ACTION PLAN

(2024)

KRISHI VIGYAN KENDRA

RAYAGADA

ODISHA

Odisha University of Agriculture & Technology

Bhubaneswar -751003

Odisha

ACTION PLAN 2024

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

Address	Telephone		E mail
Krishi Vigyan Kendra AT/PO- Gunupur Dist.: Rayagada (Odisha) Pin – 765022	06857 -250255	06857 -250255	kvk.rayagada@ouat.ac.in kvkrayagada.ouat@gmail.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Directorate of Extension Education Odisha University of Agriculture and Technology Bhubaneswar – 751003 State-Odisha	0674- 2397362	0674-2397933	deanextensionouat@yahoo.com dee@ouat.ac.in deanextension_ouat@rediffmail.com

3.Training programme to be organized (April 2024 to March 2025)

a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Women in Agriculture	Value addition of Tamarind	1	2	ON	07.06.24 25.06.24	-	-	-	-	-	-	-	-	25
Women in Agriculture	Training on tuberose cultivation	1	1	ON	04.06.24 23.06.24	-	-	-	-	-	-	-	-	25
Cultivation of Crops	Improved production technology of Dhanicha	1	1	ON	04.06.2024	-	-	-	-	-	-	-	-	25
Women in Agriculture	Enterprise development through paddy straw mushroom cultivation	2	2	OFF OFF	20.06.2404.07.24	-	-	-	-	-	-	-	-	50
Weed Management	Integrated weed management in Maize	1	1	ON	27.06.2024	-	-	-	-	-	-	-	-	25
Plant	Some important	1	1	OFF	29.06.24	-	-	-	-	-	-	-	-	25

protection	pest and diseases and their management in different major field crops													
Weed Management	Integrated weed management in Cotton	1	1	ON	2.07.2024	-	-	-	-	-	-	-	-	25
Weed Management	Integrated weed management in Pigeon pea	1	1	OFF	3.07.2024	-	-	-	-	-	-	-	-	25
Women in Agriculture	Training on preparation of ragi malt	1	2	ON	24.07.24 12.08.24	-	-	-	-	-	-	-	-	25
Women in Agriculture	Use of women friendly farm equipment for drudgery reduction	1	1	OFF	07.07.24	-	-	-	-	-	-	-	-	25
Women in Agriculture	Training on rearing of improved poultry breed for income generation and nutrition security	1	1	OFF	18.07.24	-	-	-	-	-	-	-	-	25
Nutrient Management	Integrated Nutrient management in Groundnut	1	1	OFF	04.08.2024	-	-	-	-	-	-	-	-	25
Horticulture	Package of practice in cultivation of dragon fruit	1	1	ON	06.08.24	-	-	-	-	-	-	-	-	25
Plant protection	Integrated Pest and Disease Management in vegetables	1	1	ON	08.08.24	-	-	-	-	-	-	-	-	25
Women in Agriculture	Gender man streaming through SHG	1	1	ON	16.08.24	-	-	-	-	-	-	-	-	25
Plant protection	Integrated Pest and Disease Management in ragi	1	1	OFF	20.08.24	-	-	-	-	-	-	-	-	25
Plant protection	Integrated pest and disease management in cotton	1	1	OFF	04.09.24	-	-	-	-	-	-	-	-	25

Nutrient Management	Integrated Nutrient management in Pigeon pea	1	1	OFF	5.09.2024	-	-	-	-	-	-	-	-	25
Women in Agriculture	Store grain pest control through ITK	1	1	OFF	07.09.24	-	-	-	-	-	-	-	-	25
Plant protection	Integrated Pest and Disease Management in rice	1	1	OFF	18.09.24	-	-	-	-	-	-	-	-	25
Horticulture	Agro techniques for chilli cultivation	1	1	Off	25.09.24	-	-	-	-	-	-	-	-	25
Horticulture	Agro techniques for guava production	1	1	ON	03.10.24	-	-	-	-	-	-	-	-	25
Plant Protection	FAW management in maize	1	2	OFF	03.10.24	-	-	-	-	-	-	-	-	25
Cultivation of Crops	Utilization of residual moisture and nutrient management in Rice-Pulse paira cropping	1	1	OFF	0 8.10.24	-	-	-	-	-	-	-	-	25
Plant protection	Integrated Pest and Disease Management in pigeon pea	1	1	ON	24.10.24	-	-	-	-	-	-	-	-	25
Plant Protection	Integrated Pest and Disease Management in cotton	1	1	ON	29.10.24	-	-	-	-	-	-	-	-	25
Horticulture	Scientific method of cultivation in drumstick	1	1	ON	05.11.24	-	-	-	-	-	-	-	-	25
Nutrient Management	Integrated Nutrient management in Sunflower	1	1	OFF	06.11.2024	-	-	-	-	-	-	-	-	25
Women in Agriculture	Oyster mushroom cultivation by farm women for income generation	2	4	OFF ON OFF	13.11.24 14.11.24 16.12.24 17.12.24	-	-	-	-	-	-	-	-	50
Crop Diversificati	Crop Diversification in rainfed upland	1	1	ON	03.12.2024	-	-	-	-	-	-	-	-	25

on														
Horticulture	Agro techniques for chrysanthemum cultivation	1	1	ON	04.12.24	-	-	-	-	-	-	-	-	25
Plant protection	Pest and disease management in winter vegetables	1	1	ON	05.12.24	-	-	-	-	-	-	-	-	25
Nutrient Management	Integrated Nutrient management in Sesame	1	1	OFF	05.01.2025	-	-	-	-	-	-	-	-	25
Plant protection	Scientific bee keeping	1	1	ON	06.01.25	-	-	-	-	-	-	-	-	25
Horticulture	Agro techniques for Tomato cultivation	1	1	OFF	22.01.25	-	-	-	-	-	-	-	-	25
Nutrient Management	Integrated nutrient management in Green gram	1	1	OFF	02.02.2025	-	-	-	-	-	-	-	-	25
Horticulture	Package of practice in cultivation of marigold	1	1	OFF	05.02.25	-	-	-	-	-	-	-	-	25
Women in Agriculture	Training on scientific brooding management of chicks	1	1	ON	06.02.25 24.02.25	-	-	-	-	-	-	-	-	25
Plant Protection	Integrated pest management in pulses	1	2	OFF	10.02.25	-	-	-	-	-	-	-	-	25
Plant Protection	Integrated disease and pest management in oilseed crops	1	1	OFF	04.03.25	-	-	-	-	-	-	-	-	25
Horticulture	Package of practice in cultivation of okra	1	1	OFF	05.03.25	-	-	-	-	-	-	-	-	25
Production of Organic Input	Preparation of Bio Inputs of Natural farming	1	1	ON	06.03.25	-	-	-	-	-	-	-	-	25
Horticulture	Package of practice for	1	1	ON	12.03.25	-	-	-	-	-	-	-	-	25

	cultivation of coriander													

(a) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Women in Agriculture	Value addition of Tamarind	1	2	ON	09.03.2024	-	-	-	-	-	-	-	-	15
Production of Organic inputs	Production and use of organic manure for enhancement of crop yield	1	2	ON	24.07.2024	-	-	-	-	-	-	-	-	15
Women in Agriculture	Paddy straw mushroom cultivation by school dropouts	1	2	ON	17.08.2024	-	-	-	-	-	-	-	-	15
Crop production	Crop diversification in rain-fed uplands	1	2	ON	05.02.2024	-	-	-	-	-	-	-	-	15
Crop production	Use and importance of Rhizobium culture in pulse crops	1	3	ON	16.02.2024	-	-	-	-	-	-	-	-	15
Horticulture	Techniques of nursery raising of vegetables in shade net house	1	2	ON	02.09.2024	-	-	-	-	-	-	-	-	15
Horticulture	Plant propagation techniques	1	5	ON	09.09.2024	-	-	-	-	-	-	-	-	30
Plant Protection	Integrated pest and disease management in vegetables	2	2	ON	12.09.2024 13.09.2024	-	-	-	-	-	-	-	-	25
Plant Protection	Preparation and use of different types of traps to manage pests in field crops	2	2	OFF	04.10.2024 05.10.2024	-	-	-	-	-	-	-	-	25

Vermiculture	Preparation of Vermicomposting	1	5	ON	05.10.2024	-	-	-	-	-	-	-	-	30
Horticulture	Plant propagation techniques	2	2	ON	23.10. 2024	-	-	-	-	-	-	-	-	15
Horticulture	Importance of protective cultivation in green houses/ shed net	1	1	ON	12.11. 2024	-	-	-	-	-	-	-	-	15
Seed production	Seed production of sunflower	1	5	ON	15.12.2024	-	-	-	-	-	-	-	-	30
Horticulture	Techniques of High density planting and meadow orchard	1	5	ON	09.12.2024	-	-	-	-	-	-	-	-	30
Seed production	Seed production of rice	1	3	ON	15.12.2024	-	-	-	-	-	-	-	-	15
Women in Agriculture	Training on Mushroom spawn production	1	3	ON	05.12.2024 06.12.2024 07.12.2024	-	-	-	-	-	-	-	-	15
Integrated Farming	Integrated farming system for livelihood security	1	5	ON	16.12.2024	-	-	-	-	-	-	-	-	30
Crop production	Preparation and use of NADEP compost	1	2	ON	26.12.2024	-	-	-	-	-	-	-	-	15
Plant Protection	Importance of natural enemies for control of insects -pests in vegetables	2	2	OFF	07.01.2025	-	-	-	-	-	-	-	-	15
Plant Protection	Honey bee rearing	2	2	ON	14.02.2025 15.02.2025	-	-	-	-	-	-	-	-	50
Horticulture	High density planting in fruit crops	1	2	ON	19.02.2025	-	-	-	-	-	-	-	-	15
Horticulture	Importance and use of plant growth regulators	1	5	OFF	24.03.2025	-	-	-	-	-	-	-	-	30

(b) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Horticulture	Use of hi-tech horticultural technologies in banana	1	1	ON	31.08.24	-	-	-	-	-	-	-	-	15
Women in Agriculture	Livelihood security through secondary agriculture	1	2	ON	23.09.24	-	-	-	-	-	-	-	-	15
Plant Protection	Integrated pest and disease management in field crops	1	1	ON	27.09.24	-	-	-	-	-	-	-	-	15
Productivity enhancement in field crops	Seed production in Pigeon pea	1	2	ON	29.09.24	-	-	-	-	-	-	-	-	15
Plant Protection	Safe use of pesticide	1	1	ON	04.11.24	-	-	-	-	-	-	-	-	15
Production and use of organic inputs	Preparation of Bio inputs of Natural farming	1	2	ON	5.01.25	-	-	-	-	-	-	-	-	15
Horticulture	Updating IS personnel knowledge on application of precession farming in cashew cultivation	1	3	ON	07.01.25	-	-	-	-	-	-	-	-	15

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	-	-	-	-	-	-	-	-	-	-	-	75
Resource Conservation Technologies													
Cropping Systems	1	-	-	-	-	-	-	-	-	-	-	-	25
Crop Diversification	1	-	-	-	-	-	-	-	-	-	-	-	25
Integrated Farming													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Water management													
Seed production													
Nursery management													
Integrated Crop Management	4	-	-	-	-	-	-	-	-	-	-	-	100
Fodder production													
Production of organic inputs	1	-	-	-	-	-	-	-	-	-	-	-	25
Others, (cultivation of crops)	2	-	-	-	-	-	-	-	-	-	-	-	50
TOTAL	12	-	-	-	-	-	-	-	-	-	-	-	300
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment	6	-	-	-	-	-	-	-	-	-	-	-	150
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables	1	-	-	-	-	-	-	-	-	-	-	-	25
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	2	-	-	-	-	-	-	-	-	-	-	-	50
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL	9	-	-	-	-	-	-	-	-	-	-	-	225
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	1	-	-	-	-	-	-	-	-	-	-	-	25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	1	-	-	-	-	-	-	-	-	-	-	-	25
Storage loss minimization techniques	1	-	-	-	-	-	-	-	-	-	-	-	25
Enterprise development	2	-	-	-	-	-	-	-	-	-	-	-	50
Value addition	1	-	-	-	-	-	-	-	-	-	-	-	25
Income generation activities for empowerment of rural Women	4	-	-	-	-	-	-	-	-	-	-	-	100
Location specific drudgery reduction technologies	1	-	-	-	-	-	-	-	-	-	-	-	25
Rural Crafts													
Capacity building	1	-	-	-	-	-	-	-	-	-	-	-	25
Women and child care													
Others, if any ( )													
TOTAL	12	-	-	-	-	-	-	-	-	-	-	-	300
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	2	-	-	-	-	-	-	-	-	-	-	-	50
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any (Integrated Pest and Disease Management)	8	-	-	-	-	-	-	-	-	-	-	-	200
Scientific bee keeping	2	-	-	-	-	-	-	-	-	-	-	-	50
TOTAL	12	-	-	-	-	-	-	-	-	-	-	-	300
VIII. Fisheries													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**45**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**-**	**1125**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	-	-	-	-	-	-	-	-	-	-	-	60
Bee-keeping	2	-	-	-	-	-	-	-	-	-	-	-	60
Integrated farming	1	-	-	-	-	-	-	-	-	-	-	-	30
Seed production	2	-	-	-	-	-	-	-	-	-	-	-	45
Production of organic inputs	1	-	-	-	-	-	-	-	-	-	-	-	15
Planting material production	3	-	-	-	-	-	-	-	-	-	-	-	60
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	-	-	-	-	-	-	-	-	-	-	-	15
Commercial fruit production	3	-	-	-	-	-	-	-	-	-	-	-	60
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	-	-	-	-	-	-	-	-	-	-	-	15
Training and pruning of orchards													
Value addition	1	-	-	-	-	-	-	-	-	-	-	-	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
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)													
Crop diversification	1	-	-	-	-	-	-	-	-	-	-	-	15
Crop production	1	-	-	-	-	-	-	-	-	-	-	-	15
IPDM in vegetable	3	-	-	-	-	-	-	-	-	-	-	-	75
Vermicompost	2	-	-	-	-	-	-	-	-	-	-	-	45
TOTAL	24	-	-	-	-	-	-	-	-	-	-	-	525

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	-	-	-	-	-	-	-	-	-	-	-	10
Integrated Pest Management	2	-	-	-	-	-	-	-	-	-	-	-	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1	-	-	-	-	-	-	-	-	-	-	-	10
Protected cultivation technology													
Formation and Management of SHGs													

Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	-	-	-	-	-	-	-	-	-	-	-	10
Gender mainstreaming through SHGs													
Crop intensification													
Others if any (Hi-tech horticulture)	1	-	-	-	-	-	-	-	-	-	-	-	10
Seed production in pigeon pea	1	-	-	-	-	-	-	-	-	-	-	-	10
Xeriscaping, vertical gardens and new concepts in landscaping	1	-	-	-	-	-	-	-	-	-	-	-	10
TOTAL	8	-	-	-	-	-	-	-	-	-	-	-	80

b) Frontline demonstration to be conducted*

FLD- 1: Demonstration on weed management in Maize. (Code-23FAG09 (K))

Crop: Maize
Thrust Area: Weed Management
Thematic Area: Crop Production
Season: Kharif, 2024
Farming Situation: Rainfed-upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	2 ha	Post emergence application of Tembotrione 100g/ha + Atrazine 500g/ha at 20 DAS+ one hand weeding at 40DAS	Weed counts/m^2, yield, economics	Atrazine and Tembotrine	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on weed management in Maize	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Integrated weed management in Maize	01	F/FW	01	Off	-	-	-	-	-	-	-	-	25

FLD- 2: Demonstration on weed management in Finger millet (23FAG29(K))
Crop: Ragi
Thrust Area: Weed Management
Thematic Area: Crop Production
Season: Kharif, 2024
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Ragi	2 ha	Pre-emergence application of (Bensulfuron methyl 0.6%+ pretilachlor 6%) at 0.66kg/ha at 2 DAT fb 2,4-D ethyl ester 0.50 kg/ha at 30 DAT	Weed counts/m^2, No. of ear heads/ hill, no. of grains/finger, yield, Economics	Bensulfuron methyl 0.6%+ pretilachlor 6%, 2,4-D ethyl ester 0.50 kg/ha	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on weed management in Finger millet	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Weed management in Finger millet	01	F/FW	01	Off	-	-	-	-	-	-	-	-	25

FLD- 3: Demonstration on INM in Blackgram. (Code-23FAG25(R))

Crop: Blackgram
Thrust Area: Integrated Nutrient management
Thematic Area: Crop Production
Season: Rabi, 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
4	Blackgram	2 ha	Use of soil test based fertilizers application+ organic integration (FYM @ 5t/ha or vermicompost 2.5t/ha)+ seed inoculation of Rhizobium @1.25kg/25 kg of seed.	No. of pods/plant, grain yield, economics	FYM @ 5t/ha or vermicompost 2.5t/ha)+ seed inoculation of Rhizobium @1.25kg/25 kg of seed.	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on INM in Blackgram	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Integrated nutrient and weed management in Blackgram	01	F/FW	01	Off	-	-	-	-	-	-	-	-	25

FLD- 4: Demonstration on Integrated Nutrient Management in Cabbage. (Code- 24FSS08(R))

Crop: Cabbage
Thrust Area: Integrated Nutrient Management
Thematic Area: Vegetable cultivation
Season: Rabi, 2024-25
Farming Situation: Rainfed-Upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Cabbage	2ha	STBF+ consortia biofertilizer (Azotobacter, Azospirillum and PSB @ 12 kg/ha, pre-limed (5%), 300kg vermicompost (1:25) incubated for 7 days	No. of fingers/ Panicle, Effective tillers/Hill Grain yield	Consortia biofertilizer and vermicompost	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on Integrated Nutrient Management in Cabbage	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Demonstration on Integrated Nutrient Management in Cabbage	01	F/FW	01	Off	-	-	-	-	-	-	-	-	25

FLD- 5: Demonstration of bending technology in guava for increasing productivity. Code-24FHO05 (K)

Crop: Guava
Thrust Area: Yield enhancement
Thematic Area: Fruit cultivation
Season: Kharif, 2024
Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Guava	1 ha.	In the month of September, branch bending to done by retaining 10-15 pairs of leaves at apex and removing all the leaves, flowers and developing fruits manually. Branches were bent down by applying pressure gradually from proximal to distal end of branch. They are to be kept at bent position by tying the tip of branches to the wooden pegs fixed on the ground with the help of rope till flushing completes, for 40-45 days.	% of fruit set, No. of fruits/plant	Wooden peg and nylon wire	-	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of bending technology in guava for increasing	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20

	productivity													
Training	Agro-techniques in guava cultivation	01	F/FW	01	-	-	-	-	-	-	-	-	-	25

FLD- 6: Demonstration on high yielding tomato variety Kalinga Tomato 121. (Code-24FHO03(R))

Crop: Tomato
Thrust Area: Varietal replacement
Thematic Area: Vegetable cultivation
Season: Rabi, 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tomato	1 ha.	Demonstration of high yielding tomato variety Kalinga Tomato 121	No. of fruits/plant, Wt. of the fruit (gm), Yield(q/ha)	Tomato Seedlings	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of high yielding tomato variety Kalinga Tomato 121	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Agro-techniques for tomato cultivation	01	F/FW	01	-	-	-	-	-	-	-	-	-	25

FLD- 7: Demonstration on Chrysanthemum variety Bidhan Jayanti in Rabi Season. (Code-24FHO17 (R))

Crop: Chrysanthemum
Thrust Area: Varietal replacement
Thematic Area: Flower cultivation
Season: Rabi 2024- 25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chrysanthemum	0.4 ha	Demonstration on cultivation of Chrysanthemum variety Bidhan Jayanti	No. of flowers/plant, flower yield/plant(g), Yield(q/ha)	Seedlings	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on Chrysanthemum variety Bidhan Jayanti in Rabi Season	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Agro-techniques in Chrysanthemum cultivation	01	F/FW	01	-	-	-	-	-	-	-	-	-	25

FLD- 8: Demonstration of growth promoter for improving fruit retention, yield, and quality of Mango. Code-24FHO07 (R)

Crop: Mango
Thrust Area: Yield enhancement
Thematic Area: Orchard management
Season: Rabi 2024- 25
Farming Situation: Rainfed up land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Mango	2 ha	Application of triacontanol (3 ppm) at panicle initiation, pea, and marble stage of fruit growth	% of fruit set, No. of fruits/panicle, Yield(q/ha)	Triacontanol	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of growth promoter for improving fruit retention, yield, and quality of Mango	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD- 9: Demonstration on integrated management of thrips and mite in Chilli. **Code :** 24FPP22(K/R)
Crop: Chilli
Thrust Area: Integrated Pest Management
Thematic Area: Plant protection
Season: Kharif-2024
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1.	Chilli	1 ha	Soil application of Neem cake @ 2.5 q/ha, installation of blue sticky traps @ 50 nos/ha at 25 DAT, alternate application of Difenthiuron 50WP @ 625 g/ha and Spiromesifen 240 SC @ 500 ml/ha at 10 days interval starting from 30 DAT.	Mean population of mites &thrips/ 3 leaves, Infested plants/10 m^2,	Neem cake, Blue sticky trap, Difenthiuron 50WP, Spiromesifen 240 SC	115600	115000	0	0	6	0	4	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on integrated management of thrips and mite in Chilli	1	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Integrated management of thrips and mite in Chilli	01	F&FW	1 day	Off			30	5	7	2	42	8	50

FLD- 10: Demonstration on fruit borer management in okra. (Code-24FPP21(K/R))

Crop: Okra

Thrust Area: Pest management
Thematic Area: Plant protection
Season: Kharif-2024
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Okra	2 ha	Application of Chlorantraniliprole 18.5% SC @150ml/ha twice at 30and 45 DAS	Affected plant/ sq.m., pest infestation (%) and farmers' feedback	Chlorantraniliprole 18.5% SC	-	-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	**Field day on fruit borer management in okra**	1	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	**Fruit borer management in okra**	1	F&FW	1 day	Off	3	1	10	5	4	2	17	8	25

FLD-11: Demonstration on Anthracnose disease management in Mango. (Code- 23FPP32(R)*)

Crop: Mango
Thrust Area: Disease Management
Thematic Area: Plant protection
Season: Rabi 2024-25
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1.	Mango	1.0 ha	Hexaconazole 5% SC is highly systemic fungicide having protective and curative action and Tebuconazole 50%+ Trifloxystrobin 25% WG) is systemic broad-spectrum fungicide with protective and curative action which offers not only a disease control but also improves quality and yield of crop.	No. of infected fruits (%), PDI	Hexaconazole 5% SC, Tebuconazole 50%+ Trifloxystrobin 25% WG	-	-	0	0	6	0	4	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Anthracnose disease management in Mango	1	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Anthracnose disease management in Mango	1	F&FW	1 day	Off	2	2	10	6	3	2	15	10	25

FLD- 12: Demonstration on collar rot management in groundnut. Code-23FPP34(R)
Crop: Groundnut
Thrust Area: Integrated Disease Management
Thematic Area: Plant protection
Season: Rabi 2024-25
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Groundnut	2.0 ha	Seed treatment with Carboxin 37.5% + Thiram 37.5 % (Vitavax power @ 2.5gm /kg of seeds, alternative spraying of Chlorothlonil 75%WP @ 1.5gm/lt. and Carbenzim 2gm./lt at 15 days interval.	Percentage of disease incidence, plant damage /sq. m.	Carboxin, Thiram, Chlorothlonil, Carbenzim	61400	58600	0	0	7	1	2	0	7	3	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Integrated Disease Management in groundnut	1	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Integrated Disease Management in groundnut	1	F&FW	1 day	Off	2	2	10	6	3	2	16	9	25

FLD- 13: Demonstration of tuberose cultivation for income generation of farm women. (Code-24FHO16 (K))

Crop: Tuberose
Thrust Area: Income generation activity
Thematic Area: Women empowerment
Season: Kharif, 2024
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Tuberose	0.02ha	Cultivation of variety Prajwala with spacing 30cm x 20 cm, NPK:200:200:200 kg/ha.	Yield(q/ha), No of flowers/plant, Net Income, BC ratio	Tuberose bulbs and vermicompost	700	0	-	-	-	10	-	-	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of tuberose cultivation for income generation of farm women	01	All stakeholders	01	Off	-	-	-	-	-	-	-	-	20
Training	Tuberose cultivation for income generation of farm women.	1	F&FW	1 day	Off	-	-	-	25	-	2	-	25	25

FLD 14: Demonstration on Ragi Malt powder for nutritional Security. (Code- 23FHS23(R)*)
Crop: Ragi
Thrust Area: Value addition
Thematic Area: Nutritional security of farm family
Season: Rabi, 2024-25
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	10	Ragi Malt powder -Soak ragi & Green gram separately in water (12 hours), sprout ragi (24hrs) & Green gram (12hrs), dry the sprouted grains, remove the rootlets, roast the grains, grind to the fine powder, keep in an airtight bottle.	Shelf life(days), Sensory Evaluation (0–9-point hedonic scale), Nutritional profile/100g,Net Return(Rs.), B:C ratio	Ragi, greengram	60	25	-	-	-	10	-	-	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on Ragi Malt powder for nutritional Security	1	All stakehold	1	Off	-	-	-	-	-	-	-	-	20

			ers											
Training	Training on Ragi Malt powder for nutritional Security	1	FW	1 day	On	-	-	-	21	-	4	-	25	25

FLD 15: Demonstration on brooding management in chicks (Code-23FAS09)

Crop: Backyard poultry

Thrust Area: Income generation
Thematic Area: Backyard poultry rearing by tribal women
Season: Rabi 2024-25
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Backyard poultry	100 (1000 chicks)	Artificial brooding of chicks, brooding management for 21 days with floor space of 0.3 sq. fit with help of chick guards, artificial heat at @1-3 watt per chick, feeder and drinkers @ 1 each for 50 chicks. Vaccination	Chick mortality rate during brooding, body wt. at 21 days, survivality of birds till start of laying.	21 days old chicks, drinker, feeder, feed, and package of practices		-	-	-	-	10	-	-	-	10	10

			against RD on 7th, 28th day & IBD on 14th day. Use of electrolytes, preventive antibiotics during brooding, use of gas brooder & hover.													

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration on brooding management in chicks	1	All stakeholders	1	Off	-	-	-	-	-	-	-	-	20
Training	Training prog. brooding management in chicks	1	F&FW	1 day	Off	-	-	-	25	-	-	-	25	25

FLD 16 : Demonstration of preparation of value added product from Tamarind . (Code-23FHS10(K/R)*)

Crop: Tamarind
Thrust Area: Value addition
Thematic Area: Post harvest management
Season: Rabi, 2024-25
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tamarind	10 nos.	Preparation of tamarind puree, tamarind bluck and tamarind candy. Preparation of Tamarind products by addition of sugar, salt and spices.	Shelf life (days), Sensory Evaluation (0–9-point hedonic scale), Net Return(Rs.), B:C ratio	Tamarind, sugar, salt, spices and preservatives	Rs 120 per kg	Rs.30 per kg	-	-	-	10	-	-	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Demonstration of preparation of value added product from Tamarind	1	All stakeholders	1	Off	-	-	-	-	-	-	-	-	20
Training	Value addition of Tamarind	2	F&FW	1 day	off	-	-	-	50	-	-	-	50	50

TSP:

FLD- 1: Demonstration on Dhaincha for improvement of soil fertility.

Crop: Dhaincha

Thrust Area: Soil Health Management

Thematic Area: Crop production

Season: Kharif, 2024

Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Dhaincha	6.0	Growing of *Dhaincha* before 45 DAS and ploughing of standing *Dhaincha* at saturated soil moisture at 45 DAS and transplanting of paddy with NPK 60:40:40 kg/ha	Plant height (cm.)	Seeds	-	-	-	-	-	-	-	-	-	-	15

FLD- 2: Demonstration on medium duration HYV of pigeon pea in rain-fed uplands
Crop: Pigeon pea
Thrust Area: Varietal evaluation
Thematic Area: Crop Production
Season: Kharif-2024
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Pigeon pea	43.0	Cultivation of pigeon pea var. LRG-52 is a high yielding having150-170 days duration with yield of 15-18 q/ha, Moderately resistant to wilt.	Plant height (cm.), no. of pods/plant, Yield (q/ha.)	Seeds	-	-	-	-	-	-	-	-	-	-	90

FLD- 3: Demonstration on Hybrid Maize variety Kalinga Raj
Crop: Maize
Thrust Area: Yield enhancement
Thematic Area: Crop Production
Season: Kharif-2024
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Maize	5.0	Cultivation of Medium duration hybrid Maize variety Kalinga Raj, Seed-	Plant height (cm), yield (q/ha)	Seeds	-		-								20

			20kg/ha., spacing-60cmX20cm													

FLD- 4: Demonstration on Greengram variety Virat

Crop: Green gram

Thrust Area: Yield enhancement

Thematic Area: Crop Production

Season: Rabi, 2024-25

Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Greengram	5.0	Duration 60-65 days, average yield - 13-15 q/ha, resistant to MYMV, PM and CLS	Plant height (cm.), no. of pods/plant, yield (q/ha.)	Seeds	-	-	-	-	-	-	-	-	-	-	25

FLD- 5: Demonstration on coriander cultivation for higher return

Crop: Coriander

Thrust Area: Income generation

Thematic Area: High value vegetable cultivation

Season: Rabi 2024-25

Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Coriander	0.02ha	Coriander var. Swati / Panth Haritama. Line sowing of	Yield of green leaves obtained (kg/m 2), No. of	Seeds											10

			treated coriander seeds with Bavistin @ 1gm/100gm with average spacing of 10 cm plant to plant & 30 cm from row to row.	cuttings for green leaf , Yield (q/ha) & B:C Ratio												

FLD- 6: Demonstration of Pinching method in Marigold

Crop: Marigold
Thrust Area: Yield enhancement
Thematic Area: Flower cultivation
Season: Rabi 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Marigold	0.02ha	Var. Arka Abhi-F1 hybrid of African marigold, radiant lemon yellow color, large flowers 7-8 cm, good shelf life 6-8 days, high yield 10-11 t/acre	No. of flowers/plant, flower yield/plant(g), Yield(q/ha), & B:C Ratio	Seedlings	-	-	-	-	-	-	-	-	-	-	20

FLD- 7: Demonstration of Okra var. Kashi Chaman**.**
Crop: Okra
Thrust Area: Varietal introduction
Thematic Area: Vegetable cultivation
Season: Rabi 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Okra	0.02ha	Medium tall plants, dark green fruits 11-14 cm long, First flowering on 41 days after sowing, resistant to YVMV and OLECV, yield 150 - 160 q/ha in 45 to 100 days.	Fruit length(cm), Fruit of pods/plant, Yield(q/ha), B:C Ratio	Seeds	-	-	-	-	-	-	-	-	-	-	20

FLD- 8: Demonstration on Drumstick var. ODC-3
Crop: Drumstick
Thrust Area: Yield enhancement
Thematic Area: Vegetable cultivation
Season: Rabi 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Drumstick	0.4 ha	Var. ODC-3 comes to flowering within 3-4 months of sowing and comes to harvest in 6 months. Yields 25 -30 tons per acre per year. The average yield of the variety is 300 fruits / tree.	Fruit length(cm), Fruit /plant, Yield(q/ha), B:C Ratio	Seedlings	-	-	-	-	-	-	-	-	-	-	20

FLD- 9: Demonstration on Fall armyworm management in maize.

Crop: Maize

Thrust Area: Integrated Pest Management

Thematic Area: Plant Protection

Season: Kharif -2024

Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Maize	2.0	Installation of pheromone trap, Spray of Azadirachtin 1500 ppm @ 5ml/lit at 10 days after planting, *Bacillus thuringiensis (Bt)* (2.5kg/ha) & release of *Trichogramma chilonis* @ 1.0 lakh/ha and need based application of recommended insecticides	No. of infested plants/m^2, No. of damaged cobs/m^2, Cost of Intervention, Yield, ICBR and farmers' feedback	Need based plant protection measures	-	-	-	-	-	-	-	-	-	-	20

FLD- 10: Demonstration on Scientific beekeeping

Crop: Honeybee

Thrust Area: Income generation activity

Thematic Area: Plant Protection

Season: Round the year 2024-25

Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Honeybee	10 units	Regular and periodic bottom board cleaning, maintaining healthy and populous colony, regular and periodic dearth feeding, removal of old combs and allowing new comb construction, need based brood comb alteration and need based colony union or division are recommended for scientific beekeeping with *Apisceranaindica* .	No. of frame in super chamber filled with honey/yr, No. of new colony formed/yr	Honey bee box, colony and accessories	-	-	-	-	-	-	-	-	-	-	10

FLD- 11: Demonstration on YMV disease management in green gram.

Crop: Green gram

Thrust Area: Integrated Disease Management

Thematic Area: Plant Protection

Season: Rabi 2024-25

Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Green gram	2.0	Seed treatment with Imidacloprid 600 FS @ 5 ml/ kg, placement of yellow sticky trap @ 50/ha, spraying of Neem oil 0.15% @ 2 ml/l at 30 DAS and need based spraying of Diafenthiuron 50 WP @ 1 gm /l at 45 DAS	YMV infected plant %, No. of sucking pests/yellow sticky trap, Yield and ICBR	Need based plant protection chemicals	-	-	-	-	-	-	-	-	-	-	20

FLD- 12: Demonstration on fruit fly management in mango.

Crop: Mango
Thrust Area: Integrated Pest Management
Thematic Area: Plant Protection
Season: Summer 2024-25
Farming Situation: Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Mango	2.0	Ploughing the top soil to a depth of 10 cm, destroying all fallen fruits at weekly intervals, installation of 15 nos. of Methyl Eugenol Plywood traps/ha during fruit development stage. Alternate spraying of Deltamethrin 2.8 EC @ 0.5 ml/l &Azadirachtin (0.3%) 2 ml/l in 10 days interval before three weeks of harvest	No. of fallen fruits/plant, No. of infested fruits (%), Cost of intervention, Yield, ICBR and farmers' feedback	Need based Plant protection measure	-	-	-	-	-	-	-	-	-	-	20

FLD-13: Demonstration of handy cycle weeder

Crop: Handy cycle weeder

Thrust Area: Drudgery reduction

Thematic Area: Women in agriculture

Season: Rabi, 2024-25

Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Handy cycle weeder	-	It can be used for all the crops like groundnut, sunflower, maize and vegetables with the spacing of 30-40 cm between the lines and 15 -20 cm within the plants, The weeder can penetrate the soil to a depth of 2-2.5 cm. It can be used for weeding 1 to 1.5 acre in a day and can be either operated by a single person. It is ideal to use this device after 15-20 days of planting the crops in the main field.	Weeding efficiency, heartbeat, pulse rate	Handy cycle weeder	-	-	-	-	2	8	-	-	2	8	10

FLD- 14: Demonstration of nutritional garden for Improving Nutritional Security of farm family

Crop: Fruits and vegetables
Thrust Area: Nutritional garden
Thematic Area: Nutritional security for farm families
Season: Round the year, 2024-25
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Fruits and vegetables	0.02ha	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits as per consumers preference 1. Trellis structure with PP rope for raising cucurbits. 2. Protray for raising seedlings in small quantity 3. polypit for vermi composting, 2.Growing vegetables round the year covering leafy vegetables, sola , Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants , one Lemon, one drumstick and two Banana and floriculture in bunds.	Availability of vegetables (Kg) Consumption of Vegetables/head/ day	Seeds, seedlings, saplings and vermicom post pit	-	-	-	-	-	10	-	-	-	10	10

FLD- 15: Demonstration on marigold cultivation for higher income.

Crop:
Thrust Area: Income generation activity for farm women
Thematic Area: Women in Agriculture
Season: Rabi 2024-25
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Marigold	0.4	Marigold variety BM-2 produces 128nos attractive orange colour compact flowers/plant Spacing 45c.m×35c.m,Fertilizer dose N:P:K(100:200:200) kg/ha	Nos. of flowers/ plant , yield/ha, B C R	Seedlings	-	-	-	-	-	10	-	-	-	10	10

FLD- 16:

Crop: Demonstration on Poultry in backyard
Thrust Area: Income generating activity
Thematic Area: Women in agriculture
Season: Round the year, 2024-25
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Poultry	800 nos. chicks	Aseel/ RIR/ Vejaguda	Body weight gain and egg production / annum	21days old chicks	-	-	-	-	-	40	-	-	-	40	40

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

Name of the Crop / Enterprise	Variety / Type	Period From…… … to …….	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	MTU 1156	June 2024 to Nov 2024	2.0	FS	80.0	240000	312000	72000
Rice	MTU 1153	June 2024 to Nov 2024	1.0	FS	40.0	120000	156000	36000
Ragi	Arjuna	June 2024 to Nov 2024	0.5	FS	6.5	31500	44850	13350
Pigeon pea	LRG-52	June 2024 to Jan 2025	1.0	FS	10.0	72000	147500	75500
Green gram	Virat	Feb 2025 to April 2025	3.0	FS	20.0	180000	294000	114000
Dhanicha	-	June 2024 to Nov 2024	1.0	TL	5.0	25000	39000	14000
Chilli	Utkal Ava/ VCH-01/ Arka Meghana/ Arka Sanvi	Round the year		Planting material	25000	9500	62500	53000
Brinjal	Utkal Keshari/ Akshita	Round the year		Planting material	25000	7000	62500	55500
Marigold	Ceracola	Jun 2024 to Jan 2025		Planting material	50000	12000	100000	88000
Tomato	Arka Samrat, Arka Rakshak/ Saaho	Round the year		Planting material	25000	10000	62500	52500
Cauliflower	Barkha, Megha, Snow ball	Oct 2024 to Dec 2024		Planting material	10000	4000	25000	21000
Cabbage	Pusa Drum Head	Oct 2024 to Dec 2024		Planting material	10000	3500	25000	21500
Knol-khol	Early White Vienna, Large Green	Oct 2024 to Dec 2024		Planting material	10000	3000	25000	22000

Onion	Agri- found Light Red, N-53	Oct 2024 to Jan 2025		Planting material	40000	3000	40000	37000
Papaya	Red Lady, Coorg Honeydew	Round the year		Planting material	2500	22500	62500	40000
Drumstick	ODC-3	Round the year		Planting material	2500	10500	37500	27000
Vermi compost	-	Round the year		-	40.0q	15000	80000	65000
Earth worms	*Eisenia fetida*	Round the year		-	30.0 kg	-	15000	15000
Mushroom spawn	Paddy straw and oyster	Round the year		-	5000 no. bottles	80000	125000	45000

b) Village Seed Production Programme

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

d) Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	30	836	344	1180	75	14	6	20	850	350	1200
2.	Kisan Mela	1	-	-	-	-	-	-	-	-	-	Mass
3.	Kisan Ghosthi	6	95	30	125	80	2	-	2	120	40	160
4.	Exhibition	6	-	-	-	-	-	-	-	-	-	Mass
5.	Film Show	24	450	300	750	75	10	4	14	600	350	950
6.	Method Demonstrations	16	40	20	60	72	3	2	5	43	22	65
7.	Farmers Seminar	1	38	12	50	75	3	1	4	41	13	54
8.	Workshop	2	70	30	100	70	6	2	8	76	32	108
9.	Group meetings	24	225	100	325	85	7	5	12	232	105	337
10.	Lectures delivered as resource persons	As per requirement										
11.	Advisory Services	50	27895	7630	35525	70	105	45	150	28000	7675	35675
12.	Scientific visit to farmers field	300	-	-	-	-	-	-	-	-	-	Mass
13.	Farmers visit to KVK	-	2645	1280	3925	70	55	20	75	2700	1300	4000
14.	Diagnostic visits	280	-	-	-	-	-	-	-	-	-	Mass
15.	Exposure visits	6	155	105	260	78	5	3	8	160	108	268
16.	Ex-trainees Sammelan	4	150	75	225	75	3	2	5	153	77	230
17.	Soil health Camp	2	85	30	115	70	2	2	4	87	32	119
18.	Animal Health Camp	2	150	50	200	65	20	4	24	170	54	224
19.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
20.	Soil test campaigns	-	-	-	-	-	-	-	-	-	-	-
21.	Farm Science Club Conveners meet	2	35	15	50	80	2	-	2	37	15	52
22.	Self Help Group Conveners meetings	2	-	200	200	82	4	3	7	5	205	210
23.	MahilaMandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-

24.	Celebration of important days (specify)	8	400	200	600	75	12	4	16	412	204	616
25.	Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
26.	Swatchta Hi Sewa	10	360	180	540	70	6	4	10	366	184	550
27.	Mahila Kisan Diwas	1	-	70	70	75	2	1	3	6	68	74
28.	Any Other (Specify)	12	300	200	500	75	14	4	18	314	204	518
	Total	**789**	**33929**	**10871**	**44800**	**1417**	**275**	**112**	**387**	**34372**	**11038**	**45410**

e) Revolving Fund (in Rs.)

Opening balance of 2023-2024 (As on 01.04.2023)	Amount proposed to be invested during 2024-25	Expected Return
287700	850000	1250900

f) Expected fund from other sources and its proposed utilization

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

9. On-farm trials to be conducted*

OFT-1

i. **Season:** Kharif, 2024
ii. **Title of the OFT:** Assessment of medium duration rice varieties under rainfed condition. (Code-23OAG08(K))
iii. **Thematic Area:** Varietal evaluation
iv. **Problem diagnosed:** Low yield due to blast, sheath blight, leaf folder and sucking pest
v. **Important Cause:** Cultivation of existing variety
vi. **Production system:** Rice – pulse
vii. **Micro farming system:** Rainfed medium land
viii. **Technology for Testing:** Assessment on rice varieties in rainfed medium land
ix. **Existing Practice:** Rice var. MTU-1001
x. **Hypothesis:** To increase yield and suitable for medium land
xi. **Objective(s):** To assess the performance of medium duration rice variety Kalinga Dhan 1203
xii. **Treatments:**
i. Farmers Practice (FP): Rice var. MTU-1001
ii. Technology option-I (TO-I): Rice var. Kalinga Dhan 1205
iii. Technology option-II (TO-II): Rice var. Kalinga Dhan 1203
xiii. **Critical Inputs:** Seeds
xiv. **Unit Size:** 1.4 ha
xv. **No of Replications:** 7
xvi. **Unit Cost:** 600.00
xvii. **Total Cost:** 4200.00
xviii. **Monitoring Indicator:** Plant height(PH), ear bearing tillers (EBT)/plant, grains/panicle, 1000 grain weight
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** OUAT, SLREC 2022-23

OFT-2

i.	**Season**	**:**	Rabi, 2024-25
ii.	**Title of the OFT**	**:**	Assessment of high yielding varieties of sesame. Code: 23OAG22(R)
iii.	**Thematic Area:**	**:**	Varietal Evaluation
iv.	**Problem diagnosed**	**:**	Low yield of Sesame due to Traditional/ Old Varietal

v.	**Important Cause**	**:**	Cultivation of Traditional Variety
vi.	**Production system**	**:**	Rice – vegetable - sesame
vii.	**Micro farming system**	**:**	Irrigated up land
viii.	**Technology for Testing**	**:**	Assessment of high yielding varieties of sesame
ix.	**Existing Practice**	**:**	Sesame var. Uma
x.	**Hypothesis**	**:**	To increase yield and suitable for irrigated Upland
xi.	**Objective(s):**	**:**	To assess the performance of high yielding varieties of sesame
xii.	**Treatments**	**:**	
	Farmers Practice (FP)	**:**	Sesame Var. Uma
	Technology option-I (TO-I)	**:**	Sesame Var. Subhra
	Technology option-II (TO-II)	**:**	Sesame Var. Smarak
	Technology option-II (TO-III)		Sesame Var. Kalinga sesame 3-1
xiii.	**Critical Inputs**	**:**	Seeds
xiv.	**Unit Size**	**:**	2 ha
xv.	**No of Replications**	**:**	7
xvi.	**Unit Cost**	**:**	1000
xvii.	**Total Cost**	**:**	7000
viii.	**Monitoring Indicator**	**:**	Plant/m^2, No of capsule/plant, No of seeds/capsule, test weight, yield, Economics
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	*OUAT,2021*

OFT-3

i.	**Season**	**:**	Kharif, 2024
ii.	**Title of the OFT**	**:**	Assessment of different Chilli Varieties. Code-24OHO06(K)
iii.	**Thematic Area:**	**:**	Varietal evaluation
iv.	**Problem diagnosed**	**:**	Low yield and income due existing variety
v.	**Important Cause**	**:**	Cultivation of Traditional Variety
vi.	**Production system**	**:**	Vegetable - vegetable
vii.	**Micro farming system**	**:**	Rainfed medium land
viii.	**Technology for Testing**	**:**	Assessment of different Chilli Varieties
ix.	**Existing Practice**	**:**	Variety-Bangaram, Talwar
x.	**Hypothesis**	**:**	To enhance the economy and production
xi.	**Objective(s):**	**:**	To assess the performance of high yielding varieties of chilli.
xii.	**Treatments**	**:**	
	Farmers Practice (FP)	**:**	Variety :Bangaram
	Technology option-I (TO-I)	**:**	Variety :Arka Meghna, F1 hybrid, duration 140-150 days, tolerant to powdery mildew and viruses, green chilli yield- 257 q/ha

	Technology option-II (TO-II)	**:**	F1 hybrid, duration-210 days, resistant to leaf curl virus, suitable for green and dry chilly, green chilli yield potential- 210 q/ha
iii.	**Technology option-II (TO-III)**		
iv.	**Critical Inputs**	**:**	Seedlings of two different varieties
xv.	**Unit Size**	**:**	0.4 ha
xvi.	**No. of Replications**	**:**	7
vii.	**Unit Cost**	**:**	5357.14
iii.	**Total Cost**	**:**	37500.00
ix.	**Monitoring Indicator**	**:**	Plant height (cm), No. of branches/plant, Fruit length(cm), Fruit girth(cm) No. of fruits/plant, PDI (%) ,Yield(q/ha)
xx.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	IIHR, Bangaluru, 2021

OFT-4

i.	**Season**	**:**	Rabi 2024-25
ii.	**Title of the OFT**	**:**	Assessment of onion varieties in rabi. Code- 24OHO09(R)
iii.	**Thematic Area:**	**:**	Income generation
iv.	**Problem diagnosed**	**:**	Low income from existing variety
v.	**Important Cause**	**:**	Minimal income from improper cultivation methods.
vi.	**Production system**	**:**	Vegetable - Vegetable
vii.	**Micro farming system**	**:**	Rainfed medium land
iii.	**Technology for Testing**	**:**	Assessment of onion varieties in rabi.
ix.	**Existing Practice**	**:**	Variety: Nasik Red N-53
x.	**Hypothesis**	**:**	To enhance the economy and production
xi.	**Objective(s):**	**:**	To assess the performance of different onion varieties for maximum yield.
xii.	**Treatments**	**:**	
	Farmers Practice (FP)	**:**	Variety: Nasik Red N-53
	Technology option-I (TO-I)	**:**	**TO1- Bhima Shakti-** onions are red and have attractive bulbs that turn red immediately after harvest. It matures in 125–135 days after transplanting, it can yield 32–36 tons per hectare and can be stored for 5–6 months
	Technology option-II (TO-II)	**:**	**TO2- Bhima Dark Red**–it has dark red, flat-globe bulbs which matures at 95–100 days after transplanting and has an average marketable yield of 20–22 tons per hectare.
iii.	**Technology option-II (TO-III)**		
iv.	**Critical Inputs**	**:**	Seedling

xv.	**Unit Size**	:	0.4 ha
xvi.	**No. of Replications**	:	7
xvii.	**Unit Cost**	:	
iii.	**Total Cost**	:	
ix.	**Monitoring Indicator**	:	No of days to harvest, Bulb Diameter(cm), Bulb weight(g), yield(q/ha)
xx.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	:	(DOGR, MH, 2022)

OFT: 5

i.	**Season:**	Kharif, 2024
ii.	**Title of the OFT:**	Assessment of IPM Modules for the management of Brinjal fruit and shoot borer. Code-24OPP06 (K/R)
iii.	**Thematic Area:**	Integrated pest management
iv.	**Problem diagnosed:**	Low yield and poor marketability.
v.	**Important Cause:**	Due to fruit and shoot borer infestation
vi.	**Production system:**	Vegetable- vegetable
vii.	**Micro farming system:**	Rainfed upland
viii.	**Technology for Testing:**	Assessment of IPM Modules for the management of Brinjal fruit and shoot borer
ix.	**Existing Practice:**	Spraying of Profenophos @ 2ml/lt.
x.	**Hypothesis:**	To minimize fruit and shoot borer in brinjal .
xi.	**Objective(s):**	To assess two treatment options in different farmers field in different locations.
xii.	**Treatments:**	
	Farmers Practice (FP):	Spraying of Profenophos @ 2ml/lt.
	Technology option-I (TO-I):	Erection of Pheromone traps @ 20 nos./ha, release of *T. chilonis* @ 50,000/ha 6 times from 21 DAT at weekly interval, spraying of *Bt* at flowering @ 2ml/l two times in 10 days interval. Spraying of Emamectin benzoate 5% SG @ 200 g/ha at ETL > 5%
	Technology option-II (TO-II): and so on……	Clipping of infested shoots & fruits regularly, pheromone traps @ 25/ha at 30 DAT, spraying of Azadiractin 1500 ppm @ 3 ml/l at 20 DAT, spraying of *Bt* @ 2 ml/l twice at 30 DAT and 45 DAT, spraying of Chlorantraniliprole 18.5% SC @ 0.25 ml/l at 60 DAT
xiii.	**Critical Inputs:**	**TO1-**Pheromone trap, *T. chilonis, Bt,* Emamectin benzoate 5% SG **TO2-**Pheromone trap, Azadiractin 1500 ppm, *Bt,* Chlorantraniliprole 18.5% SC
xiv.	**Unit Size:**	1 ha
xv.	**No of Replications**	**7**
xvi.	**Unit Cost:**	1540.00

xvii.	**Total Cost:**	10780.00
xviii.	**Monitoring Indicator:**	Shoot infestation (%) and Fruit infestation (%)
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO-I :OUAT, AR, 2018 TO-II: OUAT, AR, 2019

OFT: 6

i.	**Season:**	Rabi, 2024-25
ii.	**Title of the OFT:**	Assessment of management of wilt complex in tomato by using Jivamrita and Bijamrita. Code- 23OPP02(R)
iii.	**Thematic Area:**	Integrated Disease Management
iv.	**Problem diagnosed:**	Low yield due to wilt incidence
v.	**Important Cause:**	Due to fungal and bacterial incidence
vi.	**Production system:**	Rice- vegetable
vii.	**Micro farming system:**	Irrigated medium land
viii.	**Technology for Testing:**	Assessment of management of wilt complex in tomato by using Jivamrita and Bijamrita
ix.	**Existing Practice:**	Carbendazim + Mancozeb @ 2gm./lt
x.	**Hypothesis:**	To minimize fungal or bacterial incidence.
xi.	**Objective(s):**	To assess two treatment options in different farmers field in different locations.
xii.	**Treatments:**	
	Farmers Practice (FP):	Carbendazim + Mancozeb @ 2gm./lt
	Technology option-I (TO-I):	**Jibamruta application** – Application of 200 lit of Jibamruta per acre with irrigation water or with spray machine at an interval of 15-20 days on standing crop @ 5-6 spray.
	Technology option-II (TO-II): and so on……	**TO_1 +Bijamruta application**-Application of prepared Bijamruat for seed treatment of 100 kg seeds, mix it with the seeds well so that bijamruta will be well coated on seeds, dry the mixture under shade before 24 hrs of sowing.
xiii.	**Critical Inputs:**	TO1-Jibamruta TO2-Jibamruta + Bijamruta
xiv.	**Unit Size:**	2 ha
xv.	**No of Replications**	**7**
xvi.	**Unit Cost:**	2000.00
xvii.	**Total Cost:**	14000.00
xviii.	**Monitoring Indicator:**	
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO-I :Manual of national centre for organic and natural farming, Gaziabad TO-II: Manual of national centre for organic and natural farming, Gaziabad

OFT: 7

i. **Season:** Kharif 2024
ii. **Title of the OFT: Assessment of humidity management in paddy straw mushroom production (Code-**24OHS01(K))
iii. **Thematic Area:** SSIGA
iv. **Problem diagnosed:** Low yield due to improper production technique
v. **Important Cause:**
vi. **Production system:** Integrated farming
vii. **Micro farming system:** Homestead
viii. **Technology for Testing:** Assessment of humidity management in paddy straw mushroom production
ix. **Existing Practice:** Mushroom production by using bundled paddy straw
x. **Hypothesis:**
xi. **Objective(s):** Nutrition security and income generation
xii. **Treatments:**
    i. Farmers Practice (FP): Mushroom production by using bundled paddy straw substrate (3 layers) with normal practice (soaking of 7kg straw in water for 10-12hrs, bed preparation with addition of spawn and pulse powder 3%)
    ii. Technology option-I (TO-I): Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor with 2 inch sand in moist condition and spreading wet gunny bag along the windows/ walls
    iii. Technology option-II (TO-II): Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of Fogger and hanging of folding type of Gunny bag outside the shade net.
xiii. **Critical Inputs:** Paddy straw Mushroom spawn
xiv. **Unit Size:** 7 nos.
xv. **No of Replications:** 7
xvi. **Unit Cost:**
xvii. **Total Cost:**
xviii. **Monitoring Indicator:** Yield (kg/bed), bio-efficiency (%)
xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CTMRT (2015)

OFT: 8

i.	**Season:**	Rabi, 2024
ii.	**Title of the OFT**	Assessment of processing and packaging methods of Jackfruit. (Code-23OHS04(K))
iii.	**Thematic Area:**	Value addition
iv.	**Problem diagnosed**	Low income due to under utilization of jack fruit.
v.	**Important Cause**	To increase price of jackfruit through value addition
vi.	**Production system**	Orchard based
vii.	**Micro farming system**	Rainfed medium land
viii.	**Technology for Testing**	Assessment of processing and packaging methods of Jackfruit.

ix.	**Existing Practice**.	Selling jack fruit in low price
x.	**Hypothesis**	
xi.	**Objective(s)**	Income generation
xii.	**Treatments:**	i. Farmers Practice (FP): Low income due to selling of jack fruit through middle man. ii. Technology option-I (TO-I): Peeling of Jackfruit by Knife/ Paniki, cut into pieces, and packaging in polyethylene. iii. Technology option-II (TO-II): Processing and packaging methods of tender jackfruit. 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 a punnet pack or PP pouch with 0.0675% perforation and refrigerated storage at 10^0 C.
xiii.	**Critical Inputs:**	Jackfruit and packaging materials (Punnet bag/ PP pouch with 0.0675% perforation)
xiv.	**Unit Size**	7 nos.
xv.	**No of Replications**	7
xvi.	**Unit Cost:**	
xvii.	**Total Cost:**	
xviii.	**Monitoring Indicator:**	Pilling capacity, efficiency shelf life, sensory evaluation
xix.	**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.)
	-	-

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

1. Drumstick cultivation as a profitable enterprise.
2. Honey bee rearing.

12. Scientific Advisory Committee

Date of SAC meeting held during 2023-24	Proposed date during 2024-2025
16.02.2024	15.01.2025

13. Soil and water testing

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

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2024	Expected fund requirement (Rs.) 2024-25
Contingency	1342500	1355000
TSP	1100000	1555000
Travelling allowances	112500	200000
HRD	-	30000
Library	10000	10000
Equipments and furniture	100000	-
Farm implements	-	-
Information technology	-	-
Bore well	-	-
Total	2665000	3150000

* Any additional requirement may be suitably justified.

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

Assessment of medium duration rice varieties under rainfed condition:

Medium duration rice var. Kalinga Dhan 1205 gives 11.2% higher yield than var. MTU 1001, suitable for rain-fed medium land, maturity: 130-135 days and moderately resistant to sheath blight and leaf folder.

TO_1:Kalinga Dhan 1205

TO_2:Kalinga Dhan 1203

Assessment of sucking pest management in chilli.

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

 **Affected by sucking pest**	 **Spryaing of Spiromesifen**

Assessment of management of wilt complex in tomato by using Jivamrita and Bijamrita

Application of organic concentrates incurred very less cost and the application is not tedious than the chemical methods. So seed treatement with bijamrit and soil application of Jivamrit starting from 25 DAT and at 15-20 days interval for 5 to 6 times in a cropping period should be followed.

	

Assessment of humidity management in paddy straw mushroom production

Production of paddy straw mushroom during summer covering the floor with et sand and spreading wet gunny bag in window/walls as a low cost technology is accepted by farm women.

	

Demonstration on weed management in Maize:

Application of Attrazine followed by Tembotrione and one hand weeding has resulted in 31% decrease in weed density in demo. plot as compared to FP as well as increase of BCR from 1.38 to 1.68.

	

Demonstration of HYV Ragi var. Arjuna:

Arjun gives 37.6 % more yield than farmers existing variety and it has higher BC ratio 1.67 as compared to FP is 1.33.

	

Demonstration on pod borer management in pigeon pea:

Maize as border crop, pheromone traps & helilure, Spraying of Azadiractin 0.15% at 50% flowering followed by Flubendiamide 48SC at pod formation stage and Bt at 15 days intervals gives 39.13% more yield than farmers practice.