

ACTION PLAN

2023-24



कृषि विज्ञान केन्द्र
कृषि विज्ञान केन्द्र
KRISHI VIGYAN KENDRA
BARGARH



ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY
Gambharipali, P.O.-Larambha, Dist-Bargarh, Odisha - 768102

ACTION PLAN 2023

1. Name of the KVK:BARGARH

| Address | Telephone | E mail |
|---|------------------|----------------------------|
| KRISHI VIGYAN KENDRA, At- Gambharipali, PO- Laramba, Dist. – Bargarh. Pin – 768102, Odisha | 9337180280 | kvkbaragarh.ouat@gmail.com |

2. Name of host organization : OUAT

| Address | Telephone | | E mail | |
|--|------------------|--------------|-----------------------------|-----------------------------------|
| | Office | FAX | | |
| Odisha University of Agriculture & Technology, Bhubaneswar, Odisha | 0674-2397362 | 0674-2397362 | deanextensionouat@yahoo.com | deanextension_ouat@rediffmail.com |

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

(a) Farmers and farmwomen

| Thematic area | Title of Training | No . | Du r Ati on | Venu e On/ Off | Tentati ve Date | No. of Participants | | | | | | | | |
|--------------------------------|---|-------------|--------------------|-----------------------|------------------------|----------------------------|----------|-----------|----------|--------------|----------|--------------|----------|----------|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Integrated Crop management | Integrated crop management of Rice in drought situation | 1 | 1 | Off | June | 2 | 1 | 2 | 1 | 17 | 2 | 21 | 4 | 25 |
| Integrated Crop management | Integrated nutrient management in Rice seed production | 1 | 1 | Off | July | 3 | - | 3 | - | 19 | - | 25 | - | 25 |
| Integrated Crop management | Integrated crop management in finger millet | 1 | 1 | Off | August | 1 | 2 | 2 | 1 | 15 | 4 | 18 | 7 | 25 |
| Integrated nutrient management | Integrated nutrient management in Toria | 1 | 1 | Off | Decembe r | 1 | 2 | 2 | 1 | 15 | 4 | 18 | 7 | 25 |
| Integrated Crop management | Integrated crop management in cotton | 1 | 1 | On | Septembe r | 3 | - | 3 | - | 19 | - | 25 | - | 25 |
| seed production | Seed treatment, Priming , Seed coating and its benefit in crop production | 1 | 1 | Off | October | 1 | 2 | 2 | 1 | 15 | 4 | 18 | 7 | 25 |

| Thematic area | Title of Training | No . | Du r Ati on | Venu e On/ Off | Tentati ve Date | No. of Participants | | | | | | | | |
|-----------------|--|------|-------------|----------------|-----------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Seed production | Seed processing and storage | 1 | 1 | Off | January | 1 | 2 | 2 | 1 | 15 | 4 | 18 | 7 | 25 |
| IPM | Insect pest management in kharif paddy nursery | 1 | 1 | OFF | April | 3 | 0 | 2 | 0 | 20 | 0 | 25 | 0 | 25 |
| IPM | Storage techniques of summer pulses | 1 | 1 | OFF | May | 1 | 1 | 2 | 3 | 13 | 5 | 16 | 9 | 25 |
| IPM | Importanaceane techniques of SEED Treatment. | 1 | 1 | OFF | MAY | 4 | 0 | 3 | 0 | 18 | 0 | 25 | 0 | 25 |
| IDM | Management of diseases of kharif groundnut | 1 | 1 | OFF | June | 3 | 0 | 2 | 0 | 20 | 0 | 25 | 0 | 25 |
| IPM | Management of sucking pests in kharif pulses | 1 | 1 | OFF | June | 4 | | 2 | | 19 | | 25 | 0 | 25 |
| IDM | MANAGEME NT viral diseases in Okra | 1 | 1 | OFF | July | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 | 25 |
| IPM | IPM For insect pests of banana | 1 | 1 | OFF | August | 5 | | 4 | | 16 | | 25 | | 25 |
| IPM | IPM practices against Pod borer complex in kharif Pigeon pea | 1 | 1 | OFF | Sept | 2 | 2 | 3 | 2 | 12 | 4 | 17 | 8 | 25 |
| IPM | Preparation of inputs for natural farming | 1 | 1 | on | FEB | 2 | 3 | 3 | 2 | 13 | 2 | 18 | 7 | 25 |
| IDM | IDM Practices against Bacterial diseases of Rice | 1 | 1 | OFF | FEB | 5 | | 2 | 2 | 10 | 6 | 17 | 8 | 25 |
| Prod& Mgt | Improved Tuber crop cultivation | 1 | 1 | OFF | April | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 | 25 |
| Prod& Mgt | Training on Improved Brinjal cultivation in Kharif | 1 | 1 | OFF | May | 2 | 1 | 2 | 2 | 12 | 6 | 16 | 9 | 25 |
| Prod and Mgt | Offseason Vegetable Cultivation | 1 | 1 | OFF | MAY | 2 | 0 | 3 | 0 | 20 | 0 | 25 | 0 | 25 |

| Thematic area | Title of Training | No . | Du r Ati on | Venu e On/ Off | Tentati ve Date | No. of Participants | | | | | | | | |
|--|---|------|-------------|----------------|-----------------|---------------------|---|----|---|-------|----|-------|----|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | |
| IWM | Management of Kharif Onion | 1 | 1 | OFF | June | 3 | 0 | 2 | 0 | 20 | 0 | 25 | 0 | 25 |
| INM | Fertilizer Management in Banana | 1 | 1 | OFF | June | 1 | 1 | 2 | 2 | 12 | 7 | 15 | 10 | 25 |
| Prod& Mgt | Management Practices in Raikia Beans | 1 | 1 | OFF | July | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 | 25 |
| INM | Training on Improved Cole Crop cultivation and application of Nano fertilizer | 1 | 1 | OFF | August | 3 | 0 | 1 | 0 | 18 | 3 | 22 | 3 | 25 |
| Organic Farming | Organic vegetable cultivation | 1 | 1 | OFF | Sept | 2 | 2 | 3 | 2 | 12 | 4 | 17 | 8 | 25 |
| INM | Improved Cultivation of Cucurbits | 1 | 1 | OFF | FEB | 3 | 2 | 2 | 2 | 10 | 6 | 15 | 10 | 25 |
| Household food security by kitchen gardening and nutrition gardening | Training on Improved crop management practices in nutritional garden | 1 | 1 | off | June | 0 | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 25 |
| Income generation activities for empowerment of rural Women | Improved methods of raising vegetable seedlings in nursery | 1 | 1 | off | July | 0 | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 25 |
| Income generation activities for empowerment of rural Women | Supplementary feed with azolla for cows | 1 | 1 | off | August | 0 | 2 | 0 | 3 | 0 | 20 | 0 | 25 | 25 |
| Income generation activities for empowerment of rural Women | Rearing management of improved poultry | 1 | 1 | off | Sept | 0 | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 25 |
| Income generation activities for empowerment of rural Women | Rearing management of duckery | 1 | 1 | off | Oct | 0 | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 25 |
| Women and child care | Early childhood care for farm-women | 1 | 1 | off | October | 0 | 4 | 0 | 3 | 0 | 18 | 0 | 25 | 25 |
| Value addition | Value added products of finger millet | 1 | 1 | On | Decembe r | 0 | 2 | 0 | 4 | 0 | 19 | 0 | 25 | 25 |

| Thematic area | Title of Training | No . | Du r Ati on | Venu e On/ Off | Tentati ve Date | No. of Participants | | | | | | | |
|---|---|------|-------------|----------------|-----------------|---------------------|---|----|---|-------|----|-------|----|
| | | | | | | SC | | ST | | Other | | Total | |
| | | | | | | M | F | M | F | M | F | M | F |
| Location specific drudgery reduction technologies | Use of different Weeders for drudgery reduction | 1 | 1 | off | December | 0 | 4 | 0 | 4 | 0 | 17 | 0 | 25 |
| Storage loss minimization techniques | Storage techniques of green gram | 1 | 1 | Off | November | 0 | 4 | 0 | 3 | 0 | 18 | 0 | 25 |
| Income generation activities for empowerment of rural Women | Production techniques & feeding practices of Super napier fodder. | 1 | 1 | off | December | 0 | 6 | 0 | 4 | 0 | 15 | 0 | 25 |
| Enterprise development | Scientific method of oyster mushroom cultivation | 1 | 1 | off | January | 0 | 5 | 0 | 4 | 0 | 16 | 0 | 25 |
| Value addition | Value added products of tomato | 1 | 1 | On | February | 0 | 2 | 0 | 4 | 0 | 19 | 0 | 25 |
| Farm mechanization | Use and maintenance of paddy transplanter | 1 | 1 | OFF | June | 4 | 0 | 3 | 0 | 18 | 0 | 25 | 0 |
| Production of small tools and implements | Women friendly drudgery reducing farm implements | 1 | 1 | OFF | June | 3 | 0 | 2 | 0 | 20 | 0 | 25 | 0 |
| Farm mechanization | Operation of different power operated millet threshers | 1 | 1 | OFF | July | 4 | | 2 | | 19 | | 25 | 0 |
| Farm mechanization | Operation and maintenance of different power operated weeders | 1 | 1 | OFF | August | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 |
| Farm mechanization | Operation of different ullock drawn farm implements | 1 | 1 | OFF | Sept | 5 | | 4 | | 16 | | 25 | 0 |
| soil water con | Use of mulching for weed and water management in horticultural crop | 1 | 1 | OFF | FEB | 2 | 2 | 3 | 2 | 12 | 4 | 25 | 0 |

| Thematic area | Title of Training | No . | Dur ati on | Venu e On/ Off | Tentati ve Date | No. of Participants | | | | | | | | |
|-------------------------|---|------|------------|----------------|-----------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Farm mechanization | Different tractor drawn machinery, its function and maintenance | 1 | 1 | off | June | 5 | | 2 | 2 | 10 | 6 | 25 | 0 | 25 |
| Micro-irrigation | Micro irrigation system its working and maintainance | 1 | 1 | off | August | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 | 25 |
| Farmmechanization | Use of paddy drum seeder for pre germinated paddy | 1 | 1 | off | October | 2 | 1 | 2 | 2 | 12 | 6 | 25 | 0 | 25 |
| soil water conservation | Different soil moisture conservation techniques | 1 | 1 | Off | October | 4 | 0 | 3 | 0 | 18 | 0 | 25 | 0 | 25 |
| Farmmechanization | Use of pulse mill for milling of pulses | 1 | 1 | off | November | 3 | 0 | 2 | 0 | 20 | 0 | 25 | 0 | 25 |

a. Rural youths

| Thematic area | Title of Training | No . | Dur atio n | Venu e On/O ff | Tenta tive Date | No. of Participants | | | | | | | | |
|---------------------------|--|------|------------|----------------|-----------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Integrated farming system | Integrated farming system for more income | 1 | 5 | Off | February | 2 | 0 | 1 | 0 | 7 | 0 | 10 | 0 | 10 |
| Organic input Production | Use and production of Organic input in Organic Crop Production | 1 | 2 | On | May | 1 | 1 | 1 | 1 | 6 | 5 | 8 | 7 | 15 |
| seed production | Integrated crop management in Fingermillet seed production | 1 | 2 | On | August | 1 | 1 | 1 | 1 | 6 | 5 | 8 | 7 | 15 |
| Organic input Production | Self employment through organic Production | 1 | 5 | ON | OCT | 2 | 0 | 3 | 0 | 8 | 2 | 13 | 2 | 15 |
| Bee keeping | Commercial Bee keeping | 1 | 2 | OFF | Nov | 2 | 0 | 3 | 0 | 10 | 0 | 15 | 0 | 15 |
| IGA | Self employment through Planting Material Production | 1 | 2 | ON | OCT | 2 | 0 | 3 | 0 | 10 | 0 | 15 | 0 | 15 |
| Floriculture | Commercial Floriculture | 1 | 2 | On | Nov | 2 | 0 | 3 | 0 | 10 | 0 | 15 | 0 | 15 |

| Thematic area | Title of Training | No . | Duratio n | Venue On/O ff | Tenta tive Date | No. of Participants | | | | | | | |
|---|---|------|-----------|---------------|-----------------|---------------------|---|----|---|-------|----|-------|----|
| | | | | | | SC | | ST | | Other | | Total | |
| | | | | | | M | F | M | F | M | F | M | F |
| Poultry production | Brooding management of improved poultry | 1 | 2 | On | July | 0 | 2 | 0 | 1 | 0 | 12 | 0 | 15 |
| Vermicomposting | Production & use of vermicompiost | 1 | 2 | on | August | 0 | 2 | 0 | 2 | 0 | 11 | 0 | 15 |
| Mushroom production | Income generation through mushroom farming | 1 | 5 | On | September | 0 | 2 | 0 | 1 | 0 | 7 | 0 | 10 |
| Repair and maintenance of farm machinery and implements | Operation and maintenance of power tiller for puddling | 1 | 2 | On | August | 1 | 1 | 1 | 1 | 6 | 5 | 8 | 7 |
| Repair and maintenance of farm machinery and implements | Operation and maintenance of tractor drawn seed cum fertilizer drill for direct sowing of different crops | 1 | 2 | ON | OCT | 2 | 0 | 3 | 0 | 8 | 2 | 13 | 2 |
| Repair and maintenance of farm machinery and implements | Operation and maintenance of tractor | 1 | 5 | OFF | Nov | 2 | 0 | 3 | 0 | 10 | 0 | 15 | 0 |

(b) Extension functionaries

| Thrust area/ Thematic area | Title of Training | No . | Duratio n | Venue On/Of f | Tentative Date | No. of Participants | | | | | | | |
|-------------------------------|--|------|-----------|---------------|----------------|---------------------|---|----|---|-------|---|-------|---|
| | | | | | | SC | | ST | | Other | | Total | |
| | | | | | | M | F | M | F | M | F | M | F |
| Integrated Pest Management | New molecules of pesticide and their method of use for management of BPH | 1 | 1 | Off | 6.02.2024 | 2 | 1 | 3 | 1 | 4 | 4 | 9 | 6 |
| Renewable energy | Use of renewable energy in agriculture | 1 | 1 | On | 18.01.24 | 1 | 1 | 1 | 1 | 1 | 0 | 1 | 2 |
| Low cost and nutrient | Training on formulation of low cost | 1 | 15 | off | 19.02.2024 | 0 | 1 | 0 | 1 | 0 | 1 | 3 | 0 |

| | | | | | | | | | | | | | | |
|---|--|---|---|----|----------------------|---|---|---|---|----|---|----|---|----|
| efficient diet designing | nutrient rich weaning food. | | | | | | | | | | | | | |
| Productivity enhancement in field crops | Suitable varieties and improved technology in finger millet production | 1 | 2 | ON | 15.05.23 16.05.23 | 2 | - | 3 | - | 10 | - | 15 | - | 15 |

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 | | | | | | | | | | | | | |
| Resource Conservation Technologies | | | | | | | | | | | | | |
| Cropping Systems | | | | | | | | | | | | | |
| Crop Diversification | | | | | | | | | | | | | |
| Integrated Farming | | | | | | | | | | | | | |
| Water management | | | | | | | | | | | | | |
| Seed production | 2 | 2 | 4 | 6 | 4 | 2 | 6 | 30 | 8 | 38 | 36 | 14 | 50 |
| Nursery management | | | | | | | | | | | | | |
| Integrated Crop Management | 5 | 10 | 5 | 15 | 12 | 3 | 15 | 85 | 10 | 95 | 107 | 18 | 125 |
| Fodder production | | | | | | | | | | | | | |
| Production of organic inputs | | | | | | | | | | | | | |
| Others, (cultivation of crops) | 1 | 2 | 2 | 4 | 3 | 2 | 5 | 12 | 4 | 16 | 17 | 8 | 25 |
| TOTAL | 8 | 14 | 11 | 25 | 19 | 7 | 26 | 127 | 22 | 149 | 160 | 40 | 200 |
| II. Horticulture | | | | | | | | | | | | | |
| a) Vegetable Crops | | | | | | | | | | | | | |
| Integrated nutrient management | 2 | 5 | 3 | 8 | 3 | 2 | 5 | 28 | 9 | 37 | 36 | 14 | 50 |
| Water management | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Skill development | | | | | | | | | | | | | |
| Yield increment | 2 | 4 | 1 | 5 | 4 | 2 | 6 | 33 | 6 | 39 | 41 | 9 | 50 |
| Production of low volume and high value crops | | | | | | | | | | | | | |
| Off-season vegetables | 1 | 2 | 0 | 2 | 3 | 0 | 3 | 20 | 0 | 20 | 25 | 0 | 25 |
| Nursery raising | | | | | | | | | | | | | |
| Exotic vegetables like Broccoli | | | | | | | | | | | | | |

| 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 |
| Export potential vegetables | | | | | | | | | | | | | |
| Grading and standardization | | | | | | | | | | | | | |
| Protective cultivation (Green Houses, Shade Net etc.) | | | | | | | | | | | | | |
| Others, if any (Cultivation of Vegetable) | | | | | | | | | | | | | |
| TOTAL | 5 | 11 | 4 | 15 | 10 | 4 | 14 | 81 | 15 | 96 | 102 | 23 | 125 |
| b) Fruits | | | | | | | | | | | | | |
| Training and Pruning | | | | | | | | | | | | | |
| Layout and Management of Orchards | | | | | | | | | | | | | |
| Cultivation of Fruit | | | | | | | | | | | | | |
| Management of young plants/orchards | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 12 | 7 | 19 | 15 | 10 | 25 |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Export potential fruits | | | | | | | | | | | | | |
| Micro irrigation systems of orchards | | | | | | | | | | | | | |
| Plant propagation techniques | | | | | | | | | | | | | |
| Others, if any(INM) | | | | | | | | | | | | | |
| TOTAL | 1 | 1 | 1 | 2 | 2 | 2 | 4 | 12 | 7 | 19 | 15 | 10 | 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 | 1 | 2 | 0 | 2 | 2 | 0 | 2 | 21 | 0 | 21 | 25 | 0 | 25 |
| Production and Management 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 | |
| Processing and value addition | | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | 1 | 2 | 0 | 2 | 2 | 0 | 2 | 21 | 0 | 21 | 25 | 0 | 25 | |
| f) Spices | | | | | | | | | | | | | | |
| Production and Management technology | 1 | 3 | 0 | 3 | 2 | 0 | 2 | 20 | 0 | 20 | 25 | 0 | 25 | |
| Processing and value addition | | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | 1 | 3 | 0 | 3 | 2 | 0 | 2 | 20 | 0 | 20 | 25 | 0 | 25 | |
| 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 | | | | | | | | | | | | | | |
| Soil and Water Conservation | 2 | 5 | 2 | 7 | 7 | 5 | 12 | 29 | 2 | 31 | 41 | 9 | 50 | |
| 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 | 2 | 5 | 2 | 7 | 7 | 5 | 12 | 29 | 2 | 31 | 41 | 9 | 50 | |
| IV. Livestock Production and Management | | | | | | | | | | | | | | |
| Dairy Management | | | | | | | | | | | | | | |
| Poultry Management | | | | | | | | | | | | | | |
| Piggery Management | | | | | | | | | | | | | | |
| Rabbit Management | | | | | | | | | | | | | | |
| Disease 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 | |
| Feed management | | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | | |
| Others, if any (Goat farming) | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | |
| V. Home Science/Women empowerment | | | | | | | | | | | | | | |
| Household food security by kitchen gardening and nutrition gardening | 2 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 42 | 42 | 0 | 50 | 50 | |
| 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 | 1 | 0 | 4 | 4 | 0 | 3 | 3 | 0 | 18 | 18 | 0 | 25 | 25 | |
| Enterprise development | 1 | 0 | 5 | 5 | 0 | 4 | 4 | 0 | 16 | 16 | 0 | 25 | 25 | |
| Value addition | 2 | 0 | 4 | 4 | 0 | 8 | 8 | 0 | 38 | 38 | 0 | 50 | 50 | |
| Income generation activities for empowerment of rural Women | 4 | 0 | 12 | 12 | 0 | 11 | 11 | 0 | 77 | 77 | 0 | 100 | 100 | |
| Location specific drudgery reduction technologies | 1 | 0 | 4 | 4 | 0 | 4 | 4 | 0 | 17 | 17 | 0 | 25 | 25 | |
| Rural Crafts | | | | | | | | | | | | | | |
| Capacity building | | | | | | | | | | | | | | |
| Women and child care | 1 | 0 | 4 | 4 | 0 | 3 | 3 | 0 | 18 | 18 | 0 | 25 | 25 | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | 12 | 0 | 37 | 37 | 0 | 37 | 37 | 0 | 226 | 226 | 0 | 300 | 300 | |
| VI.Agril. Engineering | | | | | | | | | | | | | | |
| Installation and maintenance of micro irrigation systems | 1 | 2 | 0 | 2 | 2 | 0 | 2 | 21 | 0 | 21 | 25 | 0 | 25 | |
| Use of Plastics in farming practices | | | | | | | | | | | | | | |
| Production of small tools and implements | 1 | 3 | 0 | 3 | 2 | 0 | 2 | 20 | 0 | 20 | 25 | 0 | 25 | |

| 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 | |
| Repair and maintenance of farm machinery and implements | 7 | 25 | 1 | 26 | 17 | 4 | 21 | 116 | 12 | 128 | 158 | 17 | 175 | |
| Small scale processing and value addition | | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | 9 | 30 | 1 | 31 | 21 | 4 | 25 | 157 | 12 | 169 | 208 | 17 | 225 | |
| VII. Plant Protection | | | | | | | | | | | | | | |
| Integrated Pest Management | 6 | 13 | 3 | 16 | 16 | 5 | 21 | 98 | 9 | 107 | 133 | 17 | 150 | |
| Integrated Disease Management | 3 | 10 | 0 | 10 | 6 | 2 | 8 | 51 | 6 | 57 | 67 | 8 | 75 | |
| Bio-control of pests and diseases | | | | | | | | | | | | | | |
| Production of bio control agents and bio pesticides | 1 | 2 | 3 | 5 | 3 | 2 | 5 | 13 | 2 | 15 | 18 | 7 | 25 | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | 10 | 25 | 6 | 31 | 25 | 9 | 34 | 162 | 17 | 179 | 218 | 32 | 250 | |
| 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 | | | | | | | | | | | | | | |

| 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 | |
| IX. Production of Inputs at site | | | | | | | | | | | | | | |
| Seed Production | | | | | | | | | | | | | | |
| Planting material production | | | | | | | | | | | | | | |
| Bio-agents production | | | | | | | | | | | | | | |
| Bio-pesticides production | | | | | | | | | | | | | | |
| Bio-fertilizer production | | | | | | | | | | | | | | |
| Vermi-compost production | | | | | | | | | | | | | | |
| Organic manures production | | | | | | | | | | | | | | |
| Production of fry and fingerlings | | | | | | | | | | | | | | |
| Production of Bee-colonies and wax sheets | | | | | | | | | | | | | | |
| Small tools and implements | | | | | | | | | | | | | | |
| Production of livestock feed and fodder | | | | | | | | | | | | | | |
| Production of Fish feed | | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | |
| X. Capacity Building and Group Dynamics | | | | | | | | | | | | | | |
| Leadership development | | | | | | | | | | | | | | |
| Group dynamics | | | | | | | | | | | | | | |
| Formation and Management of SHGs | | | | | | | | | | | | | | |
| Mobilization of social capital | | | | | | | | | | | | | | |
| Entrepreneurial development of farmers/youths | | | | | | | | | | | | | | |
| WTO and IPR issues | | | | | | | | | | | | | | |
| Others, if any | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | |
| XI Agro-forestry | | | | | | | | | | | | | | |
| Production technologies | | | | | | | | | | | | | | |
| Nursery management | | | | | | | | | | | | | | |
| Integrated Farming Systems | | | | | | | | | | | | | | |
| TOTAL | | | | | | | | | | | | | | |
| XII. Others (Pl. Specify) | | | | | | | | | | | | | | |

| 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 | |
| TOTAL | 49 | 91 | 62 | 153 | 88 | 68 | 156 | 609 | 301 | 910 | 794 | 431 | 1225 | |

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 | 1 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 7 | 7 | 0 | 15 | 15 | |
| Bee-keeping | 1 | 2 | 0 | 2 | 3 | 0 | 3 | 10 | 0 | 10 | 15 | 0 | 15 | |
| Integrated farming | 1 | 2 | 0 | 2 | 1 | 0 | 1 | 7 | 0 | 7 | 10 | 0 | 10 | |
| Seed production | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 6 | 5 | 11 | 8 | 7 | 15 | |
| Production of organic inputs | 2 | 3 | 1 | 4 | 3 | 2 | 5 | 14 | 7 | 21 | 20 | 10 | 30 | |
| Planting material production | 1 | 2 | 0 | 2 | 3 | 0 | 3 | 10 | 0 | 10 | 15 | 0 | 15 | |
| Vermi-culture | 1 | 0 | 2 | 2 | 0 | 2 | 2 | 0 | 11 | 11 | 0 | 15 | 15 | |
| Sericulture | | | | | | | | | | | | | | |
| Protected cultivation of vegetable crops | | | | | | | | | | | | | | |
| Commercial fruit production | | | | | | | | | | | | | | |
| Repair and maintenance of farm machinery and implements | 3 | 5 | 1 | 6 | 7 | 1 | 8 | 24 | 7 | 31 | 36 | 9 | 45 | |
| Nursery Management of Horticulture crops | | | | | | | | | | | | | | |
| Training and pruning of orchards | | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | | |
| Production of quality animal products | | | | | | | | | | | | | | |
| Dairying | | | | | | | | | | | | | | |
| Sheep and goat rearing | | | | | | | | | | | | | | |
| Quail farming | | | | | | | | | | | | | | |
| Piggery | | | | | | | | | | | | | | |
| Rabbit farming | | | | | | | | | | | | | | |
| Poultry production | 1 | 0 | 2 | 2 | 0 | 1 | 1 | 0 | 12 | 12 | 0 | 15 | 15 | |
| Ornamental fisheries | | | | | | | | | | | | | | |
| Para vets | | | | | | | | | | | | | | |

| 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 |
| Para extension workers | | | | | | | | | | | | | |
| Composite fish culture | | | | | | | | | | | | | |
| Freshwater prawn culture | | | | | | | | | | | | | |
| Shrimp farming | | | | | | | | | | | | | |
| Pearl culture | | | | | | | | | | | | | |
| Cold water fisheries | | | | | | | | | | | | | |
| Fish harvest and processing technology | | | | | | | | | | | | | |
| Fry and fingerling rearing | | | | | | | | | | | | | |
| Small scale processing | | | | | | | | | | | | | |
| Post Harvest Technology | | | | | | | | | | | | | |
| Tailoring and Stitching | | | | | | | | | | | | | |
| Rural Crafts | | | | | | | | | | | | | |
| Enterprise development | | | | | | | | | | | | | |
| Others if any (ICT application in agriculture) | | | | | | | | | | | | | |
| TOTAL | 12 | 15 | 9 | 24 | 18 | 8 | 26 | 71 | 49 | 120 | 104 | 71 | 175 |

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 | 2 | 0 | 2 | 3 | 0 | 3 | 10 | 0 | 10 | 15 | 0 | 15 |
| Integrated Pest Management | 1 | 2 | 1 | 3 | 3 | 1 | 4 | 4 | 4 | 8 | 9 | 6 | 15 |
| Integrated Nutrient management | | | | | | | | | | | | | |
| Rejuvenation of old orchards | | | | | | | | | | | | | |
| Value addition | | | | | | | | | | | | | |
| Protected cultivation 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 | |
| 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 | 1 | 1 | 1 | 2 | 1 | 1 | 2 | 10 | 1 | 11 | 12 | 3 | 15 | |
| 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 | 1 | 0 | 1 | 1 | 0 | 1 | 1 | 0 | 13 | 13 | 0 | 15 | 15 | |
| Production and use of organic inputs | | | | | | | | | | | | | | |
| Gender mainstreaming through SHGs | | | | | | | | | | | | | | |
| Crop intensification | | | | | | | | | | | | | | |
| Others if any | | | | | | | | | | | | | | |
| TOTAL | 4 | 5 | 3 | 8 | 7 | 3 | 10 | 24 | 18 | 42 | 36 | 24 | 60 | |

4. Frontline demonstration to be conducted*

FLD-1

Demonstration of Integrated Management of vector borne viral diseases of chilli

| | |
|-------------|--|
| Crop | Chilli |
| Thrust Area | Low yield due to infestation by vector borne virus |

| | |
|-------------------|-----------------------|
| Thematic Area | IPDM |
| Season | Kharif |
| Farming Situation | Irrigated Medium Land |

| Sl. No . | Crop & variety / Enterp rises | Prop osed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrat ed | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | |
|----------|-------------------------------|---------------------------------|--|--|---------------------------|--------|--------|--------------------------------|---|----|---|--------|---|-------|---|----|
| | | | | | Nam e of Inpu ts | De m o | Lo cal | SC | | ST | | Othe r | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| 1 | Chilli | 1 | Demonstration of Integrated Management of vector borne viral diseases of chilli Rotational sprayings with Acephate @ 1.5 g/l + Neem oil @ 2 ml/l followed by Fipronil @ 1.0 ml/l + Neem oil @ 2 ml/l followed by Imidacloprid @ 2 g/15 l + Neem oil @ 2 ml/l followed by Cyazypyrr @ 1.8 ml/l at weekly interval till fruit formation | Disease index, Yield , B:C | | | | 2 | 0 | 2 | 0 | 6 | 0 | 10 | 0 | 10 |

Extension and Training activities under FLD:

| Activit y | Title of Activity | No. | Clien tele | Du rati on | Venue On/ Off | No. of Participants | | | | | | | | | | |
|-----------|-------------------|-----|------------|------------|---------------|---------------------|---|----|---|-------|---|-------|---|----|---|---|
| | | | | | | SC | | ST | | Other | | Total | | | | |
| | | | | | | M | F | M | F | M | F | M | F | M | F | T |
| Training | IDM in chilli | 1 | F &FW | 1da y | off | 4 | 2 | 3 | 1 | 10 | 5 | 17 | 8 | 25 | | |
| Field day | IDM in chilli | 1 | F &FW | 1da y | off | 5 | 2 | 3 | 1 | 37 | 2 | 45 | 5 | 50 | | |

FLD- 2

| | |
|---------------|---|
| Crop | cucurbits |
| Thrust Area | Low yield from cucurbits due to disease incidence |
| Thematic Area | IDM |
| Season | Kharif |

| | |
|-------------------|-----------------------|
| Farming Situation | Irrigated Medium Land |
|-------------------|-----------------------|

| Sl. No . | Crop & variet y / Enter prises | Propos ed Area (ha)/ Unit (No.) | Technology package for demonstration | Paramet er (Data) in relation to technolo gy demonst rated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | | |
|----------|--------------------------------|---------------------------------|--|--|---------------------------|--------|--------|--------------------------------|---|----|---|--------|---|-------|---|----|--|
| | | | | | Nam e of Inpu ts | De m o | Lo cal | SC | | ST | | Othe r | | Total | | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T | |
| 1 | cucur bit | 1 | Popularization of IDM packages for cucurbit diseases Growing of two rows of maize as border crop+ use of agri silver mulch sheet Seed treatment with Carbendazim 12% + Mancozeb 63% @ 3 g/kg, Drenching of Captan 70% + Hexaconazole 5% WP @ 0.1% 15 days after germination, Spraying of Tebuconazole 50% + Trifloxystrobin 25% @1g/l + spray with (Imidacloprid 17.8 SL @7.5 ml/ 15 L+ Neem oil 0.2%) followed by Fosetyl-Al @ 0.1% at 10 days interval | Disease index, Yield , B:C | | | | 2 | 0 | 3 | 0 | 5 | 0 | 10 | 0 | 10 | |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/ Off | No. of Participants | | | | | | | | |
|-----------|-------------------|-----|-----------|----------|---------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | IDM in cucurbits | 1 | F &FW | 1day | off | 2 | 0 | 2 | 0 | 21 | 0 | 25 | 0 | 25 |
| Field day | IDM in curbits | 1 | F &FW | 1day | off | 7 | 0 | 2 | 0 | 21 | 0 | 30 | 0 | 30 |

FLD- 3

| | |
|-------------|--------------------------------|
| Crop | onion |
| Thrust Area | Poor yield due to onion blotch |

| | |
|-------------------|-----------------------|
| Thematic Area | IDM |
| Season | Rabi |
| 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 | Dem o | Local | SC | ST | Other | Total | M | F | M | F | M | F |
| 1 | onion | 1 | Demonstration of Management of the purple blotch disease of onion Seed treatment with Carboxin 37.5% + Thiram 37.5% (0.2%) + three foliar spraying with Tebuconazole 25 EC (0.1%) at 15 days interval starting from initiation of the infection will effectively control the disease | Disease index, Yield , B:C | | | | 1 | 1 | 8 | | 1 | 0 | 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 | M | F | T |
| Training | IDM in onion | 1 | F & FW | 1day | off | 2 | 1 | 2 | 1 | 17 | 2 | 21 | 4 | | | 25 |
| Field day | Management of Onion blotch | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | | | 50 |

FLD- 4

| | |
|------|-------|
| Crop | paddy |
|------|-------|

| | |
|-------------------|---|
| Thrust Area | Low yield from paddy due to YSB infestation |
| Thematic Area | IPM |
| Season | Rabi |
| 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 | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | T |
| 3 | paddy | 1 | Popularization of Package of practices for YSB management in direct seeded rice (DSR) ST of imidacloprid 70 WS @ 5ml/kg seed +Flubendiamide24 0SC+Thiachloprid 240SC@300ml/ha | Disease index, Yield , B:C | | | | | | | | | | | | | | |

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 | IPDM in paddy | 1 | F & FW | 1day | off | 3 | - | 3 | - | 19 | - | 25 | - | 25 |
| Field day | YSB management in paddy | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | 50 |

FLD- 5

| | |
|------|-----------|
| Crop | Pineapple |
|------|-----------|

| | | | | | | | | |
|-------------------|---|--|--|--|--|--|--|--|
| Thrust Area | Poor return from mango orchard due to solo cropping | | | | | | | |
| Thematic Area | Intercropping | | | | | | | |
| Season | Kharif | | | | | | | |
| 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 | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | T | |
| 5 | pineapple | 1 | <p>DEMONSTRATION ON PINEAPPLE AS AN INTERCROP IN MANGO Orchards</p> <p>Pineapple (variety Queen) as an intercrop in bearing low density mango plantation (100 plants/ ha). Queen which was planted in double row system with a spacing of 60 x 70 x 90 cm. About 12000-13000 of pineapple will be planted in the mango orchard, on raised bed (20 cm), using plastic mulch (60- 100 micron) and drip irrigation. By covering 50% area of mango plantation under pineapple cultivation</p> | Fruit wt. (gm.), Yield , B:C | | | | 3 | 1 | 6 | 10 | - | 10 | | | | | | |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/ Off | No. of Participants | | | | | | | | | |
|-----------|-----------------------------|-----|-----------|----------|---------------|---------------------|---|----|---|-------|---|-------|----|----|----|
| | | | | | | SC | | ST | | Other | | Total | | | |
| | | | | | | M | F | M | F | M | F | M | F | | |
| Training | Importance of intercropping | 1 | F & FW | 1day | off | 3 | - | 3 | - | 19 | - | 25 | | | 25 |
| Field day | Techniques of intercropping | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | 50 | |

FLD- 6

| | |
|------|--------|
| Crop | Chilli |
|------|--------|

| | | | | | | | | | | |
|-------------------|--|--|--|--|--|--|--|--|--|--|
| Thrust Area | Poor return from chilli due to low yield | | | | | | | | | |
| Thematic Area | HOS | | | | | | | | | |
| Season | Kharif | | | | | | | | | |
| 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 | Dem o | Loc al | SC | ST | Other | Total | M | F | M | F | M | F |
| | Chilli | 1 | DEMONSTRATION OF AMC FOR YIELD ENHANCEMENT IN CHILLI . For the main field application of one acre of land, 5 kg of AMC + 500 kg of FYM and applied near the root zone of standing crop | Yield (q/ha.), B:C | | | | 2 | 0 | 2 | 0 | 6 | 0 | 1 | 0 | 0 | 10 |

Extension and Training activities under FLD:

| Activit y | Title of Activity | No. | Clientele | Du rati on | Venue On/ Off | No. of Participants | | | | | | | | | | |
|-----------|----------------------|-----|-----------|------------|---------------|---------------------|---|----|---|-------|---|-------|---|---|---|----|
| | | | | | | SC | | ST | | Other | | Total | | | | |
| | | | | | | M | F | M | F | M | F | M | F | M | F | T |
| Training | INM in chilli | 1 | F &FW | 1day | off | 4 | 2 | 3 | 1 | 1 | 0 | 5 | 1 | 7 | 8 | 25 |
| Field day | Use of AMC in chilli | 1 | F &FW | 1day | off | 5 | 2 | 3 | 1 | 3 | 7 | 2 | 4 | 5 | 5 | 50 |

FLD- 7

| | |
|------|------------|
| Crop | Watermelon |
|------|------------|

| | |
|-------------------|---|
| Thrust Area | low yield from watermelon due to poor growth in initial stage |
| Thematic Area | HOF |
| Season | Rabi |
| 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 | Demand | Local | SC | | ST | | Other | | Total | | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T | |
| | water melon | | <p>Demonstration on transplanting method to check poor growth in initial stage of watermelon</p> <p>Nursery for watermelon can be prepared with either polythene bags of 200 gauge, 10 cm diameter & 15 cm height or through portrays under protected Nursery. Fill the bag with 1:1:1 soil, sand & FYM. Transplant about 12 days old seedling in main field</p> | Avg.fruit size (gm.), Yield (q/ha), B:C, | - | - | - | 3 | 0 | 1 | 0 | 6 | 0 | 10 | 0 | 10 | 10 |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|-----------|--|-----|-----------|----------|--------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Improved method of watermelon cultivation | 1 | F & FW | 1day | off | 4 | 2 | 3 | 1 | 10 | 5 | 17 | 8 | 25 |
| Field day | Raising of watermelon seedlings in polythene | 1 | F & FW | 1day | off | 5 | 2 | 3 | 1 | 37 | 2 | 45 | 5 | 50 |

FLD- 8

| | |
|------|--------|
| Crop | Banana |
|------|--------|

| | |
|-------------------|---|
| Thrust Area | Low yield due to poor nutrient management |
| Thematic Area | INM |
| Season | Kharif |
| 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 | De m o | Lo cal | SC | | ST | | Other | | Total | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T |
| | Banana | 1 | Popularisation of Bunch feeding of Banana Bunch feeding of banana after removal of flower with 7.5gm Urea + 7.5 gm SOP + 5gm Banana Special + 200gm Vermicompost | Weight of hands(kg), Yield (ton/ha), B:C | - | - | - | 3 | 0 | 1 | 0 | 6 | 0 | 10 | 0 | 10 |

Extension and Training activities under FLD:

| Activit y | Title of Activity | No. | Clientele | Du rati on | Venue On/ Off | No. of Participants | | | | | | | | |
|-----------|-----------------------------|-----|-----------|------------|---------------|---------------------|---|----|---|-------|---|-------|---|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | INM in Banana | 1 | F & FW | 1day | off | 4 | 2 | 3 | 1 | 10 | 5 | 17 | 8 | 25 |
| Field day | Techniques of bunch feeding | 1 | F & FW | 1day | off | 5 | 2 | 3 | 1 | 37 | 2 | 45 | 5 | 50 |

FLD- 9

| | |
|------|--------|
| Crop | Cotton |
|------|--------|

| | |
|-------------------|--|
| Thrust Area | Low yield due to more weed infestation |
| Thematic Area | IWM |
| Season | Kharif |
| 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 | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | T | |
| | Cotton | 1 | Demonstration on IWM in cotton Pre-emergence application of pendimethalin @ 1.0 kg a.i./ ha as pre-emergence with post emergence application of Quizalofop-p-ethyl @ 50g a.i./ ha at 20 DAS and one hand weeding at 45 DAS. manual weeding | Yield (Q/ha), B:C - - - | | | | 2 | 0 | 2 | 0 | 6 | 0 | 10 | 0 | 10 | 10 | | |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/ Off | No. of Participants | | | | | | | | | |
|-----------|-------------------------------------|-----|-----------|----------|---------------|---------------------|---|----|---|-------|---|-------|---|---|----|
| | | | | | | SC | | ST | | Other | | Total | | | |
| | | | | | | M | F | M | F | M | F | M | F | M | F |
| Training | IWM in cotton | 1 | F & FW | 1day | off | 4 | 2 | 3 | 1 | 10 | 5 | 17 | 8 | | 25 |
| Field day | Application of herbicides in cotton | 1 | F & FW | 1day | off | 5 | 2 | 3 | 1 | 37 | 2 | 45 | 5 | | 50 |

FLD- 10

| | |
|------|--------------------------------------|
| Crop | Multi-crop seed cum fertilizer drill |
|------|--------------------------------------|

| | |
|-------------------|---|
| Thrust Area | Less return due to more cost of cultivation |
| Thematic Area | Farm mechanization |
| Season | Kharif |
| 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 | De m o | Lo cal | SC | | ST | | Other | | Total | | |
| | | | | | M | F | M | F | M | F | M | F | M | F | M | T |
| | Multi-crop seed cum fertilizer drill | 1 | <p>Demonstration of Tractor operated multi-crop seed cum fertilizer drill for direct seeding of rice</p> <p>Tractor drawn Seed cum Fertilizer drill - Field capacity – 0.4ha/h, sowing of seeds in 9 row with the help of tractor operated Seed cum Fertilizer drill with vertical rotor feed mechanism and shovel type Furrow opener</p> | Working capacity (ha/hr), Yield (Q/ha), B:C | - | - | - | 2 | 0 | 3 | 0 | 5 | 0 | 10 | 0 | 10 |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|-----------|--|-----|-----------|----------|--------------|---------------------|---|----|---|-------|---|-------|----|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Importance of Multi-crop seed cum fertilizer drill | 1 | F & FW | 1day | off | 2 | 1 | 2 | 1 | 17 | 2 | 21 | 4 | 25 |
| Field day | Operation of Multi-crop seed cum fertilizer drill | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | 50 |

FLD- 11

| | |
|------|-----------------------------------|
| Crop | power operated groundnut thresher |
|------|-----------------------------------|

| | |
|-------------------|---|
| Thrust Area | Less return due to more cost of threshing |
| Thematic Area | Farm mechanization |
| Season | Kharif |
| Farming Situation | Rainfed up land |

| Sl. No. | Crop & variety / Enterprises | Proposed Area (ha)/ Unit (No.) | Technology package for demonstration | Parameter (Data) in relation to technology demonstrated | Cost of Cultivation (Rs.) | | | No. of farmers / demonstration | | | | | | | | | | | |
|---------|------------------------------------|--------------------------------|---|---|---------------------------|--------|--------|--------------------------------|----|-------|-------|---|---|---|---|---|---|---|---|
| | | | | | Name of Inputs | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | M | F |
| | power operated ground nut thresher | 1 | Demonstration of power operated groundnut thresher Powered by a 15 HP motor , threshing capacity is 900-1000kg/hr | Working capacity (kg./hr), Cost of threshing (Rs./q), B:C | | | | | | | | | | | | | | | |

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 | M | F | T |
| Training | Use of power operated groundnut thresher | 1 | F & FW | 1day | off | 3 | - | 3 | - | 19 | - | 25 | - | | | 25 |
| Field day | Operation of power operated groundnut thresher | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | | | 50 |

FLD- 12

| | |
|------|------------------------------|
| Crop | Tractor Operated Straw Baler |
|------|------------------------------|

| | |
|-------------------|---|
| Thrust Area | More time & labour required for collection of straw |
| Thematic Area | Farm mechanization |
| Season | Rabi |
| 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 | Dem o | Loc al | SC | | ST | | Other | | Total |
| M | F | M | F | M | F | M | F | M | F | M | F | M | F | T |
| Tractor Operated Straw Baler | 1 | Demonstration of Tractor Operated Straw Baler for collection of Paddy straw It is tractor PTO operated. It picks up the cut straw left by combine harvester. It compresses straw into a round bale weighing 20-35kg. It requires 45 HP dual clutch tractor. | Working capacity (q./hr ,Yield (Q/ha), B:C | | | | | 3 | 2 | 1 | 2 | | 10 | - 10 |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|-----------|---|-----|-----------|----------|--------------|---------------------|---|----|---|-------|---|-------|----|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Use of Tractor Operated Straw Baler for collection of Paddy straw | 1 | F & FW | 1day | off | 5 | 2 | 2 | 1 | 10 | 5 | 17 | 8 | 25 |
| Field day | Operation of Tractor Operated Straw Baler for collection of Paddy straw | 1 | F & FW | 1day | off | 3 | 2 | 2 | 2 | 35 | 6 | 40 | 10 | 50 |

FLD- 13

| | |
|------|----------------------------|
| Crop | six row paddy transplanter |
|------|----------------------------|

| | |
|-------------------|---|
| Thrust Area | Less return due to more cost of cultivation |
| Thematic Area | Farm mechanization |
| Season | Rabi |
| 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 |
| | 6 row paddy transplanter | 1 | Demonstration of walk behind 6 row paddy transplanter Field capacity- 0.38ha/day, run by push & pull force. | Field capacity (ha/day), Yield (Q/ha), B:C | | | | - | - | - | - | - | - | 10 | 010 |

Extension and Training activities under FLD:

| Activity | Title of Activity | No. | Clientele | Duration | Venue On/Off | No. of Participants | | | | | | | | |
|-----------|---|-----|-----------|----------|--------------|---------------------|---|----|---|-------|----|-------|----|----|
| | | | | | | SC | | ST | | Other | | Total | | |
| | | | | | | M | F | M | F | M | F | M | F | T |
| Training | Use of six row paddy transplanter | 1 | F & FW | 1 day | off | | | | | | | 15 | 10 | 25 |
| Field day | Operation of six row paddy transplanter | 1 | F & FW | 1 day | off | 6 | 2 | 2 | 2 | 8 | 30 | 16 | 34 | 50 |

FLD- 14

| | |
|-----------------|---------|
| Crop/Enterprise | Poultry |
|-----------------|---------|

| | |
|-------------------|-------------------------------|
| Thrust Area | Low return from local poultry |
| Thematic Area | IGA |
| 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 | De m o | Lo cal | SC | | ST | | Other | | Total | | | |
| | | | | | | | | M | F | M | F | M | F | M | F | T | |
| | Poultry | 10 | Demonstration of improved poultry breed of RIR (Rhode Island Red) in backyard Brown colour bird with male & female attain avg. wt. 3.9 kg & 3 k.g & lays avg. 200-300 eggs /year. | Live body wt. (kg/6 months), Eggs (no./annum) B:C | | | | - | 2 | - | 2 | - | 6 | 6 | 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 | Rearing management of improved poultry breed | - | - | - | - | 10 | 0 | 10 | 6 | 3 | 13 | 12 | 25 | |
| Field day | Vaccination of poultry | 1 | F & FW | 1day | off | 5 | 3 | 8 | 2 | 12 | 25 | 20 | 25 | 50 |

FLD- 15

| | |
|------|--------|
| Crop | Tomato |
|------|--------|

| | |
|-------------------|--|
| Thrust Area | Distress sale and spoilage due to high perishability nature of tomato |
| Thematic Area | Value addition |
| Season | Rabi |
| 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 | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | T | |
| | Tomato | 1 | Popularization of tomato var. ArkaApekshya for value added products (Puree) of Tomato Preparation of Tomato Puree (Tomato pulp and spices, salt, sugar and vinegar, with or without onion and garlic, and contains not less than 12 per cent tomato solids and 25 per cent total solids) from Tomato Var.-A. Apeskhy | Yield (Q/ha), Conversion Puree (%), B:C | | | | 0 | 2 | 0 | 1 | 0 | 7 | 0 | 1 | 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 | M | F | T |
| Training | Value addition of tomato | 1 | F & FW | 1day | off | 0 | 2 | 0 | 2 | 0 | 2 | 0 | 25 | 0 | 25 | 25 |
| Field day | Preparation of tomato puree from A. Apekshya | 1 | F & FW | 1day | off | 4 | 5 | 4 | 5 | 4 | 8 | 2 | 12 | 38 | 50 | |

| | |
|-------------------|---|
| Crop/ Enterprise | Quail |
| Thrust Area | Less profit from poultry farming due to more feed consumption & prone to many diseases |
| Thematic Area | IGA |
| 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 | De m o | Local | SC | ST | Other | Total | M | F | M | F | M | F | T | |
| | Quail | 10 | Demonstration on Quail farming under intensive system for income generation Dual purpose bird. Rearing of Quail birds- (Spacing – 1.5 sq.ft/bird, Feed efficiency (5th week- 2.6), Body wt. at 5 week-220 gm, egg- 7-15 gm | Avg. body wt. (Kg), Egg production (No./annum) | | | | 0 | 2 | 0 | 1 | 0 | 7 | 0 | 1 | 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 | M | F |
| Training | Rearing management of quails | 1 | F & FW | 1day | off | 0 | 2 | 0 | 4 | 0 | 19 | 0 | 25 | 25 | 25 |
| Field day | Brooding of quail | 1 | F & FW | 1day | off | 3 | 4 | 3 | 5 | 4 | 21 | 20 | 30 | 50 | 50 |

FLD- 17

| | |
|-------------------|---|
| Crop | Fingermillet |
| Thrust Area | Poor income from finger millet by preparing only powder |
| Thematic Area | IGA |
| Season | Kharif |
| 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 |
| | Brinjal | 1 | Demonstration on preparation of Ragi Malt powder Soaking (4 hr.), germination at room temp. I moist cloth, drying (50° C for 8 hr.), roasting & milling | Shelf life (days), Sensory evaluation, B:C | | | | 0 | 3 | 0 | 1 | 0 | 6 | 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 | Value added products of fingermillet | 1 | F & FW | 1day | off | 0 | 3 | 0 | 5 | 0 | 17 | 1 | 0 | 25 |
| Field day | Preparation of ragi malt powder | 1 | F & FW | 1day | off | 0 | 7 | 0 | 4 | 0 | 39 | 0 | 50 | 50 |

| | |
|-------------------|--|
| Crop | Brinjal |
| Thrust Area | High Mortality and loss due to wilting in brinjal. |
| Thematic Area | IGA |
| Season | Kharif |
| 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 | De m o | Lo cal | SC | ST | Other | Total | M | F | M | F | M | F | T | |
| | Brinjal | 1 | Popularisation of wilt resistant brinjal var. Arka Anand in nutritional garden Planting the seedling at 75cm X 75cm m with a fertilizer dose of 200: 100:100 NPK kg/ha | Yield (Q/ha), B:C | | | | 0 | 2 | 0 | 1 | 0 | 7 | 0 | 1 | 0 | 10 | | |

Extension and Training activities under FLD:

| Activit y | Title of Activity | No. | Clientele | Du rati on | Venue On/ Off | No. of Participants | | | | | | | | | | |
|-----------|--|-----|-----------|------------|---------------|---------------------|---|----|---|-------|---|-------|---|----|----|----|
| | | | | | | SC | | ST | | Other | | Total | | | | |
| | | | | | | M | F | M | F | M | F | M | F | M | F | T |
| Training | Improved method of brinjal cultivation | 1 | F &FW | 1day | off | 0 | 5 | 0 | 3 | 0 | 1 | 7 | 0 | 2 | 5 | 25 |
| Field day | Harvesting of brinjal | 1 | F &FW | 1day | off | 0 | 6 | 0 | 2 | 0 | 4 | 2 | 0 | 50 | 50 | 50 |

5. 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.) |
| Paddy (kharif) | Bina Dhan-11 | 25.06.2023 to 5.11.2023 | 5 ha | FS | 225 | 400000 | 720000 | 320000 |
| Sesamum (Kharif) | Smarak | | 1 ha | TL | 2.5 | 8500 | 22625 | 14125 |
| Paddy (Rabi) | Bina Dhan-11 | 20.12.2023 to 15.04.2024 | 2 ha | CS | 80 | 140000 | 252000 | 112000 |
| Tomato | ArkaRakshak | 30.06.2023- 31.3.2024 | - | Seedlings | 5000 | 5000 | 12500 | 7500 |
| | Arka Samrat | 30.06.2023- 31.3.2024 | - | Seedlings | 5000 | 5000 | 12500 | 7500 |
| Brinjal | ArkaHarsita | 30.06.2023- 31.3.2024 | - | Seedlings | 3000 | 2000 | 4500 | 2500 |
| Chilli | ArkaHarita | 30.06.2023- 31.3.2024 | - | Seedlings | 3000 | 3000 | 7500 | 4500 |
| Papaya | Arka Prabhat | 30.06.2023 | - | Seedlings | 500 | 5000 | 12500 | 7500 |
| Cauliflower | Julee | 15.09.2023 | - | Seedlings | 1000 | 1000 | 2500 | 1500 |
| Vermicompost | <i>E.Foetida</i> | 15.04.2023- 31.03.2024 | - | Vermicompost | 50 q | 25000 | 75000 | 50000 |
| Mushroom Spawn | <i>V.volvacea</i> & <i>P. sajorcaju</i> | 15.04.2023- 31.03.2024 | - | Spawn | 1500 | | | |

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.) |
| Arhar | LRG-52 | July to December 2023 | 10 | 5 | Certified | 50 | 3900 00 | 480000 | 90000 |
| Greengram | Virat | November to March 2023-2024 | 20 | 10 | Foundation | 60 | 5000 00 | 650000 | 150000 |

6.Extension Activities

| Sl. No . | Activities/ Sub-activities | No. of activities proposed | Farmers | | | | Extension Officials | | | Total | | |
|----------|--|----------------------------|---------|------|-------|----------------------|---------------------|--------|-------|-------|--------|--------|
| | | | M | F | T | SC/ ST (% of total) | Male | Female | Total | Male | Female | Total |
| 1. | Field Day | 16 | 45 0 | 20 0 | 650 | 33 | 12 | 3 | 15 | 462 | 203 | 665 |
| 2. | KisanMela | 1 | 62 | 27 | 89 | 31 | 8 | 3 | 11 | 70 | 30 | 100 |
| 3. | KisanGhosthi | 2 | 28 | 0 | 28 | 29 | 1 | 1 | 2 | 29 | 1 | 30 |
| 4. | Exhibition | 3 | 93 5 | 34 5 | 128 0 | 32 | 12 | 8 | 20 | 947 | 353 | 1300 |
| 5. | Film Show | 24 | 32 5 | 12 5 | 450 | 39 | 20 | 10 | 30 | 345 | 135 | 480 |
| 6. | Method Demonstrations | 20 | 37 5 | 12 5 | 500 | 28 | 14 | 6 | 20 | 389 | 131 | 520 |
| 7. | Farmers Seminar | 2 | 30 | 20 | 50 | 35 | 2 | 1 | 3 | 32 | 21 | 53 |
| 8. | Workshop | 1 | 35 | 15 | 50 | 38 | 1 | 1 | 2 | 36 | 16 | 52 |
| 9. | Group meetings | 15 | 15 0 | 75 | 225 | 36 | 12 | 6 | 18 | 162 | 81 | 243 |
| 10. | Lectures delivered as resource persons | 25 | 47 5 | 12 5 | 600 | 37 | 18 | 7 | 25 | 493 | 132 | 625 |
| 11. | Advisory Services | 48 | | | | | | | | | | 8000 0 |
| 12. | Scientific visit to farmers field | 220 | 80 0 | 30 0 | 110 0 | 34 | 45 | 15 | 60 | 845 | 315 | 1160 |
| 13. | Farmers visit to KVK | 500 | 37 5 | 12 5 | 500 | 39 | 35 | 15 | 50 | 410 | 140 | 550 |

| 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 |
| 14. | Diagnostic visits | 25 | 60 | 15 | 75 | 41 | 18 | 7 | 25 | 78 | 22 | 100 |
| 15. | Exposure visits | 1 | 30 | 10 | 40 | 22 | 3 | 1 | 4 | 33 | 11 | 44 |
| 16. | Ex-trainees Sammelan | 1 | 18 | 7 | 25 | 33 | 2 | 1 | 3 | 20 | 8 | 28 |
| 17. | Soil health Camp | 1 | 42 | 8 | 50 | 38 | 2 | 2 | 4 | 44 | 10 | 54 |
| 18. | Animal Health Camp | 1 | 38 | 12 | 50 | 44 | 2 | 4 | 6 | 40 | 16 | 56 |
| 19. | Agri mobile clinic | | | | | | | | | | | |
| 20. | Soil test campaigns | 2 | 85 | 15 | 100 | 36 | 4 | 2 | 6 | 89 | 17 | 106 |
| 21. | Farm Science Club Conveners meet | 16 | 230 | 0 | 230 | 39 | 7 | 3 | 10 | 237 | 3 | 240 |
| 22. | Self Help Group Conveners meetings | 12 | 0 | 180 | 18 | 30 | 2 | 8 | 10 | 2 | 188 | 190 |
| 23. | MahilaManda ls Conveners meetings | 2 | 0 | 30 | 30 | 36 | 2 | 3 | 5 | 2 | 33 | 35 |
| 24. | Celebration of important days (specify) | 6 | 175 | 125 | 300 | 32 | 8 | 4 | 12 | 183 | 129 | 312 |
| 25. | Sankalp Se Siddhi | | | | | | | | | | | |
| 26. | Swatchta Hi Sewa | 15 | 425 | 125 | 550 | 39 | 12 | 8 | 20 | 437 | 133 | 470 |
| 27. | Mahila Kisan Diwas | 1 | 0 | 50 | 50 | 36 | 1 | 1 | 2 | 1 | 51 | 52 |
| 28. | Any Other (Specify) | | | | | | | | | | | |
| | Total | | | | | | | | | | | |

7. Revolving Fund (in Rs.)

| Opening balance of 2022-23 (As on 01.04.2022) | Amount proposed to be invested during 2023-24 | Expected Return |
|---|---|-----------------|
| 1,98,915.65 | 7,50,000 | 11,00,00 |

8. Expected fund from other sources and its proposed utilization

| Project | Source | Amount to be received (Rs. in lakh) | Proposed purpose of utilization (in brief) |
|---------|--------|-------------------------------------|--|
| | | | |

9. On-farm trials to be conducted*

OFT- 1

| | | |
|---|----------|---|
| Season | : | Kharif,2023 |
| Title of the OFT | : | Assessment of chemical methods of control of seedling blight disease of Finger millet |
| Thematic Area | : | Integrated pest & disease management |
| Problem diagnosed | : | Poor yield of Finger millet due to seedling blight disease. |
| Important cause | : | Lack of preventive measures for disease management |
| Production system | : | Fingermillet-fallow |
| Micro farming system | : | Rainfed upland |
| Technology for Testing | : | To asses chemical methods of control of seedling blight disease of Finger millet |
| Existing Practice | : | Transplanting seedling with application of FYM@0.5t/ha |
| Hypothesis | : | Seed treatment with combined bio agents .(Pseudomonas fluorescence + Trichoderma viride & Soil application with lime may control blight disease of Finger millet at seedling stage |
| Objective (s) | : | To reduce the incidence of seedling blight disease of Finger millet |
| Treatments | : | |
| Farmers Practice (FP) | : | Sowing of seeds with application of FYM @ 0.5t/ha |
| Technology option-I (TO-I) | : | Soil application with Bleaching powder @ 30 kg/ha just 10 days prior to sowing +application of microbial consotorium @2.5kh/ha mixed with 50 kg FYM at time of sowing |
| Technology option-II (TO-II) | : | Seed treatment with combined bio agents .(Pseudomonas fluorescence + Trichoderma viride @ 6gm /kg of seeds, Spraying of Vitavax 75% WP @5gm / liter of water & Application of lime during last ploughing @ 250kg/acre |
| Critical Inputs | : | Elemental sulphur, Bleaching powder, fluorescence Trichoderma viride |
| Unit Size | : | 1 ha. |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | Disease index , yield (Q/ha.), B:C |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | IIMR,2019 & TNAU-2014 |

OFT- 2

| | | |
|---|----------|---|
| Season | : | Rabi,2023-24 |
| Title of the OFT | : | Assessment of Efficacy of bio-pesticides for the management of <i>M. incognita</i> affecting Okra |
| Thematic Area | : | Integrated pest management |
| Problem diagnosed | : | Low yield from okra due to nematode infestation. |
| Important cause | | Less use of Biopesticides for pest management |
| Production system | : | Veg-veg |
| Micro farming system | : | Irrigated medium land |
| Technology for Testing | : | Seed treatment of okra with liquid formulation of <i>Bacillus pumilus</i> 1% A.S @ 10 ml/kg seed and application of 20 tons of FYM enriched with <i>B. pumilus</i> @ 5 lit |
| Existing Practice | : | seed treatment with <u>T.viride@5gm/kg</u> seed |
| Hypothesis | | Seed treatment of okra with liquid formulation of <i>Bacillus pumilus</i> and application of FYM enriched with <i>B. pumilus</i> may control the nematode infestation in okra |
| Objective (s) | : | To reduce the incidence of nematode infestation in okra |
| Treatments | | |
| Farmers Practice (FP) | : | seed treatment with <u>T.viride@5gm/kg</u> seed |
| Technology option-I (TO-I) | : | Seed treatment with <i>P. lilacinum</i> @ 5 ml/kg + application of vermicompost @ 2.5 ton/ha enriched with <i>P. lilacinum</i> (@ 10 ml/kg) |
| Technology option-II (TO-II) | : | Seed treatment of okra with liquid formulation of <i>Bacillus pumilus</i> 1% A.S @ 10 ml/kg seed and application of 20 tons of FYM enriched with <i>B. pumilus</i> @ 5 lit/ha |
| Critical Inputs | : | <i>Bacillus pumilus</i> , <i>P. lilacinum</i> , v.compost |
| Unit Size | : | 1 ha. |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | % of wilted plants, yield (Q/ha.), B:C |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | AICRP on Nematodes, BBSR,2018 & IIHR,2017 |

OFT- 3

| | | |
|---|----------|--|
| Season | : | Kharif,2023 |
| Title of the OFT | : | Assessment of performance of grafted brinjal under different spacing |
| Thematic Area | : | Production and Management technology |
| Problem diagnosed | : | Low yield of Brinjal in traditional Practice |
| Important cause | | Poor yield due to improper crop canopy growth |
| Production system | : | Veg-veg |
| Micro farming system | : | Irrigated medium land |
| Technology for Testing | : | Planting of Grafted Brinjal Plant at 1.5m X 1.5 m |
| Existing Practice | : | Planting of Grafted Brinjal Plant at 2m X 1 m |
| Hypothesis | | More yield may be obtained from spacing of 1m x 1m |
| Objective (s) | : | To evaluate the performance of grafted brinjal under different spacing |
| Treatments | | |
| Farmers Practice (FP) | : | Planting of Grafted Brinjal Plant at 2m X 1 m |
| Technology option-I (TO-I) | : | Planting of Grafted Brinjal Plant at 1m X 1 m |
| Technology option-II (TO-II) | : | Planting of Grafted Brinjal Plant at 1.5m X 1.5 m |
| Critical Inputs | : | Grafted Brinjal |
| Unit Size | : | 0.4 |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | % of wilted plants, yield (Q/ha.), B:C |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | TNAU,2017 |

OFT- 4

| | | |
|---|---|---|
| Season | : | Kharif,2023 |
| Title of the OFT | : | Assessment on use of plant growth regulator to check flower & fruit drop in mango. |
| Thematic Area | : | Management of Orchards |
| Problem diagnosed | : | Flower & fruit dropping resulting in low yield. |
| Important cause | | Poor yield due to high fruit drop |
| Production system | : | Orchard |
| Micro farming system | : | Irrigated medium land |
| Technology for Testing | : | Application of NAA 20 ppm lit of water i.e. 1 st spray when tender fruits are of pea size, 2 nd spray at marble size of fruit (about 2 cm. dia.) to reduce flower & fruit drop |
| Existing Practice | : | Spraying of Planofix-4ml/16 lit at flowering & pea size of Fruit |
| Hypothesis | | Spraying of plant growth regulator NAA may check flower & fruit drop in mango. |
| Objective (s) | : | To check the flower& fruit drop in mango. |
| Treatments | | |
| Farmers Practice (FP) | : | Spraying of Planofix-4ml/16 lit at flowering & pea size of Fruit |
| Technology option-I (TO-I) | : | Folliar application of Triacontanol @ 3-5 ppm at panicle initiation,fruit set and marble stage of fruit growth enhance fruit retention in mango. Godrej Vipul Booster can be used as a source of 1000 ppm of Triacontanol. |
| Technology option-II (TO-II) | : | Application of NAA 20 ppm lit of water i.e. 1 st spray when tender fruits are of pea size, 2 nd spray at marble size of fruit (about 2 cm. dia.) reduce flower & fruit drop & improve the fruit quality. Expected yield-60-70 kg/plant. |
| Critical Inputs | : | Triacontanol, NAA |
| Unit Size | : | 0.4 |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | % decrease in flower drop,% decrease in fruit drop, fruit wt. (gm), avg. no. of fruit/plant, yield (Q/ha), B:C |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | CHES,2019 |

OFT- 5

| | | |
|---|---|---|
| Season | : | Low yield from local variety due to poor pollination. |
| Title of the OFT | : | Assessment of Spine gourd variety for more yield. |
| Thematic Area | : | Varietal Evaluation |
| Problem diagnosed | : | FP- Growing Local variety of spine gourd. TO1-Cultivation of ArkaNeelanchal Shanti (High yielding :15-16kg/vine, medium sized fruit(20g), moderately tolerant to fruit borer, anthracnose & downy mildew. TO2- Cultivation of ArkaNeelanchalGourav (Fruits are attractive, uniform lush green round oval fruitwith soft seed and high quality edible portion for culinary purpose sand soft seeded. Yields- 18-20 ton/ha. it is reported to be tolerant to anthracnose & downy mildew. |
| Important cause | | Poor availability of HYV. spine gourd |
| Production system | : | Veg-veg |
| Micro farming system | : | Irrigated medium land |
| Technology for Testing | : | Low yield from local variety due to poor pollination. |
| Existing Practice | : | Use of non descriptive local variety |
| Hypothesis | | Cultivation of HYV. ArkaNeelanchalGourav may improve the yield |
| Objective (s) | : | To asses the yield of spine gourd |
| Treatments | | |
| Farmers Practice (FP) | : | Growing Local variety of spine gourd. |
| Technology option-I (TO-I) | : | Cultivation of ArkaNeelanchal Shanti |
| Technology option-II (TO-II) | : | Cultivation of ArkaNeelanchalGourav |
| Critical Inputs | : | ArkaNeelanchal Shanti, ArkaNeelanchalGourav |
| Unit Size | : | 0.4 |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | Avg. no. of fruits/plant, Yield (Q/ha.) B:Cratio |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | IIHR,2011 |

OFT- 6

| | | |
|---|----------|---|
| Season | : | Kharif , 2023 |
| Title of the OFT | : | Assessment of Method of planting in Pigeon Pea in Upland Situation |
| Thematic Area | : | Crop production |
| Problem diagnosed | : | Yield loss in pigeon pea due to dry spell and heavy rains in rainfed areas |
| Important cause | : | Poor yield due to less crop growth |
| Production system | : | Pigeon pea- fallow |
| Micro farming system | : | Rainfed upland |
| Technology for Testing | : | System of Pigeon Pea Intensification - raising of seedlings in poly bags for a period of one month and transplanting at 90 x 40cm |
| Existing Practice | : | Flat line sowing (60cm x 30cm) |
| Hypothesis | : | System of Pigeon Pea Intensification may increase the yield |
| Objective (s) | : | To improve the yield of pigeonpea |
| Treatments | : | |
| Farmers Practice (FP) | : | Flat line sowing (60cm x 30cm) |
| Technology option-I (TO-I) | : | sowing by Broad Bed and Furrow (BBF) , A broad bed of 90cm, furrow of 45cm and sowing of crop at a row spacing of 30cm |
| Technology option-II (TO-II) | : | System of Pigeon Pea Intensification - raising of seedlings in poly bags for a period of one month and transplanting at 90 x 40cm |
| Critical Inputs | : | Seed, Ridger |
| Unit Size | : | 1 ha. |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | No. of Pods/plant, test weight (gm.),Yield (Q/ha.) B:C |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | KVK, Umaria 2020 |

OFT- 7

| | | |
|---|---|---|
| Season | : | water shortage in rainfed regions |
| Title of the OFT | : | Assessment of puddled rice with different water saving irrigation method |
| Thematic Area | : | Integrated water managemrnt |
| Problem diagnosed | : | water shortage in rainfed regions |
| Important cause | | Dependance on monsoon rain only |
| Production system | : | Rice- fallow |
| Micro farming system | : | Rainfed lowland |
| Technology for Testing | : | To asses the water requirements |
| Existing Practice | : | continuous flooding |
| Hypothesis | | AWD techniques may conserve water |
| Objective (s) | : | To assess the water requirement of puddled rice with different water saving irrigation method |
| Treatments | | |
| Farmers Practice (FP) | : | continuous flooding |
| Technology option-I (TO-I) | : | Alternate wetting and drying (AWD) |
| Technology option-II (TO-II) | : | Irrigation at 3 days after disappearance (3-DAD) |
| Critical Inputs | : | AWD equipments |
| Unit Size | : | 1 ha. |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | Yield t/ha, water saving, weed control % |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | IIWM, Bhuaneswar, Annual Report 2018-19 |

OFT- 8

| | | |
|--------------------------------|---|---|
| Season | : | Rabi,2023-24 |
| Title of the OFT | : | Assessment of in-situ soil moisture conservation methods in tomato radish sequence |
| Thematic Area | : | Soil water conservation |
| Problem diagnosed | : | Less soil moisture result in taking only one crop leading to less income/unit area and intensive weed problem result in less productivity |
| Important cause | : | No use of moisture conservation technology |
| Production system | : | Veg-veg |
| Micro farming system | : | Irrigated medium land |
| Technology for Testing | : | Less soil moisture result in taking only one crop leading to less income/unit area and intensive weed problem result in less productivity |
| Existing Practice | : | Ridge and furrow method |
| Hypothesis | : | Organic mulch may improve the water holding capacity of the soil |
| Objective (s) | : | To increase the soil productivity |
| Treatments | : | |
| Farmers Practice (FP) | : | Ridge and furrow method |
| Technology option-I (TO-I) | : | Ridge and furrow method with organic mulch |
| Technology option-II (TO-II) | : | Broad bed furrow method |
| Technology option-III (TO-III) | : | Broad bed furrow method with organic mulch |
| Critical Inputs | : | Ridger |
| Unit Size | : | 1 ha. |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |
| Monitoring Indicator | : | Yield (q/ha), moisture content (%), growth parameters, |

| | | |
|---|----------|---|
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | AICRP on Dryland Agriculture, Annual Report, 2017-18. |
|---|----------|---|

OFT- 9

| | | |
|-------------------------------|----------|--|
| Season | : | Kharif,2023 |
| Title of the OFT | : | Assessment of the improved techniques for cultivation of Paddy straw mushroom (<i>Volvariella volvacea</i>) using crumpled straw |
| Thematic Area | : | Income generating activities |
| Problem diagnosed | : | Less income due to low yield& poor utilization of crumpled paddy straw |
| Important cause | : | FP-Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw-5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), Unknown age of spawn, 3% of dry substrate weight, pulse powder 3% dry substrate weight, BE-8-10% |
| Production system | : | Paddy- Mushroom |
| Micro farming system | : | Homeestead |
| Technology for Testing | : | Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCO_3 , 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horsegram powder (at 2% dry substrate weight) |
| Existing Practice | : | Less income due to low yield & poor utilization of crumpled paddy straw |
| Hypothesis | : | In circular compact sized bed method, Seeding the beds with right age of matured spawn (14- 20 days old) & maintenance of homogeneous moisture level and temperature between different layers may lead to more pinheads and buttons resulting in high yield . |
| Objective (s) | : | To improve the yield of mushroom bed |
| Treatments | : | |
| Farmers Practice (FP) | : | Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw-5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight, pulse powder 3% dry substrate weight, BE-8-10% |
| Technology option-I (TO-I) | : | Square compact bed size (30x30cm) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCO_3 , 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horsegram powder (at 2% dry substrate weight) |
| Technology option-II (TO-II) | : | Circular compact bed size -(45cm diameter, 30cm height) Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCO_3 , 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horsegram powder (at 2% dry substrate weight)) |
| Critical Inputs | : | Spawn, horsegram powder, sprayer |
| Unit Size | : | 20 bed |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |

| | | |
|-----------------------------|----------|--|
| Monitoring Indicator | : | Yield (kg/bed), Biological efficiency(%), B:Cratio |
| Source of Technology | : | Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012 |

OFT- 10

| | | |
|-------------------------------|----------|--|
| Season | : | Rabi, 2023-24 |
| Title of the OFT | : | Assessment of processing and packaging methods of tender jackfruit |
| Thematic Area | : | Value addition |
| Problem diagnosed | : | Poor price realization from sale of whole tender jackfruit |
| Important cause | : | Poor knowledge in processing techniques |
| Production system | : | Orchard |
| Micro farming system | : | Irrigated upland |
| Technology for Testing | : | Dipping the cuttings of jackfruits in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C |
| Existing Practice | : | Direct selling of whole Tender Jackfruit |
| Hypothesis | : | Treatment of jackfruit with Citric acid & ascorbic acid followed by drying and packaging may enhance the Shelf life upto 5-7 days. This also may help in retention of colour. |
| Objective (s) | : | To assess the shelf-life of jackfruit |
| Treatments | : | |
| Farmers Practice (FP) | : | Direct selling of whole Tender Jackfruit |
| Technology option-I (TO-I) | : | Peeling of Jackfruit by knife/ paniki, cut into pieces and packaging in polyethene |
| Technology option-II (TO-II) | : | Surface cleaning / dirt removal by washing, Peeling and cutting into pieces. Dipping in 0.5% (w/v) Citric acid and 0.1% ascorbic acid for 7 minutes, surface drying and packaging in punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10°C |
| Critical Inputs | : | Citric acid, ascorbic acid, ascorbic acid |
| Unit Size | : | 10 k.g |
| No of Replications | : | 7 |
| Unit Cost | : | 2000 |
| Total Cost | : | 14000 |

| | | |
|---|---|---------------------------------------|
| Monitoring Indicator | : | Shelf Life (Days), Sensory Evaluation |
| Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify) | : | AICRP on PHET-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.) |
|---------|---------------------|---------------------|
| 1 | IRRI Trials | 50,000 |
| 2 | ATMA project | 1,00,000 |

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

| Sl. No. | Tentative titles |
|---------|---|
| 1 | Cotton cultivation brings prosperity to farmers |
| 2 | Farm mechanization made life comfortable |
| 3 | Poultry farming acts as a boon for farm women |

12. Scientific Advisory Committee

| Date of SAC meeting held during 2022 | Proposed date during 2023 |
|--------------------------------------|---------------------------|
| 19.01.22 | 21.12.23 |

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 | 150 | 62 | 0 | 94 | 0 | 336 | 4 | 492 | 4 | 496 |
| Water Samples | 20 | 3 | 0 | 4 | 1 | 11 | 1 | 18 | 2 | 20 |
| Other (Please specify) | | | | | | | | | | |
| Total | 170 | 65 | 0 | 98 | 1 | 347 | 5 | 510 | 6 | 516 |
| | | | | | | | | | | 43 |

14. Fund requirement and expenditure (Rs.)*

| Heads | Expenditure (last year) (Rs.) up to 31.03.2022 | Expected fund requirement (Rs.) during 2023-24 |
|--------------------|---|--|
| Contingency | 11,49,000 | 13,00,000 |
| TA | 93,000 | 1,20,000 |
| HRD | 9,000 | 30,000 |
| SCSP | 14,95,000 | 15,00,000 |
| Non Recurring | 7,57,000 | 5,00,000 |
| Repair& Renovation | 0 | 5,00,000 |
| Staffs Quarter | 0 | 1,00,00,000 |

| | | |
|------------------------|----------|------------------------------|
| Cluster Demo (Pulse) | 1,79,000 | 3,60,000 (40 ha. x 9000) |
| Cluster Demo (Oilseed) | 1,00,000 | 4,80,000 (40 ha. x 12000) |
| Swachhata | 20,000 | 20,000 |

* Any additional requirement may be suitably justified.

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

Popularization of greengram var. virat

Greengram is the major pulse crop growing in Bargarh district. It is generally cultivated in 20634 ha. during kharif & in 8079 ha. during rabi season covering a total of area ha. . Farmers are not able to obtain a good yield due to poor availability of good quality seed, YMV infestation. lack of irrigation after monsoon rain. Some have kept their land fallow after harvesting of paddy and had no alternative crop for his rainfed land even though they consume only rice with little or no dal. To overcome these problem KVK, Bargarh had taken initiative to improve the yield of greengram with Short duration variety Virat (55-60 days) with improved technology practices. As this variety is also resistant to YMV infestation the Farmers were supplied with Virat under CFLD (pulse) programme and seed hub prog. They were trained with line sowing behind plough at a spacing of 30cmx10cm, seed treatment with Carbendazim@ 1gm/kg & Rhizobium culture@20gm/kg seed, applied soil test based fertilizer with special emphasis on application of Phospho-Gypsum@ 2.5Q/Ha. During pre pod formation stage they were sprayed Indoxacarb15.8SL@ 1ml/5litrs of water to control pod borers and Sulphur 80WP @ 5 gm. /ltr of water to manage powdery mildew disease. They have applied two irrigations at pre flowering and pod development stage. They are now able to yield an avg. of 8.5 q/ha in place of 3.5 q/ha in their traditional practices. Some of them are also storing the seeds from season to season for their own requirement and sold the rest quantity to the other farmers & KVK under seed hub prog. This variety has now helped the farmers for obtaining a good yield with a good source of protein to enhance the nutritional status of the society.



Sr. Scientist & Head

