification of problems in rural areas | 1 | 1 | OFC | 12.05.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Agricultural Extension | Role of Vermi-composting in increasing yield of different crops | 2 | 2 | ONC<br>OFC | 25.05.23<br>27.09.23 | 2<br>1 | 1<br>1 | 12<br>11 | 5<br>4 | 4<br>5 | 1<br>3 | 18<br>17 | 7<br>8 | 25<br>25 |
| Agricultural extension | Leadership development of farmers and farm women | 2 | 2 | ONC<br>OFC | 08.06.23<br>18.11.23 | 2<br>2 | 1<br>- | 10<br>11 | 5<br>6 | 5<br>4 | 2<br>2 | 17<br>17 | 8<br>8 | 25<br>25 |
| Agricultural Extension | Production of paddy straw mushroom by using scrambled straw | 2 | 2 | ONC<br>OFC | 04.08.23<br>07.09.23 | 1<br>1 | 2<br>3 | 2<br>4 | 13<br>13 | 2<br>1 | 5<br>3 | 5<br>6 | 20<br>19 | 25<br>25 |
| Agricultural Extension | Improved method of brooding management of poultry chicks | 1 | 1 | OFC | 20.08.23 | 1 | 2 | 5 | 13 | 2 | 2 | 8 | 17 | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Agricultural extension | Different income generation activities for farmers, farm women and landless | 2 | 2 | OFC<br>ONC | 27.10.23<br>15.12.23 | 2<br>1 | 1<br>1 | 8<br>13 | 6<br>5 | 5<br>4 | 3<br>1 | 15<br>18 | 10<br>7 | 25<br>25 |
| Agricultural extension | Use of different ICT tools for transfer of technology in agriculture and allied sector | 1 | 1 | ONC | 16.11.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Agricultural Engineering | Use of micro irrigation system in horticulture crops | 1 | 2 | ONC | 03.06.23 | 2 | 1 | 13 | 4 | 3 | 2 | 18 | 7 | 25 |
| Agricultural Engineering | Use of different plant protection equipments | 1 | 1 | ONC | 06.09.23 | 2 | 2 | 9 | 4 | 5 | 3 | 16 | 9 | 25 |
| Agricultural Engineering | Use of mulching for reducing weed and conserving soil moisture | 1 | 2 | OFC | 17.11.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |

**(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** |
| Horticulture | Integrated nutrient management in vegetable crops | 1 | 2 | ONC | 26.10.23 | 2 | 1 | 11 | 4 | 5 | 2 | 18 | 7 | 25 |
| Plant Protection | Honey bee rearing | 2 | 2 | ONC | 12.08.23<br>13.08.23 | 4 | 4 | 18 | 8 | 10 | 6 | 32 | 18 | 50 |
| Plant Protection | Importance of natural enemies for control of insects -pests in vegetables | 1 | 1 | OFC | 13.09.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |
| Women in Agriculture | Value addition of Tamarind | 1 | 2 | ONC | 09.03.23 | 1 | 2 | 8 | 7 | 3 | 4 | 12 | 13 | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Women in Agriculture | Paddy straw mushroom cultivation by school dropouts | 1 | 2 | ONC | 17.08.23 | 4 | 4 | 5 | 6 | 3 | 3 | 12 | 13 | 25 |
| Women in Agriculture | Training on Mushroom spawn production (Vocational) | 1 | 5 | ONC | 05.12.23<br>06.12.23<br>07.12.23<br>08.12.23<br>09.12.23 | 2 | 3 | 7 | 3 | - | - | 9 | 6 | 15 |
| Agricultural extension | Rearing of backyard poultry | 1 | 1 | ONC | 27.05.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Agricultural extension | Production and use of organic manure | 1 | 1 | ONC | 30.09.23 | 1 | 1 | 13 | 4 | 4 | 2 | 18 | 7 | 25 |
| Agricultural extension | Income generating activities for rural poor and women | 1 | 1 | ONC | 22.11.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |
| Agricultural extension | Vermicompost production | 1 | 1 | ONC | 18.11.23 | 2 | 1 | 8 | 6 | 5 | 3 | 15 | 10 | 25 |
| Agricultural extension | Entrepreneurship development for rural youth | 1 | 1 | OFC | 21.12.23 | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |

**(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** |
| Plant Protection | Integrated pest and disease management in field crops | 1 | 1 | ONC | 27.09.23 | 1 | 1 | 3 | 2 | 5 | 3 | 9 | 6 | 15 |
| Plant Protection | Safe use of pesticide | 1 | 1 | ONC | 04.11.23 | 1 | 1 | 3 | 2 | 5 | 3 | 9 | 6 | 15 |
| Women in Agriculture | Livelihood security through secondary agriculture | 1 | 2 | ONC | 23.09.23 | - | 4 | 3 | 2 | 2 | 4 | 5 | 10 | 15 |
| Agricultural Extension | Entrepreneurship development of farmer and farm women | 1 | 1 | ONC | 08.03.23 | 2 | 1 | 2 | 2 | 6 | 2 | 10 | 5 | 15 |

## Abstract of Training: Consolidated table (ON and OFF Campus)
## Farmers and Farm women

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| **I. Crop Production** | | | | | | | | | | | | | |
| Weed Management | | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | | |
| Crop Diversification | 1 | 3 | 1 | 4 | 10 | 5 | 15 | 4 | 2 | 6 | 17 | 8 | 25 |
| Integrated Farming | 1 | 2 | - | 2 | 12 | 4 | 16 | 5 | 2 | 7 | 19 | 6 | 25 |
| Water management | | | | | | | | | | | | | |
| Seed production | 2 | 2 | 2 | 4 | 26 | 10 | 36 | 8 | 2 | 10 | 36 | 14 | 50 |
| Nursery management | 1 | 3 | 2 | 5 | 12 | 4 | 16 | 3 | 1 | 4 | 18 | 7 | 25 |
| Integrated Crop Management | | | | | | | | | | | | | |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Others, (cultivation of crops ) | 1 | 1 | 1 | 2 | 14 | 4 | 18 | 4 | 2 | 6 | 19 | 6 | 25 |
| TOTAL | 6 | 11 | 6 | 17 | 74 | 27 | 101 | 24 | 9 | 33 | 109 | 41 | 150 |
| **II. Horticulture** | | | | | | | | | | | | | |
| **a) Vegetable Crops** | | | | | | | | | | | | | |
| Integrated nutrient management | | | | | | | | | | | | | |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | | | | | | | | | | | | | |
| Yield increment | | | | | | | | | | | | | |
| Production of low volume and high value crops | | | | | | | | | | | | | |
| Off-season vegetables | | | | | | | | | | | | | |
| Nursery raising | 1 | 1 | 1 | 2 | 12 | 5 | 17 | 4 | 2 | 6 | 17 | 8 | 25 |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | 1 | 2 | - | 2 | 13 | 4 | 17 | 4 | 2 | 6 | 19 | 6 | 25 |
| Others, if any (Cultivation of Vegetable) | | | | | | | | | | | | | |
| TOTAL | 2 | 3 | 1 | 4 | 25 | 9 | 34 | 8 | 4 | 12 | 36 | 14 | 50 |
| **b) Fruits** | | | | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | | | | |
| Cultivation of Fruit | 1 | 2 | 1 | 3 | 12 | 3 | 15 | 5 | 2 | 7 | 19 | 6 | 25 |
| Management of young plants/orchards | | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | | |
| Others, if any(INM) | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| TOTAL | 1 | 2 | 1 | 3 | 12 | 3 | 15 | 5 | 2 | 7 | 19 | 6 | 25 |
| **c) Ornamental Plants** | | | | | | | | | | | | | |
| Nursery Management | | | | | | | | | | | | | |
| Management of potted plants | | | | | | | | | | | | | |
| Export potential of ornamental plants | | | | | | | | | | | | | |
| Propagation techniques of Ornamental Plants | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **d) Plantation crops** | | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **e) Tuber crops** | | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **f) Spices** | | | | | | | | | | | | | |
| Production and Management technology | | | | | | | | | | | | | |
| Processing and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **g) Medicinal and Aromatic Plants** | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | |
| Production and management technology | | | | | | | | | | | | | |
| Post harvest technology and value addition | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **III. Soil Health and Fertility Management** | | | | | | | | | | | | | |
| Soil fertility management | 1 | 2 | - | 2 | 10 | 4 | 14 | 7 | 2 | 9 | 19 | 6 | 25 |
| Soil and Water Conservation | | | | | | | | | | | | | |
| Integrated Nutrient Management | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Management of Problematic soils | 1 | 2 | 1 | 3 | 12 | 5 | 17 | 3 | 2 | 5 | 17 | 8 | 25 |
| Micro nutrient deficiency in crops | | | | | | | | | | | | | |
| Nutrient Use Efficiency | | | | | | | | | | | | | |
| Soil and Water Testing | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | 2 | 4 | 1 | 5 | 22 | 9 | 31 | 10 | 4 | 14 | 36 | 14 | 50 |
| **IV. Livestock Production and Management** | | | | | | | | | | | | | |
| Dairy Management | | | | | | | | | | | | | |
| Poultry Management | 2 | 3 | 3 | 6 | 13 | 19 | 32 | 7 | 5 | 12 | 23 | 27 | 50 |
| Piggery Management | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Rabbit Management | | | | | | | | | | | | | |
| Disease Management | | | | | | | | | | | | | |
| Feed management | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | |
| Others, if any (Goat farming) | | | | | | | | | | | | | |
| TOTAL | 2 | 3 | 3 | 6 | 13 | 19 | 32 | 7 | 5 | 12 | 23 | 27 | 50 |
| **V. Home Science/Women empowerment** | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 2 | 3 | 11 | 14 | 2 | 7 | 9 | 5 | 22 | 27 | 10 | 40 | 50 |
| Design and development of low/minimum cost diet | | | | | | | | | | | | | |
| Designing and development for high nutrient efficiency diet | 1 | 2 | 8 | 10 | 2 | 13 | 15 | - | - | - | 4 | 21 | 25 |
| Minimization of nutrient loss in processing | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | 1 | 1 | 12 | 13 | 2 | 10 | 12 | - | | - | 3 | 22 | 25 |
| Storage loss minimization techniques | 1 | 2 | 4 | 6 | 1 | 2 | 3 | 4 | 12 | 16 | 7 | 18 | 25 |
| Enterprise development | 3 | 9 | 15 | 24 | 3 | 9 | 12 | 12 | 27 | 39 | 24 | 51 | 75 |
| Value addition | 2 | 3 | 11 | 14 | 2 | 7 | 9 | 5 | 22 | 27 | 10 | 40 | 50 |
| Income generation activities for empowerment of rural Women | 2 | 0 | 12 | 12 | 0 | 8 | 8 | 0 | 30 | 30 | 0 | 50 | 50 |
| Location specific drudgery reduction technologies | 1 | - | 10 | 10 | - | 15 | 15 | - | - | - | - | 25 | 25 |
| Rural Crafts | | | | | | | | | | | | | |
| Capacity building | 2 | 3 | 11 | 14 | 2 | 7 | 9 | 5 | 22 | 27 | 10 | 40 | 50 |
| Women and child care | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | 15 | 23 | 94 | 117 | 14 | 78 | 92 | 31 | 135 | 166 | 68 | 307 | 375 |
| **VI.Agril. Engineering** | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | | | | | | | | | | | | | |
| Use of Plastics in farming practices | | | | | | | | | | | | | |
| Production of small tools and implements | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| Small scale processing and value addition | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | |
| **VII. Plant Protection** | | | | | | | | | | | | | |
| Integrated Pest Management | 7 | 21 | 18 | 39 | 52 | 39 | 91 | 26 | 19 | 45 | 99 | 76 | 175 |
| Integrated Disease Management | 5 | 12 | 7 | 19 | 46 | 24 | 70 | 23 | 13 | 36 | 81 | 44 | 125 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Bio-control of pests and diseases | | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | | | | | | | | | | | | | |
| Others, if any | 1 | 2 | 2 | 4 | 9 | 4 | 13 | 5 | 3 | 8 | 16 | 9 | 25 |
| TOTAL | 13 | 35 | 27 | 62 | 107 | 57 | 174 | 54 | 45 | 89 | 196 | 129 | 325 |
| **VIII. Fisheries** | | | | | | | | | | | | | |
| Integrated fish farming | 1 | 8 | 7 | 15 | 2 | 8 | 10 | - | - | - | 10 | 15 | 25 |
| 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 | 1 | 8 | 7 | 15 | 2 | 8 | 10 | - | - | - | 10 | 15 | 25 |
| **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 | 2 | 5 | 3 | 8 | 23 | 11 | 34 | 6 | 2 | 8 | 34 | 16 | 50 |
| 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 | 1 | 2 | 2 | 4 | 10 | 5 | 15 | 4 | 2 | 6 | 16 | 9 | 25 |
| TOTAL | 3 | 7 | 5 | 12 | 33 | 16 | 49 | 10 | 4 | 14 | 50 | 25 | 75 |
| **X. Capacity Building and Group Dynamics** | | | | | | | | | | | | | |
| Leadership development | 2 | 4 | 1 | 5 | 21 | 11 | 32 | 9 | 4 | 13 | 34 | 16 | 50 |
| Group dynamics | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | | | | |
| Entrepreneurial development of | 2 | 5 | 2 | 7 | 23 | 9 | 32 | 8 | 3 | 11 | 36 | 14 | 50 |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| farmers/youths | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Others, if any | 1 | 2 | 1 | 3 | 8 | 6 | 14 | 5 | 3 | 8 | 15 | 10 | 25 |
| TOTAL | 5 | 11 | 4 | 15 | 52 | 26 | 78 | 22 | 10 | 32 | 85 | 40 | 125 |
| **XI Agro-forestry** | | | | | | | | | | | | | |
| Production technologies | 1 | 2 | 2 | 4 | 9 | 4 | 13 | 5 | 3 | 8 | 16 | 9 | 25 |
| Nursery management | 4 | 5 | 7 | 12 | 29 | 35 | 64 | 12 | 12 | 24 | 46 | 54 | 100 |
| Integrated Farming Systems | | | | | | | | | | | | | |
| TOTAL | 5 | 7 | 9 | 16 | 38 | 39 | 77 | 17 | 15 | 32 | 62 | 63 | 125 |
| **XII. Others (Pl. Specify)** | | | | | | | | | | | | | |
| **TOTAL** | **55** | **114** | **158** | **272** | **392** | **291** | **693** | **188** | **233** | **411** | **694** | **681** | **1375** |

## Rural youth

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Mushroom Production | 1 | 4 | 4 | 8 | 5 | 6 | 11 | 3 | 3 | 6 | 12 | 13 | 25 |
| Bee-keeping | 1 | 2 | 2 | 4 | 9 | 4 | 13 | 5 | 3 | 8 | 16 | 9 | 25 |
| Integrated farming | 1 | 2 | 1 | 3 | 11 | 4 | 15 | 5 | 2 | 7 | 18 | 7 | 25 |
| Seed production | | | | | | | | | | | | | |
| Production of organic inputs | 1 | 1 | 1 | 2 | 13 | 4 | 17 | 4 | 2 | 6 | 18 | 7 | 25 |
| Planting material production | | | | | | | | | | | | | |
| Vermi-culture | 1 | 2 | 1 | 3 | 8 | 6 | 14 | 5 | 3 | 8 | 15 | 10 | 25 |
| Sericulture | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| Nursery Management of Horticulture crops | | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | | |
| Value addition | 1 | 1 | 2 | 3 | 8 | 7 | 15 | 3 | 4 | 7 | 12 | 13 | 25 |
| Production of quality animal products | | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | | |

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Quail farming | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | |
| Poultry production | 1 | 3 | 1 | 4 | 10 | 5 | 15 | 4 | 2 | 6 | 17 | 8 | 25 |
| 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 | 1 | 3 | 1 | 4 | 10 | 5 | 15 | 4 | 2 | 6 | 17 | 8 | 25 |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Enterprise development | 2 | 5 | 2 | 7 | 18 | 11 | 29 | 9 | 5 | 14 | 32 | 18 | 50 |
| Others if any (ICT application in agriculture) | 1 | 2 | 1 | 3 | 8 | 6 | 14 | 5 | 3 | 8 | 15 | 10 | 25 |
| TOTAL | 11 | 25 | 16 | 41 | 100 | 58 | 158 | 47 | 29 | 76 | 172 | 103 | 275 |

## Extension functionaries

| Thematic Area | No. of Courses | No. of Participants | | | | | | | | | Grand Total | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | Other | | | SC | | | ST | | | | | |
| | | M | F | T | M | F | T | M | F | T | M | F | T |
| Productivity enhancement in field crops | | | | | | | | | | | | | |
| Integrated Pest Management | 2 | 2 | 2 | 4 | 6 | 4 | 10 | 10 | 6 | 16 | 18 | 12 | 30 |
| Integrated Nutrient management | | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Value addition | 1 | - | 4 | 4 | 3 | 2 | 5 | 2 | 4 | 6 | 5 | 10 | 15 |
| Protected cultivation technology | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | |
| Group Dynamics and farmers organization | | | | | | | | | | | | | |

| | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| Information networking among farmers | | | | | | | | | | | | | |
| Capacity building for ICT application | | | | | | | | | | | | | |
| Care and maintenance of farm machinery and implements | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | |
| Management in farm animals | | | | | | | | | | | | | |
| Livestock feed and fodder production | | | | | | | | | | | | | |
| Household food security | | | | | | | | | | | | | |
| Women and Child care | | | | | | | | | | | | | |
| Low cost and nutrient efficient diet designing | | | | | | | | | | | | | |
| Production and use of organic inputs | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | |
| Others if any | 1 | 2 | 1 | 3 | 2 | 2 | 4 | 6 | 2 | 8 | 10 | 5 | 15 |
| TOTAL | 4 | 4 | 7 | 11 | 11 | 8 | 19 | 18 | 12 | 30 | 33 | 27 | 60 |

**b) Frontline demonstration to be conducted***

## FLD- 1: Demonstration on HYV of Ragi.

**Crop**: Ragi
**Thrust Area**: Crop Management
**Thematic Area**: Varietal Evaluation
**Season**: Kharif, 2023
**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 |
| 1 | Ragi/Arjun | 2ha | Cultivation of Ragi Var.Arjun is a high yielding having105-115 days duration with yield of 20-25 q/ha, Moderately resistant to neck, leaf and finger blast | No. of fingers/Panicle, Effective tillers/Hill Grain yield | Seeds | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Demonstration on HYV of Ragi | 01 | | 01 | Off | | | | | | | | | 50 |
| Training | ICM on Ragi | 01 | F/FW | 01 | Off | | | | | | | | | 25 |

## FLD- 2: Demonstration on weed management in Maize

**Crop**: Maize
**Thrust Area**: Crop Management
**Thematic Area**: Weed Management
**Season**: Kharif, 2023
**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 |
| 2 | Maize | 2 ha | Pre-emergence application of Atrazine 50 % wp @1.0 kg ai/ha followed by Tembotrine 115 ml at 21 DAS ( 4-5 leaf stage) | Plant height (cm), No of cobs/plant , Weed count/$m^2$ | Atrazine and Tembotrine | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Demonstration on weed management in Maize | 01 | | 01 | Off | | | | | | | | | 50 |
| Training | Integrated weed | 01 | F/FW | 01 | Off | | | | | | | | | 25 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | management in Maize | | | | | | | | | | | | | |

## **FLD- 3:** Demonstration on Integrated Weed Management in Groundnut

**Crop**: Groundnut
**Thrust Area**: Crop Management
**Thematic Area**: Integrated Weed management
**Season**: Rabi, 2023-24
**Farming Situation**: Irrigated medium land

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1. | Groundnut | 2 ha | Pre-emergence application of pendimethalin 30%+imazethyper 2%@ 1.0 kg/ha ready mix fb post emergence application of quizalfop-p-ethyl @50g/ha at 20 DAS | Pod weight/plant, No of filled pod per plant, Weed count/$m^2$ | pendimethalin 30%+imazethyper 2% and quizalfop-p-ethyl | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Demonstration on Integrated Weed | 01 | | 01 | Off | | | | | | | | | 50 |

| | | | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Management in Groundnut | | | | | | | | | | | | | |
| Training | IWM in Groundnut | 01 | F/FW | 01 | Off | | | | | | | | | 25 |

**FLD- 4:** Demonstration on foliar application of nutrient in Greengram

**Crop**: Blackgram

**Thrust Area**: Crop Production

**Thematic Area**:

**Season**: Rabi, 2022-23

**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 | Blackgram | 2 ha | HYV of Blackgram var. Sashi | Plant height (cm) No of Pods/Plant, yield | Seed | | | | | | | | | | | 10 |

**Extension and Training activities under FLD:**

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Field day | Demonstration on foliar application of nutrient in Blackgram | 01 | | 01 | Off | | | | | | | | | 50 |
| Training | Integrated nutrient and weed management in Blackgram | 01 | F/FW | 01 | Off | | | | | | | | | 25 |

## FLD- 5: Demonstration on sheath blight management in rice

**Crop**: Rice
**Thrust Area**: Integrated Disease Management
**Thematic Area**: Plant protection
**Season**: Kharif-2023
**Farming Situation**: Rainfed medium land

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1. | Rice | 2 ha | Spraying of the combination fungicide Azoxystrobin+ difenconazole @ 1ml/l twice at 15 days interval starting from initiation of the infection was most effective to control sheath blight without any phytotoxicity and recorded highest yield. | No. affected plants/sq mt, % of disease incidence | | 43650 | 38500 | 2 | 0 | 6 | 1 | 1 | 0 | 9 | 1 | 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 | Sheath blight management in rice | 1 | F&FW | 1 day | Off | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Field day | Field day on sheath blight management in rice | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD- 6: Demonstration on pod borer management in pigeon pea

**Crop**: Pigeon pea
**Thrust Area**: IPM
**Thematic Area**: Plant protection
**Season**: Kharif-2023
**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 |
| 1. | Pigeon pea | 2 ha | Maize as border crop, pheromone traps & helilure@20 nos./ha, Spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by Flubendiamide 48SC @ 200ml/ha (2ml/5 litre water) at pod formation stage and Bt @ 1lit/ha (2ml/litre) at 15 days intervals. | No. of adult male moth/ trap, % of infestation | Maize seeds, pheromone traps & helilure, Azadiractin 0.15%, Flubendiamide 48SC and Bt | 35200 | 32750 | 1 | 1 | 5 | 1 | 2 | 0 | 8 | 2 | 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 | Pod borer management in pigeon pea | 1 | F&FW | 1 day | Off | 3 | 1 | 10 | 5 | 4 | 2 | 17 | 8 | 25 |
| Field day | Field day on Pod borer management in pigeon pea | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD- 7: Demonstration on fruit fly management in bitter gourd

**Crop**: Bitter gourd
**Thrust Area**: IPM
**Thematic Area**: Plant protection
**Season**: Kharif-2023
**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 |
| 1. | Bitter gourd | 1.0 ha | Among the three IPM modules evaluated against the fruit fly, the IPM module 1 comprising of soil application of Chlorpyriphos dust around the plant at 30 DAP, placement and spot application of Jaggery (100 g), Thiodicarb 75% WP (2 ml) and water (1 lt.) poison bait (BAT), installation of cuelure @ 20/ha (MAT) and periodic removal and destructions of damaged fruits effectively reduced the fruit damage level and resulted in higher fruit yield and B:C ratio | No. of adults/ trap/ wk, % of infestation, No. of affected fruits per plant | Chlorpyriphos dust, Jaggery, Pyriproxifen 5% + Diafenthiuron 25% SE and Cuelure | 51200 | 48500 | 1 | 0 | 5 | 1 | 2 | 1 | 8 | 2 | 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 | Fruit fly management in bitter gourd | 1 | F&FW | 1 day | Off | 2 | 2 | 10 | 6 | 3 | 2 | 15 | 10 | 25 |
| Field day | Field day on fruit fly management in bitter gourd | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD- 8: Demonstration on collar rot management in groundnut

**Crop**: Groundnut
**Thrust Area**: IDM
**Thematic Area**: Plant protection
**Season**: Rabi-2023-24
**Farming Situation**: Irrigated medium land

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1. | Groundnut | 2.0 ha | Seed treatment with Carboxin 37.5% + Thiram 37.5 % (Vitavax power @ 2.5gm /kg of seeds, alternative spraying of Chlorothlonil 75%WP @ 1.5gm/lt. and Carbenzim 2gm./lt at 15 days interval. | Percentage of disease incidence, plant damage /sq. m. | Carboxin, Thiram, Chlorothlonil, Carbenzim | 61000 | 58000 | 1 | 0 | 4 | 2 | 2 | 1 | 7 | 3 | 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 Disease Management in groundnut | 1 | F&FW | 1 day | Off | 2 | 2 | 10 | 6 | 3 | 2 | 16 | 9 | 25 |
| Field day | Field day on Integrated Disease Management in groundnut | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD- 9: Demonstration of nutritional garden for Improving Nutritional Security of farm family

**Crop**: Fruits and vegetables
**Thrust Area**: Women in agriculture
**Thematic Area**: Nutritional garden
**Season**: Round the year, 2023-24
**Farming Situation**: Backyard

| 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. | Fruits and vegetables | 0.02ha | A nutritional garden with trailis structure, vermi compost unit, portray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level | Consumption of vegetables/day (gm/day), Yield (kg/$m^2$), Availability of vegetable/day | Seeds of nutrigarden kit | - | - | - | - | 2 | 8 | | | 2 | 8 | 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 | Planning and lay out of kitchen garden for nutritional security of farm family | 1 | F&FW | 1 day | Off | 2 | 2 | 10 | 6 | 3 | 2 | 15 | 10 | 25 |
| Field day | Field day on nutritional garden | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD 10: Demonstration of oyster mushroom *Blue oyster* in winter

**Crop**: Blue oyster mushroom
**Thrust Area**: Women in agriculture
**Thematic Area**: SSIGA
**Season**: Rabi, 2023-24
**Farming Situation**: Homestead

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Oyster mushroom | 100 beds | Straw -2kg, soaking period-6hrs and yield is average-2kg/bag, required temp. is 10-18. | Pin head appearance, yield/bed, days of first flush, average body wt(gm) Biological efficiency | Mushroom spawn and polythene | 40/bed | - | - | - | 2 | 8 | | | 2 | 8 | 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 | Oyster mushroom cultivation by farm women for income generation | 1 | FW | 1 day | On | - | 7 | - | 14 | - | 4 | - | 25 | 25 |
| Field day | Field day on Oyster mushroom | 1 | F&FW | 1 day | Off | 5 | 1 | 30 | 5 | 7 | 2 | 42 | 8 | 50 |

## FLD 11: Demonstration on cultivation of bio-fortified variety of sweet potato

**Crop**: Sweet potato
**Thrust Area**: Women in agriculture
**Thematic Area**: Small scale income generating activity
**Season**: Kharif 2023
**Farming Situation**: Backyard

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Sweet potato | 10 nos. | Cultivation of bio-fortified variety of sweet potato var. Bhu sona high catoteen (14.0 mg/100 gm.), tuber yield- 9.8 t/ha. | Consumption of vegetables/day | Seedling | 10 | - | - | - | 2 | 8 | | | 2 | 8 | 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 prog. bio-fortified variety of sweet potato var. Bhu sona | 1 | F&FW | 1 day | Off | 3 | 1 | 12 | 5 | 2 | 2 | 17 | 8 | 25 |

## FLD 12 : Demonstration of value addition of Tomato

**Crop**: Tomato
**Thrust Area**: Women in agriculture
**Thematic Area**: Value addition
**Season**: Rabi, 2023-24
**Farming Situation**: Homestead

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | Demo | Local | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Tomato | 10 nos. | Boiling Tomato with spices and onion garlic upto appropriate level and storing with addition of preservatives (Sodium Benzoate and Acetic acid) | Sensory evaluation and keeping quality (month) | Tomato, sugar, salt, spices and preservatives | Rs 60 per kg | Rs.20 per kg | - | - | 2 | 8 | | | 2 | 8 | 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 | Value addition of Tomato | 1 | F&FW | 1 day | On | 1 | 2 | 8 | 7 | 3 | 4 | 12 | 13 | 25 |

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

| Name of the Crop / Enterprise | Variety / Type | Period From…… … to …….. | Area (ha.) | Details of Production | | | | |
|---|---|---|---|---|---|---|---|---|
| | | | | Type of Produce | Expected Production (quintals) | Cost of inputs (Rs.) | Expected Gross income (Rs.) | Expected Net Income (Rs.) |
| Rice | MTU-1172 Bina dhan-17 | July 2023 to Nov 2024 | 4.0 | FS | 175.0 | 350000 | 568750 | 218750 |
| Ragi | Arjuna | July 2023 to Nov 2024 | 0.5 | FS | 4.0 | 13000 | 23600 | 10600 |
| Pigeon pea | LRG-52 | July 2023 to Nov 2024 | 1.0 | FS | 10.0 | 45000 | 96300 | 51300 |
| Green gram | Virat | Oct 2023 to January 2024 | 2.0 | FS | 10.0 | 60000 | 110300 | 50300 |
| Blackgram | OBG 33 | Oct 2023 to January 2024 | 1.0 | FS | 6.0 | 35000 | 57180 | 22180 |
| Mango | Dasheri and Amrapalli | Oct 2023 to January 2024 | | Planting material | 1000 | 19000 | 40000 | 21000 |
| Drumstick | Odishi-3 | July 2023 to Oct 2024 | | Planting material | 4000 | 12000 | 60000 | 48000 |
| Lime | K. Lime | July 2023 to Oct 2024 | | Planting material | 1500 | 7500 | 30000 | 22500 |
| Papaya | Red Lady | July 2023 to Oct 2024 | | Planting material | 3000 | 25000 | 75000 | 50000 |
| Pomegranate | Ganesh | July 2023 to Oct 2024 | | Planting material | 300 | 2500 | 6000 | 3500 |
| Marigold | OP | Sep 2023 to January 2024 | | Planting material | 15000 | 7500 | 18000 | 10500 |
| Medicinal and Aromatic | Aloevera, Bhringraj, Mint, Tulsi, Heena etc. | Oct 2023 to January 2024 | | Planting material | 100 | 500 | 1500 | 1000 |
| Cauliflower | Marble, Amazing | Oct 2023 to February 2024 | | Planting material | 2000 | 1500 | 5000 | 3500 |
| Cabbage | BC 79, Pulkit, Champ | Oct 2023 to February 2024 | | Planting material | 1500 | 1250 | 3750 | 2500 |
| Tomato | Arka rakshak and Arka Samrat | Oct 2023 to February | | Planting material | 5000 | 2000 | 12500 | 10500 |

| | | | | | | | | |
|---|---|---|---|---|---|---|---|---|
| | | 2024 | | | | | | |
| Brinjal | Poonam (VNR), VNR-212, BSS-1030 | Sep 2023 to January 2024 | | Planting material | 5000 | 1750 | 12500 | 10750 |
| Chilli | VNR-305, 332, Hungama, | Sep 2023 to January 2024 | | Planting material | 4000 | 1100 | 10000 | 8900 |
| Capsicum | Arka Mohini | Sep 2023 to January 2024 | | Planting material | 500 | 250 | 1250 | 1000 |
| Vermi compost | - | Round the year | | - | 40.0q | 15000 | 60000 | 45000 |
| Earth worms | *Eisenia fetida* | Round the year | | - | 30.0 kg | 5000 | 15000 | 10000 |
| Mushroom spawn | Paddy straw and oyster | Round the year | | - | 7500 bottle | 90000 | 150000 | 60000 |

**b) Village Seed Production Programme**

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

## d) 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 | 15 | 525 | 225 | 750 | 75 | 14 | 6 | 20 | 539 | 231 | 770 |
| 2. | KisanMela | 1 | - | - | - | - | - | - | - | - | - | Mass |
| 3. | KisanGhosthi | 6 | 95 | 30 | 125 | 80 | 2 | - | 2 | 97 | 30 | 127 |
| 4. | Exhibition | 2 | - | - | - | - | - | - | - | - | - | Mass |
| 5. | Film Show | 12 | 450 | 300 | 750 | 75 | 10 | 4 | 14 | 460 | 314 | 774 |
| 6. | Method Demonstrations | 3 | 40 | 20 | 60 | 72 | 3 | 2 | 5 | 43 | 22 | 65 |
| 7. | Farmers Seminar | 1 | 38 | 12 | 50 | 75 | 3 | 1 | 4 | 41 | 13 | 54 |
| 8. | Workshop | 2 | 70 | 30 | 100 | 70 | 6 | 2 | 8 | 76 | 32 | 108 |
| 9. | Group meetings | 18 | 225 | 100 | 325 | 85 | 7 | 5 | 12 | 232 | 105 | 337 |
| 10. | Lectures delivered as resource persons | As per requirement | | | | | | | | | | |
| 11. | Advisory Services | 70 | 27000 | 7000 | 34000 | 70 | 150 | 50 | 200 | 27150 | 7050 | 34200 |
| 12. | Scientific visit to farmers field | 260 | - | - | - | - | - | - | - | - | - | Mass |
| 13. | Farmers visit to KVK | - | 1450 | 550 | 2000 | 70 | 35 | 15 | 50 | 1485 | 565 | 2050 |
| 14. | Diagnostic visits | 130 | - | - | - | - | - | - | - | - | - | Mass |
| 15. | Exposure visits | 5 | 155 | 105 | 260 | 78 | 5 | 3 | 8 | 160 | 108 | 268 |
| 16. | Ex-trainees Sammelan | 4 | 150 | 75 | 225 | 75 | 3 | 2 | 5 | 153 | 77 | 230 |
| 17. | Soil health Camp | 2 | 85 | 30 | 115 | 70 | 2 | 2 | 4 | 87 | 32 | 119 |
| 18. | Animal Health Camp | 3 | 150 | 50 | 200 | 65 | 20 | 4 | 24 | 170 | 54 | 224 |
| 19. | Agri mobile clinic | - | - | - | - | - | - | - | - | - | - | - |
| 20. | Soil test campaigns | - | - | - | - | - | - | - | - | - | - | - |
| 21. | Farm Science Club Conveners meet | 2 | 35 | 15 | 50 | 80 | 2 | - | 2 | 37 | 15 | 52 |
| 22. | Self Help Group Conveners meetings | 2 | - | 200 | 200 | 82 | 4 | 3 | 7 | 4 | 203 | 207 |
| 23. | MahilaMandals | - | - | - | - | - | - | - | - | - | - | - |

| | | | | | | | | | | | | |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | Conveners meetings | | | | | | | | | | | |
| 24. | Celebration of important days (specify) | 8 | 400 | 200 | 600 | 75 | 12 | 4 | 16 | 412 | 204 | 616 |
| 25. | Sankalp Se Siddhi | - | - | - | - | - | - | - | - | - | - | - |
| 26. | Swatchta Hi Sewa | 6 | 270 | 180 | 450 | 70 | 5 | 2 | 7 | 275 | 182 | 457 |
| 27. | Mahila Kisan Diwas | 1 | - | 60 | 60 | 75 | 2 | 1 | 3 | 2 | 61 | 63 |
| 28. | Any Other (Specify) | 12 | 300 | 200 | 500 | 75 | 14 | 4 | 18 | 314 | 204 | 518 |
| | Total | **496** | **4438** | **2382** | **6820** | **-** | **149** | **60** | **209** | **4587** | **2442** | **7029** |

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

| Opening balance of 2022-2023 (As on 01.04.2022) | Amount proposed to be invested during 2023-24 | Expected Return |
|---|---|---|
| 91395 | 603000 | 700000 |

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

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

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

## OFT-1

i. **Season:** Kharif, 2023
ii. Title **of the OFT: Assessment on rice varieties in rainfed medium land**
iii. **Thematic Area:** Varietal evaluation
iv. **Problem diagnosed:** Low yield due to blast, sheath blight, leaf folder and sucking pest
v. **Important Cause:** Cultivation of existing variety
vi. **Production system:** Conventional and commercial
vii. **Micro farming system:** Rainfed medium land
viii. **Technology for Testing:** Assessment on rice varieties in rainfed medium land
ix. **Existing Practice:** Rice var. MTU-1001
x. **Hypothesis:** To increase yield and suitable for medium land
xi. **Objective(s):** To assess the performance of medium duration rice variety Kalinga Dhan 1203
xii. **Treatments:**
    i. Farmers Practice (FP): Rice var. MTU-1001
    ii. Technology option-I (TO-I): Rice var. Kalinga Dhan 1205
    iii. Technology option-II (TO-II): Rice var. Kalinga Dhan 1203
xiii. **Critical Inputs:** Seeds
xiv. **Unit Size:** 1.4 ha
xv. **No of Replications:** 7
xvi. **Unit Cost:** 600.00
xvii. **Total Cost:** 4200.00
xviii. **Monitoring Indicator:** Plant height(PH), ear bearing tillers (EBT)/plant, grains/panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT, SLREC 2022-23

**OFT-2**

**i Season** : Rabi, 2022-23
**ii. Title of the OFT** : Assessment of nutrient management in Greengram
**iii. Thematic Area:** : INM
**iv. Problem diagnosed** : Low yield of Black gram due to improperr nutrient supplement

| | | | |
|---|---|---|---|
| **v.** | **Important Cause** | **:** | Improper nutrient management |
| **vi.** | **Production system** | **:** | Rice- Pulse |
| **vii.** | **Micro farming system** | **:** | Irrigated Upland |
| **viii.** | **Technology for Testing** | **:** | Foliar application |
| **ix.** | **Existing Practice** | **:** | No Foliar application |
| **x.** | **Hypothesis** | **:** | Foliar application increase yield |
| **xi.** | **Objective(s):** | **:** | To find out effective foliar nutrient application methodology |
| **xii.** | **Treatments** | **:** | Assessment of nutrient management in Greengram |
| | **Farmers Practice (FP)** | **:** | Application of blanket dose of fertilizer only as basal, No foliar nutrition |
| | **Technology option-I (TO-I)** | **:** | Application of 75% STBF + Foliar application of WSF (18:18:18) @ 2 % Pre-flowering and Pod filling |
| | **Technology option-II (TO-II): and so on…** | **:** | Application of 75% STBF + Foliar application of DAP @ 2 % Pre-flowering and pod filling |
| **xiii.** | **Critical Inputs** | **:** | Water soluble fertilizer, DAP, Potash |
| **xiv.** | **Unit Size** | **:** | 2 ha |
| **xv.** | **No of Replications** | **:** | 7 |
| **xvi.** | **Unit Cost** | **:** | - |
| **xvii.** | **Total Cost** | **:** | - |
| **viii.** | **Monitoring Indicator** | **:** | No of Pods/plant, No of Branches/plant, No of seeds/pod, Yield |
| **xix.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)** | **:** | AICRP on MULLARP, 2014<br>AICRP on MULLARP, 2017 |

## OFT-3

i. **Season:** Kharif, 2023

**ii.** **Title of the OFT: Assessment of weed management in pigeon pea in kharif**

iii. **Thematic Area:** IWM

**iv.** **Problem diagnosed:** Low yield due to severe weed infestation

v. **Important Cause:** Improper weed management

vi. **Production system:** Conventional and commercial

**vii.** **Micro farming system:** Rainfed up land

viii. **Technology for Testing:** Assessment of weed management in pigeon pea in kharif

ix. **Existing Practice:** Hand weeding at 25 DAS

**x.** **Hypothesis:** To increase yield by reducing weed population

**xi.** **Objective(s):** To manage weeds technically.

**xii.** **Treatments:**

i. Farmers Practice (FP): Hand weeding at 25 DAS

ii. Technology option-I (TO-I): Pre-emergence application of pendimethalin (30 EC) @0.75 kg a.i./ha at 3DAS followed by hand weeding at 50-60 DAS.

iii. Technology option-II (TO-II): Pre-emergence application of pendimethalin (30 EC) @0.75 kg a.i./ha at 3DAS followed by post-emergence application of Imazethapyr (10 SL) @ 75g a.i./ha (20 DAS) with one hand weeding at 50-60 DAS.

xiii. **Critical Inputs:** Herbicide
xiv. **Unit Size:** 1.4 ha
xv. **No of Replications:** 7
xvi. **Unit Cost:** 2000.00
xvii. **Total Cost:** 14000.00
xviii. **Monitoring Indicator:** Plant height (cm.), weed population (nos./sq. m), weed bio-mass (gm./sq.m.), weed control efficiency (%)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SLREC Proceedings 2013

## OFT: 4

| | | |
|---|---|---|
| i. | **Season:** | Kharif, 2023 |
| ii. | **Title of the OFT:** | **Assessment of sucking pest management in chilli** |
| iii. | **Thematic Area:** | Integrated pest management |
| iv. | **Problem diagnosed:** | Low yield due to sucking pest |
| v. | **Important Cause:** | Due to sucking pest complex infestation |
| vi. | **Production system:** | Conventional and commercial |
| vii. | **Micro farming system:** | Rainfed upland |
| viii. | **Technology for Testing:** | Assessment of sucking pest management in chilli |
| ix. | **Existing Practice:** | Spraying of Diamethoate @ 2ml/lt. |
| x. | **Hypothesis:** | To minimize sucking pest complex (thrips and mite) attacking chilli. |
| xi. | **Objective(s):** | To assess two treatment options in different farmers field in different locations. |
| xii. | **Treatments:** | |
| | Farmers Practice (FP): | Spraying of Diamethoate @ 2ml/lt. |
| | Technology option-I (TO-I): | Foliar spray of Spiromesifen 22.9% SC @400 ml/ha effectively lowered incidence of pests, with least reduction in population of beneficial insects and yield. |
| | Technology option-II (TO-II): and so on…… | Seed treatment with Imidachloprid 600FS @ 5ml /kg seed and Foliar spraying of Spiromesifen 22.9%SC @ 0.8 ml/ l of water twice at 30 and 45 DAT can significantly reduce the incidence of sucking pest complex (thrips and mite) in chilli. |
| xiii. | **Critical Inputs:** | **TO1-** Spiromesifen 22.9% SC /<br>**TO2-** Imidachloprid 600FS, Spiromesifen 22.9%SC |
| xiv. | **Unit Size:** | 1.4 ha |
| xv. | **No of Replications** | **7** |
| xvi. | **Unit Cost:** | 1540.00 |
| xvii. | **Total Cost:** | 10780.00 |
| xviii. | **Monitoring Indicator:** | No. affected plants/sq mt, % of pest infestation |
| xix. | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** | TO-I :SLREC Proc. 2016<br>TO-II: SLREC Proc. 2019 |

## OFT: 5

| | | |
|---|---|---|
| I. | **Season:** | Rabi, 2023-24 |
| II. | **Title of the OFT:** | **Assessment of management of wilt complex in tomato by using** |

| | | |
|---|---|---|
| | | **Jivamrita and Bijamrita** |
| III. | **Thematic Area:** | Integrated Disease Management |
| IV. | **Problem diagnosed:** | Low yield due to wilt incidence |
| V. | **Important Cause:** | Due to fungal and bacterial incidence |
| VI. | **Production system:** | Conventional and commercial |
| **VII.** | **Micro farming system:** | Irrigated medium land |
| VIII. | **Technology for Testing:** | Assessment of management of wilt complex in tomato by using Jivamrita and Bijamrita |
| **IX.** | **Existing Practice:** | Carbendazim + Mancozeb @ 2gm./lt |
| **X.** | **Hypothesis:** | To minimize fungal or bacterial incidence. |
| **XI.** | **Objective(s):** | To assess two treatment options in different farmers field in different locations. |
| **XII.** | **Treatments:** | |
| **XIII.** | Farmers Practice (FP): | Carbendazim + Mancozeb @ 2gm./lt |
| XIV. | Technology option-I (TO-I): | **Jibamruta application** – Application of 200 lit of Jibamruta per acre with irrigation water or with spray machine at an interval of 15-20 days on standing crop @ 5-6 spray. |
| XV. | Technology option-II (TO-II): and so on…… | **$TO_1$ +Bijamruta application-**Application of prepared Bijamruat for seed treatment of 100 kg seeds, mix it with the seeds well so that bijamruta will be well coated on seeds, dry the mixture under shade before 24 hrs of sowing. |
| **XVI.** | **Critical Inputs:** | TO1- Jibamruta<br>TO2- Jibamruta + Bijamruta |
| XVII. | **Unit Size:** | 1.4 ha |
| **VIII.** | **No of Replications** | **7** |
| **XIX.** | **Unit Cost:** | 2000.00 |
| **XX.** | **Total Cost:** | 14000.00 |
| **XXI.** | **Monitoring Indicator:** | |
| **XII.** | **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** | TO-I : Manual of national centre for organic and natural farming, Gaziabad<br>TO-II: Manual of national centre for organic and natural farming, Gaziabad |

## OFT: 6

i. **Season:** Kharif 2023
ii. **Title of the OFT: Assessment of humidity management in paddy straw mushroom production**
iii. **Thematic Area:** SSIGA
iv. **Problem diagnosed:** Low yield due to improper production technique
v. **Important Cause:**
vi. **Production system:** Paddy straw mushroom
vii. **Micro farming system:** Homestead
viii. **Technology for Testing:** Assessment of humidity management in paddy straw mushroom production
ix. **Existing Practice:** Mushroom production by using bundled paddy straw
x. **Hypothesis:**
xi. **Objective(s):** Nutrition security and income generation
xii. **Treatments:**

i. Farmers Practice (FP): Mushroom production by using bundled paddy straw substrate (3 layers) with normal practice (soaking of 7kg straw in water for 10-12hrs, bed preparation with addition of spawn and pulse powder 3%)

ii. Technology option-I (TO-I): Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the windows/ walls

iii. Technology option-II (TO-II): Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the shade net.

**xiii. Critical Inputs:**
**xiv. Unit Size:** 7 nos.
**xv. No of Replications:** 7
**xvi. Unit Cost:**
**xvii. Total Cost:**
**xviii. Monitoring Indicator:**
**xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

## OFT: 7

**i. Season:** Kharif, 2023
**ii. Title of the OFT: Assessment of marigold var. Bidhan-1 and Bidhan-2 in backyard**
**iii. Thematic Area:** Income generating activity
**iv. Problem diagnosed:** Local variety are perishable and fetches low income and have high demand of flower in the district
**v. Important Cause:** Low yield from the existing practice
**vi. Production system:** Commercial
**vii. Micro farming system:** Rainfed medium land
**viii. Technology for Testing:** Assessment of marigold var. Bidhan-1 and Bidhan-2 in backyard
**ix. Existing Practice:** Cultivation of local variety
**x. Hypothesis:**
**xi. Objective(s):** Income generation
**xii. Treatments:**
i. Farmers Practice (FP): Cultivation of local variety
ii. Technology option-I (TO-I): Bidhan-1
iii. Technology option-II (TO-II): Bidhan-2
**xiii. Critical Inputs:** Seedling
**xiv. Unit Size:** 7 nos.
**xv. No of Replications:** 7
**xvi. Unit Cost:**
**xvii. Total Cost:**
**xviii. Monitoring Indicator:** Cost of cultivation, Net income, Yield (q/ha), B:C ratio
**xix. Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** BCKV, West Bengal, AICRP, Floriculture, Annual Report OUAT, 2016-17

**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.) |
|---|---|---|
| | - | - |

**11. No. of success stories proposed to be developed with their tentative titles: 2**

1. Success story on Honey bee rearing.
2. Success story on vegetable cultivation.

**12. Scientific Advisory Committee**

| Date of SAC meeting held during 2022-23 | Proposed date during 2023-2024 |
|---|---|
| 01.02.2023 | 15.01.2024 |

**13. Soil and water testing**

| Details | No. of Samples | No. of Farmers | | | | | | | | | No. of Villages | No. of SHC distributed |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| | | SC | | ST | | Other | | Total | | | | |
| | | M | F | M | F | M | F | M | F | T | | |
| Soil Samples | 300 | 45 | 15 | 170 | 35 | 25 | 10 | 240 | 60 | 300 | 60 | 1500 |
| Water Samples | - | - | - | - | - | - | - | - | - | - | - | - |
| Other (Please specify) | - | - | - | - | - | - | - | - | - | - | - | - |
| Total | **300** | **45** | **15** | **170** | **35** | **25** | **10** | **240** | **60** | **300** | **60** | **1500** |

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

| Heads | Expenditure (last year) (Rs.) up to 31.03.2022 | Expected fund requirement (Rs.) 2023-24 |
|---|---|---|
| Contingency | 248809.00 | 350000.00 |
| TSP | 1427000.00 | 1450000.00 |
| Travelling allowances | 110000.00 | 150000.00 |
| HRD | - | 30000.00 |
| Library | 10000.00 | 10000.00 |
| Equipments and furniture | 240000.00 | 700000.00 |
| Farm implements | - | 400000.00 |
| Information technology | 70000.00 | - |
| Bore well | 299991.00 | - |
| **Total** | **2405800.00** | **3090000.00** |

* Any additional requirement may be suitably justified.

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

**Assessment on rice varieties in rain-fed medium land:**

Medium duration rice var. Kalinga Dhan 1203 gives 11.2% higher yield than var. MTU 1001, suitable for rain-fed medium land, maturity: 130-135 days and resistant to sheath blight, BPH and leaf folder.

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

**Assessment of sucking pest management in chilli:**

Seed treatment with Imidachloprid 600FS and foliar spraying of Spiromesifen 22.9%SC can significantly reduce the incidence of sucking pest complex (thrips and mite) in chilli with 29.5% more yield recorded as compared to farmers' practice.

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

**Assessment of Wet Land Power Weeder in Paddy**

There is requirement of 2MD/ha for weeding by Power weeder instead of 20MD/ha for conventional method to reduce weeding cost, time consuming and drudgery.

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

**Demonstration on short duration rice variety Santha Bhima (CR Dhan 102) in rain-fed uplands**

Paddy var. CR Dhan 102 gives 18.5 % more yield than farmers existing var. Khandagiri and it has higher BC ratio 1.63 as compared to that of Khandagiri is 1.37. This variety has been suitable for rainfed uplands.

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


**Demonstration on sheath blight management in rice.**

Combination of Azoxystrobin+ Difenconazole was most effective to control sheath blight without any phytotoxicity and recorded 30.4 more yield than farmers' practice.


**Demonstration on management of fall armyworm (*Spodoptera frugiperda)* in Maize .**

Dusting Chlorpyriphos 1.5% D, Chloropyriphos + Cypermethrin and Chlorantraniliprole 18.5% SC alternately at 10 days interval performed well with 21.7% more yield as compared to farmers' practice.