Action Plan 2023-24

KVK, Ganjam-II

Krishi Vigyan Kendra, Ganjam-II
ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY ODISHA

ACTION PLAN 2023-24

1. Name of the KVK:

Address	Telephone	E mail
Krishi Vigyan Kendra, Ganjam-II At: Golanthara; P.O: Golanthara; Berhampur; Dist: Ganjam; Odisha – 761008	-	kvkganjam2.ouat@gmail.com **kvkganjam2@yahoo.com**

2.Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Orissa University of Agriculture and Technology Bhubaneswar -751003 Orissa			

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

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
INM	Integrated Nutrient Management in Paddy	01	01	Off	17.07.23	-	-	-	-	-	-	-	-	30
IWM	Integrated Weed management in Paddy	01	01	Off	21.07.23	-	-	-	-	-	-	-	-	30
Soil management	Soil Testing and Soil Health Management	01	01	Off	28.07.23	-	-	-	-	-	-	-	-	30
Nutrient management	Use of Bio-fertilizer for Sustainable Food Production	01	01	Off	04.08.23	-	-	-	-	-	-	-	-	30
Crop improvement	Importance of Growing pulse crop for alleviating pulse deficient in Odisha	01	01	Off	11.08.23	-	-	-	-	-	-	-	-	30
INM	Importance of application of Boron and zinc in maize for increasing the grain filling	01	01	, Off	17.08.23	-	-	-	-	-	-	-	-	30
IWM	Weed management in pulses and oilseed crop	01	01	Off	23.08.23	-	-	-	-	-	-	-	-	30
IWM	Safety and precaution for herbicide use.	01	01	, Off	03.09.23	-	-	-	-	-	-	-	-	30
Crop management	Importance and package and practice	01	01	Off	22.09.23	-	-	-	-	-	-	-	-	30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	of growing millet crops													
Residue management	Residue management in Rice field	01	01	, Off	02.10.23	-	-	-	-	-	-	-	-	30
Crop management	Package and practice for Rabi Oilseed crop-Mustard	01	01	Off	23.10.23	-	-	-	-	-	-	-	-	30
Crop management	Seed preservation techniques in pulses	01	01	Off	04.11.23	-	-	-	-	-	-	-	-	30
Production and Management technology	Production technology of tubercrops	1	1 day	Off	25.05.2023									30
Yield increment	Improved agro techniques of Cucurbitaceous vegetables	1	1 day	Off	22.06.2023									30
Off season vegetable	Production technology for off season vegetables	1	2 day	On	06.07.2023									30
Precision farming	Precision farming in horticultural crops	1	1 day	Off	24.7.2023									30
Export potential vegetables	Cultivation of, cauliflower, cabbage, broccoli in scientific manner	1	1 day	Off	17.8.2023									30
Spice production	Scientific cultivation of Onion, Ginger, Chilli	1	1 day	Off	12.9.2023									30
High value vegetable	Scientific cultivation of Capsicum, Broccoli, Cherry Tomato	1	1 day	Off	26.9.2023									30
Export potential of ornamental plants	Production technology of Marigold, Tuberose ,Jasmine	1	1day	Off	19.10.2023									30
Post harvest management	Post harvest management of fresh fruits & vegetables	1	1 day	Off	3.11.2023									30
Propagation techniques of Ornamental Plants	Agro techniques of Rose, Gladiolus, Gerbera cultivation	1	1 day	On	17.11.2023									30
Export potential fruits	Production technology of mango, Guava, Banana	1	1 day	Off	7.12.2023									30
Production and Management technology	Rejuvenation of old orchard and canopy management	1	1 day	Off	15.12.2023									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Soil management	Importance of soil testing and technique of soil sampling.	1	1 day	Off	25.04. 2023									30
Integrated Nutrient Management	INM in ragi	1	1 day	Off	11.05. 2023									30
Soil management	Green manuring in rice	1	1 day	Off	08.06.2023									30
Use of organic inputs	Integrated nutrient management in vegetables	1	2 day	On	28.06.2023 & 29.06.2023									30
Soil management	Soil fertility management	1	1 day	Off	12.07.2023									30
Production and use of organic inputs	Production technology of vermicompost and its uses	1	2 day	On	25.07. 2023 & 26.7.2023									30
Soil fertility management	Soil fertility management	1	1 day	Off	10.08. 2023									30
Natural farming	Zero budget natural farming	1	1 day	Off	12.09. 2023									30
Integrated Nutrient Management	Nutrient management in pulse crops	1	1 day	Off	05.10. 2023									30
Production and use of organic inputs	Production technology of vermicompost and its uses	1	1 day	Off	15.11. 2023									30
Nutrient use efficiency	Nutrient management in oil seed crops	1	1 day	Off	07.12. 2023									30
Use of micronutrient	Use of secondary and micronutrients vegetable crop	1	1 day	Off	28.12. 2023									30
IPM	Borer pest management in bittergourd	1	1 day	Off	12.04.2023									30
IDM	Blast disease management in ragi.	1	1 day	On	03.05.2023									30
IDM	Blast and sheath blight disease management rice.	1	1 day	Off	26.05.2023									30
IDM	Disease management in betelvine	1	1 day	On	09.06.2023									30
IDM	Disease and pest management in sun flower.	1	1 day	Off	29.06.2023									30
IDM	Wilt and rotting disease management in tomato.	1	1 day	On	07.07.2023									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IDM	Stone weevil management in Mango.	1	1 day	On	21.07.2023									30
IDM	Shoot and fruit borer management in brinjal.	1	1 day	Off	03.08.2023									30
IPM	Leaf curls disease management in chilli.	1	1 day	On	31.08.2023									30
IDM	Collar rot management in groundnut .	1	1 day	Off	08.09.2023									30
IPM	Aphid management in Marigold.	1	1 day	On	28.09.2023									30
IPM	Nursery disease management in rabi rice.	1	1 day	Off	20.10.2023									30
IPM	Method of preparation of pesticide formulation and its application.	1	1 day	Off	13.11.2023									30
IPM	Indigenous technology knowledge in insect, pests &disease control	1	1 day	Off	05.12.2023									30
Production and management	Feed preparation and management in pisciculture	1	1 day	Off	11.05.2023									30
Production and management	Pre stocking management in pisciculture tank	1	1 day	Off	05.06.2023									30
Production and management	Post stocking management in pisciculture tank.	1	1 day	Off	26.06.2023									30
IFS	Pond based Integrated fish farming	1	1 day	Off	10.07.2023									30
Production and Management	Fish seed production technology in small tanks	1	1 day	Off	29.07.2023									30
Production and management	Adverse aquatic environment & its remedial measures	1	1 day	Off	05.08.2023									30
Production and management	Crab culture and fattening	1	1 day	Off	19.08.2023									30
Production and management	Feed, Soil and water additives in Aquaculture	1	1 day	Off	07.09.2023									30
Production and management	Common diseases in fish pond and its control measures	1	1 day	Off	22.09.2023									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production and management	Control and eradication of algal blooms and weeds in fish culture	1	1 day	Off	04.10.2023									30
Post-harvest management	Value addition and value added products from fish and shell fish	1	1day	Off	27.10.2023									30
Production and management	Species diversification in Aquaculture and its Importance	1	1 day	Off	08.11.2023									30
Formation of CBOs	Formation, management and strengthening of SHG, FIG, CIG, JLG and WIG	01	1	Off	8.4.2023									30
Effective Utilization of Resources	Agro-forestry model and its importance on livelihoods	01	2	On	10.5.2023 11.5.2023									30
Institutional Development	Formation of Farmers Producer Organization	01	2	On	7.6.2023 8.6.2023									30
Technology Transfer	Adoption of climate-resilient practices for sustainable agriculture	01	2	On	19.7.2023 20.7.2023									30
Technology Transfer	Production led extension to market led extension	01	1	Off campus	26.7.2023									30
Technology Transfer	New dimension of extension approaches	01	1	On campus	17.8.2023 18.8.2023									30
Farm to Fork	Collective marketing for higher income and profit	01	1	Off campus	22.8.2023									30
Fodder production	Fodder cultivation for big and small ruminants	01	1	Off campus	13.9.2023									30
Soil and water conservation	In-situ moisture conservation technologies for better land and water management	01	1	Off campus	26.9.2023									30
Rural Entrepreneurships	Rural Entrepreneurships development through income generating activities	01	1	Off campus	17.10.2023									30
Rural Entrepreneurships	Development of Integrated farming	01	2	Off campus	02.11.2023									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
	system for small & marginal farmers													
Management of natural Resources	Conservation and Management of Natural Resources	01	1	Off campus	17.11.2023									30
Value addition	Value added product from fruit &veg.	2	2	On campus	12.12.2023 07.12.2023									60
Nutritional security	Nutritional garden	2	2	Off campus	21.07.2023 22.11.2023									60
Income generation	Backyard poultry for income generation	1	1	Off campus	28.11.2023									30

(b) Rural youths

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IFS	Integrated Farming system for Marginal Farmers.	02	04	On	09.10.23 13.12.23	-	-	-	-	-	-	-	-	50
Natural farming	Preparation of different organic formulation such as panchagavya, Jiva amrit, Beeja amrit, Neem tobacco-based pesticides etc.	02	04	On	18.01.24 17.02.24	-	-	-	-	-	-	-	-	50
Nursery Management of Horticulture crops	Nursery management and quality planting material production	1	2day	On	August 2023									25
Protected cultivation of vegetable crops	Entrepreneurship development through Production of high value vegetables	1	2day	On	September 2023									25
Commercial flower production	Flower cultivation a livelihood for	1	2day	On	October 2023									25

	Rural Entrepreneurs													
Commercial flower production	Protected Cultivation of Rose, Orchids,Gerbera	1	2day	On	November 2023									25
Production and use of organic inputs	Training on vermiculture and vermicomposting	2	4 day	On	August, October 2023									25
Production and use of organic inputs	Production and use of organic inputs	2	4 day	On	September, November 2023									25
IPM	Mango Orchard management	1	2days	Off	August 2023									25
IPM	Safe use of pesticide	1	2days	Off	October 2023									25
1PM	New generation pesticides	1	2days	On	November 2023									25
1PM	IPM & IDM in groundnut	1	2days	On	December 2023									25
Production & management	High input based Aquaculture practices (BIOFLOC)	1	2day	On	August 2023									25
Production & management	Package and practices of Fingerling and Yearling production	1	2day	On	October 2023									25
Production & management	Ornamental fish culture as an Income generating activity	1	2day	On	November 2023									25
Post-harvest management	Value addition and value added product preparation	1	2day	On	December 2023									25
Agri-preneurship Development	Agri-preneurship development towards self sufficiency	1	2 days	On	August 2023	1	1	1	1	8	3	10	5	25
Value Chain	Value Chain analysis of major Agril. Commodities	1	2 days	On	October 2023	1	1	0	0	8	5	9	6	25
Climate smart agriculture	Climate smart agriculture for sustainable development	1	2 days	On	November 2023	1	1	1	1	8	3	10	5	25
Agriculture Innovation	New Dimension of Agriculture for all-round development	1	2 days	On	December 2023	1	1	0	0	8	5	9	6	25

(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	Integrated crop management of millets crops	1	1 days	On	January 2024									25
Precision farming	Recent technologies for productivity enhancement in vegetable crops	1	1 days	On	January 2024									25
Production and management	Seed production technology in vegetable crops	1	1 days	On	January 2024									25
INM	Integrated nutrient management for sustainable agriculture	1	1 days	on	January 2024									25
Use of organic inputs	Organic farming for sustainable agriculture	1	1 days	on	January 2024									25
IPM	IPM in rice	1	1 days	on	January 2024									25
IPM and IDM	IPM and IDM in vegetables	1	1 days	on	January 2024									25
Production and Management	Recent Advances in Aquaculture Practices	1	1 days	On	January 2024									25
Production and Management	Tools for accessing soil, water and disease diagnosis and treatment	1	1 days	On	January 2024									25
Group dynamics	Formation & management of Farmer producer Organization	1	1 days	On	January 2024									25
Application of ICTs	Use of ICT (Information Communication Technology) in Agriculture	1	1days	On	January 2024									25

Training programme under millet mission

		No.	Duration	Venue	Tentative	No. of Participants

Thematic area	Title of Training			On/Off	Date	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Production and Management	Improved package and practices of millets	1	1 day	Off	26.04.2023									25
Integrated Nutrient Management	INM in ragi	1	1 day	Off	18.05.2023									25
IDM	Disease and pest management in millets	1	1 day	Off	17.07.2023									25
Location specific drudgery reduction technologies	Use of ragi thresher	1	1 day	Off	12.09.2023									25
Value addition	Value added products from millets	1	2 day	Off	18.10.2023									25

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	3												75
Crop Diversification	3												75
Integrated Farming													
Water management	3												75
Seed production	3												75
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	12												300
II. Horticulture													

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
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development	1												25
Yield increment	1												25
Production of low volume and high value crops													
Off-season vegetables	1												25
Nursery raising													
Exotic vegetables like Broccoli	1												25
Export potential vegetables	1												25
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	**5**												**125**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1												25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits	1												25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	**2**												**50**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	2												50
Propagation techniques of Ornamental Plants	1												25
Others, if any													
TOTAL	**3**												**75**
d) Plantation crops													
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													
e) Tuber crops													
Production and Management technology	1												25
Processing and value addition													
Others, if any													
TOTAL	**1**												**25**
f) Spices													
Production and Management technology	1												25
Processing and value addition													
Others, if any													
TOTAL	**1**												**25**
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL	**12**												**300**
III. Soil Health and Fertility Management													
Soil fertility management	2												50
Soil and Water Conservation													
Integrated Nutrient Management	3												75
Production and use of organic inputs	3												75
Management of Problematic soils													
Micro nutrient deficiency in crops	1												25
Nutrient Use Efficiency	1												25
Soil and Water Testing	2												50
Others, if any													
TOTAL	12												300
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													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	2												50
Income generation activities for empowerment of rural Women	2												50
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	2												50
TOTAL	**6**												**150**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
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	4												100
Integrated Disease Management	7												175
Bio-control of pests and diseases	1												25
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	12												300
VIII. Fisheries													
Integrated fish farming	1												25
Carp breeding and hatchery management	1												25
Carp fry and fingerling rearing	2												50
Composite fish culture & fish disease	4												100
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2												50
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	1												25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	1												25
Others, if any													
TOTAL	12												300
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
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	2												50
Formation and Management of SHGs	2												50
Mobilization of social capital	2												50
Entrepreneurial development of farmers/youths	2												50
WTO and IPR issues													
Others, if any	4												100
TOTAL	12												300
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	78												1950

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2												30
Production of organic inputs	2												30

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Planting material production	1												15
Vermi-culture	2												30
Sericulture													
Protected cultivation of vegetable crops	1												15
Commercial fruit production	1												15
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1												15
Training and pruning of orchards													
Value addition													
Orchard management by controlling pest and disease	1												15
Safe use of pesticide	1												15
New generation pesticides	1												15
IPM & IDM in groundnut	1												15
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1												15
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1												15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post Harvest Technology	1												15
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1												15
Others if any (ICT application in agriculture)	6												90
TOTAL	**24**												**360**

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												10
Integrated Pest Management	1												10
Integrated disease management	1												10
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												10
Formation and Management of SHGs	1												10
Group Dynamics and farmers organization	1												10
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	1												10
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	1												10
Others if any	2												20
TOTAL	**11**												**110**

4. Frontline demonstration to be conducted*

FLD -1(Agronomy):- Demonstration on Pre and Post Emergence Herbicides in transplanted Rice
Crop: Paddy
Thrust Area: Integrated Weed Management
Thematic Area: Crop Management
Season: Kharif- 2023
Farming Situation: Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Paddy	0.5	Pre-emergence application of pretilachlor 6% + bensulfuron methyl 0.6 % GR(Ready mix) 600g/ha at 3 DAT fb post emergence application of Bispyribac Sodium 10 EC 25g/ha at 20 DAT effectively control all types of weeds in Rice.	Weeds per meter sq., Weed control efficiency ,Yield qt/ha.	Pretilachlor, bensulfuron methyl, Bispyribac	30,000	34,000	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated Weed Management in Paddy	01	F/FW	01	On	-	-	-	-	-	-	-	-	25

FLD-2 (Agronomy)- Demonstration on Arjun variety of Finger millet

Crop: Finger Millet
Thrust Area: Varietal Evaluation
Thematic Area: Crop Improvement
Season: Kharif- 2023
Farming Situation: Medium Land Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Finger millet	02	Finger millet variety:OEB-526 (Arjun),Duration-105-110 Average yield: 25-26 q/ha) moderately resistant to leaf neck and blast diseases	Effective tillers/ $m^{2,}$ No of fingers per ear ,ear weight, no. of grains per ear, 1000 grain weight.	Seeds (Finger millet variety: OEB-526 (Arjun)	2500	1000	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Package and practice of Finger millet cultivation.	01	F/FW	01	On	-	-	-	-	-	-	-	-	25

FLD-3 (Agronomy)- Demonstration of water soluble fertilizers in blackgram

Crop: Black gram
Thrust Area: Integrated Nutrient Management
Thematic Area: Crop Improvement
Season: Rabi- 2023-24
Farming Situation: Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Blackgram	1.0	Application of 75 % STBR + foliar application of WSF (18 :18:18) @ 2 % at 25 & 40 DAS	Pod/plant, seeds/pod, yield/ha	WSF (18:18:18)	12,000	15000 /-	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated Nutrient Management in Blackgram	01	F/FW	01	On	-	-	-	-	-	-	-	-	25

FLD-4 (Agronomy)- Demonstration on weed management in maize

Crop: Maize
Thrust Area: Integrated Weed Management
Thematic Area: Crop Management
Season: Kharif-2023
Farming Situation: Upland, Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Maize	01	Post-emergence application of tembotrine 34.4% SC@ 100g/ha at 20 DAS(4-5 leaf stage)	No. of Weeds /m^2 weed control efficiency, No. of cobs per plant, cob length, cob yield.	Tembotrine	5000	7000	-	-	-	-	-	-	-	-	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated Weed management in Maize.	01	F/FW	01	On	-	-	-	-	-	-	-	-	25

FLD-5 (Horticulture): Demonstration on Dragon fruit cultivation for income generation of farmers

Crop: Dragon fruit

Thrust Area: fruit cultivation for income generation

Thematic Area: crop management

Season: Kharif 2023

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	Dragon fruit	1 ha	Cultivation of Dragon fruit in upland with pit size of 60x60x60 cm , Single pole system planting is done at 3X3 m distance.	No. of fruits/plant, Fruit weight (g), yield(q/ha) ,	Dragon fruit plants	55000	50000									

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 cultivation of Dragon fruit	1	F/FW	1day	off									25
Field day	Field day on Dragon fruit cultivation	2	F/FW, extension functionaries	1 day	off									40

FLD-6 (Horticulture) Demonstration of ivygourd for higher production

Crop: Ivygourd
Thrust Area: : Vegetable cultivation
Thematic Area: yield increment
Season: Kharif 2023
Farming Situation: Rainfed/ medium land, vegetable-vegetable cropping system

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	Ivy gourd	0.4ha	Cultivation of ivy gourd variety Arka Neelachal Kunkhi, Planted with a spacing of 2 m x 2 m.	No of fruits/plant, Fruit wt (g), Yield (q/ha)	ivy gourd seedling	60000	55000									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 package of practices of ivygourd	1	F/FW	1day	Off									25
Field day	Field day on ivygourd cultivation	2	F/FW, extension functionaries	1 day	Off									40

FLD-7 (Horticulture): Demonstration of foliar application of growth regulator on chilli

Crop: Chilli

Thrust Area: plant growth regulator

Thematic Area: Production enhancement

Season: Rabi, 2023-24

Farming Situation: Irrigated-medium land , Vegetable –vegetable cropping system

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
	Chilli	1 ha	Spray of planofix @ 10ppm at 60 and 90 days after planting	Green chilli yield(q/ha), no.of fruit /plant	Planofix	55000	47000									

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 cultivation of chilli	1	F/FW	1day	off									25
Field day	Field day on use of phyto hormone to increase the productivity of chilli	2	F/FW, extension functionaries	1 day	off									40

FLD-8 (Horticulture): Demonstration on trellies system in pointed gourd for higher production

Crop: pointed gourd

Thrust Area: : Vegetable production
Thematic Area: Yield enhancement.
Season: Rabi 2023 -24
Farming Situation: Irrigated-medium land , Vegetable –vegetable cropping system

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	Pointed gourd	0.4ha	Bower type trellis systems	No, of fruits / plant, Yield, B:Cratio	Seeds	27000	22000									

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 package of practices of pointed gourd	1	F/FW	1day	Off									25
Field day	Field day on Improved cultivation of pointed gourd	2	F/FW, extension functionaries	1 day	Off									40

FLD-9 (Soil Science): Demonstration on application of consortia biofertiliser in brinjal

Crop: Brinjal
Thrust Area: Vegetable cultivation
Thematic Area: INM
Season: Kharif 2023
Farming Situation: Rainfed/ medium land, vegetable-vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	**Brinjal**	1ha	STBF+ inoculation of OUAT consortia bio-fertilisers to pre-limed(5%) 300 Kg FYM/VC(1:25) incubated for 7 days at 30% moisture and applied in the rhizosphere on the day of planting	No. of fruits/plant, Soil testing values before and after crop	Cosortia biofertilisers,	84000	76000									10

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Training	INM in **brinjal**	1	25	1day	off									25
Field day	Field day on Demonstration on INM in **brinjal**	2	F/FW, Extension functionaries	2day	off									40

FLD-10 (Soil Science): Demonstration on INM in ragi
Crop: Ragi

Thrust Area: Soil fertility management
Thematic Area: INM
Season: Kharif, 2023

Farming Situation: Rainfed up land , Cereal-pulse cropping system

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	STBF+ FYM @5t/ha +Azotobacter, Azosspirillum and PSB @4 kg each per hectare	Grain yield, Soil testing values before and after crop	Biofertiliser	37200	32500									10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Package and practices of ragi cultivation	1	25	1day	off									25
Field day	Demonstration on INM in ragi	2	F/FW, Extension functionaries	2 day	off									40

FLD-11 (Soil Science) Demonstration on integrated nutrient management in betel vine

Thrust Area: Soil fertility management
Thematic Area: INM
Season: Rabi 2023-2024
Farming Situation: Irrigated, upland (betel vine round the year)

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	**betel vine**	1.0ha	STBF (50%) +MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha + consortia of azotobacter, azosprillum and PSB @ 4 kg/ha inoculated to 300kg VC, mixed with 15 kg lime incubated at 30 % moisture for a week and applied in the rhizosphere.	Vine length , No of leaves/ vine	Vermicompost, biofertiliser	90000	80000									10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Package and practices of **betel vine** cultivation	1	25	1day	off									25

Field day	Field day on INM in Beetlevine	2	F/FW, Extension functionaries	2day	off									40

FLD-12 (Soil Science) Demonstration on integrated nutrient management in chilli

Crop: Chilli
Thrust Area: Spices cultivation
Thematic Area: INM
Season: Rabi 2023-2024
Farming Situation: Irrigated medium land, Rice-vegetable/vegetable-vegetable cropping system

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
	Chilli	1ha	Use of STBF NPK, Nitrogen to be applied in 3 split doses, Soil application of Azospirillum @ 4kg/ha should be mixed with 100 kg FYM	Soil parameter before and after crop, No. of fruit per plant, Avg. fruit wt.	Azospirillum	135000	118000									10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on INM in chilli	1	25	1day	off									25
Field day	Demonstration on integrated nutrient management in chilli	2	F/FW, Extension functionaries	1day	off									40

FLD-13 (Plant protection) Demonstration of Blast disease management practices in Ragi

Crop: Ragi

Thrust Area: Pest management

Thematic Area: IPM

Season: Kharif 2023

Farming Situation: Rainfed up land , Cereal-pulse cropping system

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
	Ragi	2 ha	Seed & planting material treatment with tricyclazole @ 3g/kg of seed and Three sprays of Prochloraz 26.25% + Tricyclazole 22.5% SE @ 1 lt/ha at 10 days interval f neem oil	No .of affected plant/m2,Yield (q/ha), B:C ratio,	Tricyclazole Prochloraz											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on Blast disease management practices in kharif Ragi	1	Farmer &farmwomen	1day	off									25
Field day	Field day on Blast disease management practices in kharif Ragi	2	F/FW,VAW,NGO members,Krusimitra, Krusaksathietc	2day	off									40

FLD-14 (Plant protection) Demonstration on IPM against aphids in Marigold

Crop: Marigold
Thrust Area: Pest management.
Thematic Area: IPM
Season:Rabi 2023-24
Farming Situation: Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Marigold	1 ha	Application of neemcake @2.5q/ha at the time of planting, Installation of Yellow sticky trap @ 50/ha & foliar spraying of Flonicamide 50%WG @ 200gm/ha twice at 15 days interval.	No .of affected plant/m2, Yield (q/ha), B:C ratio,	Neem cake, Flonicamide											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on Aphid management in Marigold	1	Farmer &farmwomen	1day	off									25
Field day	Field day	2	F/FW,VAW,NGO members, Krusimitra, Krusaksathietc	2day	off									40

FLD-15 (Plant protection) Demonstration of Integrated pest management of Die back in Chilli

Crop: Chilli

Thrust Area: Spices cultivation

Thematic Area: IDM

Season: Rabi 2023-2024

Farming Situation: Irrigated medium land, Rice-vegetable/vegetable-vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chilli	2 ha	Seed treatment with *T.viridae*@ 2.5g/ kg of seed and application of Pyraclostrobin 20 WG @ 1gm/lt of water from initial disease appearance at 10 days interval	Diseased plants/m2	T.viridae Pyraclostrobin											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	chemical management of Die back in Chilli	1	Farmer &farmwomen	1day	off									25
Field day	Field day on chemical management	2	F/FW,VAW,NGO members,Krusimitra, Krusaksathietc	1day	off									40

	of Die back in Chilli													

FLD-16 (Plant protection) Demonstration on Integrated pest management of fruit borer in pointed gourd

Crop: pointed gourd.
Thrust Area: Vegetable production
Thematic Area: IPM
Season: Kharif 2023
Farming Situation: Rainfed up land , vegetable-vegetable cropping system

, 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	Pointed gourd	1 ha	Application of Neemazole @2.5ml/lt at 15 days interval upto flowering use of Pheromone Trap @75 no.s/ha need base application of Flubendiamide 39.35%M/MS.c @ 125ml/ha and Chlorotranilipr ole 18.5% W/WS.c @150ml/ha twice after 15 days interval.	No .of affected plant/m^2, No. of insect/m^2 Yield (q/ha), B:C ratio,	Neem cake Neemazo le Flubendi amide Chlorotra niliprole											

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on chemical management of Fruit borer in pointed gourd.	1	Farmer &farmwomen	1day	off									25
Field day	Field day on chemical management of Fruit borer in pointed gourd.	2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc	2day	off									40

FLD-17(Fishery Sc.): Demonstration on Carp starter -II compound feed for raising fry to fingerling

Crop: Fish

Thrust Area: Small scale income generation

Thematic Area: Nutrient management

Season: Kharif 2023

Farming Situation: Small to medium tanks, irrigated, Low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Fish (IMC)	2.0 ha	Feeding of Carp starter -II compound feed in nursery pond with a gradually decreasing feeding rate of 10-5% of biomass	Survivability (%) AWG (gm), SGR, Additional Cost (Rs.), Yield (q/ha) Net Income (Rs./ha)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Trg	Feeding management in Nursery pond	01	F/FW, RY	01	On/Off									25
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-18(Fishery Sc.) Demonstration on use of Probiotic for enhanced pond productivity

Crop: Fish

Thrust Area: Production and Management

Thematic Area: Soil and Water Quality management

Season: Year Round 2023-24

Farming Situation: Small to medium tanks, irrigated, Low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fish	05	Both the Water and Soil probiotic contains the mixture of Heterotrophic and Autotrophic bacteria, helps in assimilation of	**Growth Parameter:** Avg. Body Wt. & Length, Survivability%, SGR (%);										5	5	10

			organic materials, thereby reducing the harm-ful effect in the water column as well in the pond bottom	**Water quality Parameter:** Plankton, pH, DO_2, Alkalinity, Hardness												

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	Probiotics and its application in Pisciculture	1	Farmer & farmwomen	1day	Off									25
Field day		1	F/FW,VAW,NGO members, Krusimitra, Krusaksathi etc	1 day	Off									40

FLD-19(Fishery Sc.): Demonstration of crab fattening in HDPE box

Crop: Shell fish (Crab)
Thrust Area: Production and Management
Thematic Area: Intensive Farming
Season: Year round 2023-24
Farming Situation: Medium to large tanks, irrigated, Low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Crab (*Scylla serrata*)	2.0 ha	Stocking of crabs of 150-200 gm size in individual HDPE box (340X300X275 mm) for fattening purpose. Water quality management	Yield (q/ha), Survivability (%) AWG (gm), Net Income (Rs./ha)												05

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
Trg	Mud crab fattening and culture	01	F/FW, RY	01	On/Off									25
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-20(Fishery Sc.): Demonstration of strengthening of pond based IFS

Crop: Fish and Horticulture
Thrust Area: Production and Management
Thematic Area: IFS
Season: Year round 2023-24
Farming Situation: Small to medium tanks, Farm Ponds, irrigated, Low land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Fish (IMC)	1.0 ha	Stocking of yearlings of IMC @ 5000 nos/ha, planting of papaya, banana and drumstick on pond dykes + Poultry/Duckery rearing	Additional Cost and Return (Rs.), Yield (q/ha) Net Income (Rs./ha)												05

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
Trg	Integrated Farming System	01	F/FW, RY	01	On/Off									25
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-21 (Extension) Demonstration of the effectiveness of short videos on technology adoption

Crop: Short video (Field crop/ vegetable)
Thrust Area: Mass communication
Thematic Area: Use of ITC in agriculture
Season: Year-round (khari/Rabi) 2023-24
Farming Situation: Irrigated, Medium land

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Field crop/ vegetable	30	Preparation of small videos (1.5-2.0 minutes) on different activities of production	Visually engaging/Informative and timeliness, Understanding the method and process										40	20	60

			process of selected commodities and the same will be sent through WhatsApp to the identified farmers	depicted in the video, Retention, retrieval & re-use of the content												

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		1	Farmer &farmwomen	1day	off									25
Field day		2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc.	2day	off									40

FLD-22 (Extension) Demonstration of the effectiveness of marketing channels in selling of Tomato/Chilli/Brinjal by e-NAM
Crop: Tomato/Chilli/Brinjal
Thrust Area: Marketing channel through e-NAM
Thematic Area: Marketing channels
Season: *Rabi*, 2023-24
Farming Situation: Irrigated, Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	**Tomato/ Chilli/Brinjal**	30 nos.	Demonstration of proven marketing mix channels through product, price, place, and promotion(**e-NAM)**	Effective channels, Digital Marketing Channels, Retention, retrieval & re-use of the content, % follow-up &										20	10	30

				utilized, Volume of commodity, Annual turnover & Annual profit												

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		1	Farmer &farmwomen	1day	off									25
Field day		2	F/FW, VAW,NGOmembers, krusimitra, Krusaksathietc	2days	off									40

FLD -23(Home Sc.) Demonstration of low cost technology for drying of Oyster Mushroom
Crop: Oyster Mushroom .
Thrust Area: Mushroom cultivation
Thematic Area: Post harvest management
Season: Round the year 2023-24
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	**Oyster Mushroom**	200 beds	**FP**- Selling of fresh Oyster mushroom in the market **RP**-Dried Oyster Mushroom. Soaking of mushroom for 6-7 minutes in preservatives (0.6	Sensory evaluation-(Colour, flavour, Taste, Overall acceptability), Self life (Days).	Chemical (Potassium meta bisulphite and citric acid)	4000	-								10	10

			gm Potassium meta bisulphite and 10 gm citric acid/kg fresh mushroom diluted in one liter normal water) followed by drying under sun for 3 consecutive days and packaging.													

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	Capacity building on drying method in oyster mushroom cultivation	1	25	1	Off								25	25

FLD -24(Home Sc.) Demonstration on brooding management in chicks

Crop: Poultry
Thrust Area: Brooding management
Thematic Area: Backyard Poultry rearing
Season: Round the year 2023-24
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Poultry	10	**FP-** Purchasing poor quality chicks from local sellers and rearing without brooding practice. **RP-**Artificial brooding of chicks Artificial brooding of chicks, brooding	Chick mortality rate during brooding period, body weight at 21 days,	Chicks & brooder	10000	-								10	10

			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 against RD on 7th, 28th day & IBD on 14th day. Use of electrolytes, preventive antibiotics during brooding, use of gas brooder & hover.	survivability of birds till start of laying. Cost of intervention, additional income over additional investment, B:C ratio											

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	Capacity building of farm women in brooding chicks	1	25	1	Off								25	25

FLD -25(Home Sc.) Demonstration on pulse processing by using mini dal mill for higher income of WSHGs

Crop: Pulses
Thrust Area:Drudgery reduction
Thematic Area: Income generation
Season: Round the year 2023-24
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Pulse	2 no SHGs	**FP** -Selling of unprocessed pulse grain ,only drying and selling of grain.	Field capacity (kg/hr), Labour (MDs/q), Damaged / Broken(%), recovery (%), Husk(%), Energy expenditure rate(kJ/min),WHR(b	Dal mill	40000	-								20	20

			RP- Processing of green gram and black gram by mini dal mill , packaging and selling Cleaning the grains, mixing 400 to 600ml oil/1quintal grain, keeping for 12 hour followed by sun drying for 2to 4days,adding 5-7%water and keeping in heap for 4-6 hours followed by processing. Operated by 1Hp electric motor, Capacity-30kg/hr	eats/min),% increase in efficiency, % reduction in drudgery, CBR Yield, B:C ratio, Net profit												

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	Post harvest mgt and market linkage in pulses	1	25	1	Off								25	25

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.)
Rice	FS	July 2023- Dec. 2023		Seed	150 q	350000.00	487500.00	137500.00
Tomato	ArkaRakshak, swarnasampad, utkalkumari	April 2023 to March 2024		Seedling	100000 no.			
Chilli	Arkaharita, Arkameghna	April 2023 to March 2024		Seedling	100000no.			
Brinjal	Swarna Shyamali Arka Annand	April 2023 to March 2024		Seedling	50000			
Onion	Red 3, Agrifound dark red	Oct 2023 to Feb 2024		Seedling	100000			
Papaya	SapnaF1, Red lady	April 2023 to March 2024		Seedling	5000			
Drumstick	Bhagya PKM-2	April 2023 to March 2024		seedling	5000			
Other vegetable seedlings	As per farmers demand	-			10000			
Vermicompost		April 2023 to March 2024		Vermicompost	25 q	12000	37500	25500
Earthworm		April 2023 to March 2024		*Eiseniafoetida*	20kg	1500	10000	6000
Paddy straw mushroom and oyster mushroom		April 2023 to March 2024			1q		15000	
Fish		April 2023 to March 2024			10 q	80000	150000	
Ornamental fish		April 2023 to March 2024			2000 pairs	6000	10000	
Advanced Fingerlings/ Yearling		April 2023 to March 2024			15000 nos.	32000	60000	
Fry		April 2023 to March 2024			60000	8000	15000	

b) Village Seed Production Programme

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

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	40										
2.	KisanMela	02										
3.	KisanGhosthi	-										
4.	Exhibition	04										
5.	Film Show	02										
6.	Method Demonstrations	35										
7.	Farmers Seminar	-										
8.	Workshop	01										
9.	Group meetings	25										
10.	Lectures delivered as resource persons	30										
11.	Advisory Services	60										
12.	Scientific visit to farmers field	150										
13.	Farmers visit to KVK	250										
14.	Diagnostic visits	50										
15.	Exposure visits	5										
16.	Ex-trainees Sammelan	15										
17.	Soil health Camp	2										
18.	Animal Health Camp	2										
19.	Agri mobile clinic	35										
20.	Soil test campaigns	02										
21.	Farm Science Club Conveners meet	10										
22.	Self Help Group Conveners meetings	02										
23.	MahilaMandals Conveners meetings	02										
24.	Celebration of important days (specify)	20										
25.	Sankalp Se Siddhi	3										
26.	Swatchta Hi Sewa	5										
27.	MahilaKisanDiwas	01										
28.	Any Other (Specify)	08										
	Total											

7. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.04.2023)	Amount proposed to be invested during 2023-2024	Expected Return
355390	390000.00	785000.00

8. 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 (Agronomy)

I.	**Season:**	Kharif 2023
II.	**Title of the OFT:**	**Assessment of Little millet varieties**
III.	**Thematic Area:**	Crop improvement
IV.	**Problem diagnosed:**	**Low yield from local little millet varieties**
V.	**Important Cause:**	**Use of local varieties**
VI.	**Production system:**	**Millet cultivation**
VII.	**Micro farming system:**	**Rainfed medium land**
VIII.	**Technology for Testing:**	TO1.- **TO1-Little millet variety-Kalinga suan 217** TO2- **Little millet variety-Kalinga suan 18**
IX.	**Existing Practice:**	**Local suan var. sana suan**
X.	**Hypothesis:**	**To popularizes the high yielding little millet varieties**
XI.	**Objective(s):**	**Aware farmers about high yielding varieties of little millets**
XII.	**Treatments:**	
	Farmers Practice (FP):	**Local suan var. sana suan**

	Technology option-I (TO-I)	**Little millet variety-Kalinga suan 217**
	Technology option-II (TO-II)	**Little millet variety-Kalinga suan 18**
XIII.	**Critical Inputs:**	**Kalinga suan 217, Kalinga suan 18,**
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	7 nos
XVI.	**Unit Cost:**	400
XVII.	**Total Cost:**	2800
VIII.	**Monitoring Indicator:**	**Effective tillers/ $m^{2,}$ No of fingers per ear ,ear weight, no. of grains per ear, 1000 grain weight. Yield per ha, B:C Ratio.**
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**OUAT-AICRP on small millet, OUAT, Berhampur-2009** **AICRP on small millet, OUAT, Berhampur-2022**

OFT -02 (Agronomy.)

I.	**Season:**	**Pre Rabi-2023(New)**
II.	**Title of the OFT:**	**Assessment of decomposer for in-situ residue management in Rice**
III.	**Thematic Area:**	**Crop Reside management**
IV.	**Problem diagnosed:**	**Residue burning causes environmental pollution as well as decreasing soil microbial properties**
V.	**Important Cause:**	**Burning of paddy straw**
VI.	**Production system:**	**Reside management**
VII.	**Micro farming system:**	**Medium land** **Rice-greengram farming situation**

VIII.	**Technology for Testing:**	T O_1 - **Application of NRRI decomposer**
		T O_2 **Application of PUSA decomposer**
IX.	**Existing Practice:**	**Burning of paddy straw after harvesting**
X.	**Hypothesis:**	
XI.	**Objective(s):**	To aware farmers about residue management by using waste decomposer
XII.	**Treatments:**	
	Farmers Practice (FP):	**Harvesting of rice in combine harvester and burning of residue in the field.**
	Technology option-I (TO-I)	**NRRI decomposer @ 10 capsules in 100 lit .of cow dung slurry + 2 % jaggery solution + 0.5% urea solution kept for 7 days and sprayed for 1 ha**
	Technology option-II (TO-II)	**PUSA decomposer@ 4 capsules in 25 lit of water with 2 % jaggery solution and pulse powder for 1 ha**
XIII.	**Critical Inputs:**	**NRRI decomposer, PUSA decomposer**
XIV.	**Unit Size:**	**1 ha**
XV.	**No of Replications:**	07
XVI.	**Unit Cost:**	1000
XVII.	**Total Cost:**	7000
XVIII.	**Monitoring Indicator:**	**Period of decomposition, Soil Microbial Properties**
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**NRRI-2021 & IARI-2020**

OFT -1 : (Horticulture)

I. Season:	Kharif 2023
II. Title of the OFT:	Assessment of growth promoters on growth and yield of jasmine
III. Thematic Area:	Crop management
IV. Problem diagnosed:	Lower yield
V. Important Cause:	No use of growth promoters
VI. Production system:	Floriculture -floriculture cropping system

VII.	**Micro farming system:**	Kharif, irrigated-medium land.
VIII.	**Technology for Testing:**	TO1.- Vermicompost @ 1.5 t/ha + Panchagavya @ 3 per cent foliar spray TO2- Vermicompost @ 1.5 t/ha + GA3 @ 300 ppm foliar spray
IX.	**Existing Practice:**	No foliar spray of growth regulator
X.	**Hypothesis:**	By foliar application of growth promoters the growth and yield will increase.
XI.	**Objective(s):**	To increase productivity and to increase shelf life
XII.	**Treatments:**	
	Farmers Practice (FP):	No foliar spray of growth regulator
	Technology option-I (TO-I)	Vermicompost @ 1.5 t/ha + Panchagavya @ 3 per cent foliar spray
	Technology option-II (TO-II)	Vermicompost @ 1.5 t/ha + GA3 @ 300 ppm foliar spray
XIII.	**Critical Inputs:**	Vermicompost, Panchagavya, GA3
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	7000
XVII.	**Total Cost:**	49000
VIII.	**Monitoring Indicator:**	Flower yield (q/ha), shelf life of flowers,(hr) days taken for commencement of flowering(days), 100 bud wt. g)
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	: Annamalai University, Tamil Nadu, 2018TO2: IIVR

OFT -2 : (Horticulture)

I.	**Season:**	Rabi 2023-24
II.	**Title of the OFT:**	Assessment of foliar application of biostimulants on growth and flowering of African marigold
III.	**Thematic Area:**	Crop management
IV.	**Problem diagnosed:**	Lower yield
V.	**Important Cause:**	No use of growth regulator
VI.	**Production system:**	Floriculture -floriculture cropping system
VII.	**Micro farming system:**	Irrigated medium land

VIII.	**Technology for Testing:**	TO1.- Seaweed extracts contain major and micro nutrients, amino acids, vitamins, cytokinins, auxin and abscisic acid like growth promoting substances and stimulate the growth and yield TO2- Humic acid is a plant growth promoter and increases the availability of nutrients to plants and enhance the flower quality and yield.
IX.	**Existing Practice:**	No application of growth regulator
X.	**Hypothesis:**	By Foliar application of biostimulants on growth and flowering of African marigold, the yield will increase.
XI.	**Objective(s):**	To increase productivity and to increase shelf life.
XII.	**Treatments:**	
	Farmers Practice (FP):	No application of growth regulator
	Technology option-I (TO-I)	Spray of Seaweed extract @ 1% at 30,45,60 DAT
	Technology option-II (TO-II)	Spray of humic acid @ 0.2 % at 30,45,60 DAT
XIII.	**Critical Inputs:**	Biostimulants (Sea weed extract, humic acid)
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	1500
XVII.	**Total Cost:**	10500
XVIII.	**Monitoring Indicator:**	No. of branches per plant**, t**Days taken for flower bud appearance, No. of flowers per plant, Shelf Life (days)
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO1: Annual Report ICAR-DFR 2015-16 TO2: Annual report , TNAU, 2016-17

OFT-3 (Soil Sc.)

XX.	**Season:**	Kharif 2023
XXI.	**Title of the OFT:**	Assessment of integrated nutrient management on growth and yield of papaya
XXII.	**Thematic Area:**	INM
XIII.	**Problem diagnosed:**	Low fruit yield due to imbalanced use of nutrients
XIV.	**Important Cause:**	Imbalance use of nutrient
XXV.	**Production system:**	vegetable-vegetable cropping system
XVI.	**Micro farming system:**	Kharif, irrigated-medium land.

XVII.	**Technology for Testing:**	Assessment of integrated nutrient management on growth and yield of papaya
VIII.	**Existing Practice:**	Application of chemical fertilizer NPK (200:200:200 g/plant)+FYM @1kg/plant
XIX.	**Hypothesis:**	Application of organic sources of nutrients and biofertilisers enhance fertilizer use efficiency with apart from nutrient supply and availability and helps in maintaining long-term soil fertility and productivity of crops
XXX.	**Objective(s):**	To increase productivity of the Papaya
XXI.	**Treatments:**	
	Farmers Practice (FP):	Application of chemical fertilizer NPK (200:200:200 g/plant)+FYM @1kg/plant
	Technology option-I (TO-I)	Application 300-300-300 g NPK/Plant with micronutrient Zn@0.5%+B@0.02% 2 sprays at 15 days interval during 5th month of planting & 1 spray at fruit setting and spray after 12 months of planting
	Technology option-II (TO-II)	75% RDF + vermi-compost @ 4 t/ha + Azotobacter@4kg/ha + PSM@4 kg/ha
XXII.	**Critical Inputs:**	Biofertiliser, Vermicompost
XIII.	**Unit Size:**	1.0 ha
XIV.	**No of Replications:**	7
XXV.	**Unit Cost:**	4000
XVI.	**Total Cost:**	28000
XVII.	**Monitoring Indicator:**	Plant height and girth, number of fruits per plant, soil test value (before planting and after harvesting)
VIII.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO_1 : Technical Bulletin IIHR,2009 TO_2 : Annual Report, OUAT, 2012-13

OFT-4 (Soil Sc.)

I.	**Season:**	Rabi 2023-24
II.	**Title of the OFT:**	Assessment of integrated nutrient management in ridge gourd
III.	**Thematic Area:**	INM
IV.	**Problem diagnosed:**	Low yield due to poor nutrient management
V.	**Important Cause:**	Imbalance use of nutrient
VI.	**Production system:**	vegetable-vegetable cropping system

VI	**Micro farming system:**	Rabi, irrigated-medium land.
VI	**Technology for Testing:**	Assessment of integrated nutrient management in ridge gourd
IX.	**Existing Practice:**	Application of $N\text{-}P_2O_5\text{-}K_2O$ (80:46:30)
X.	**Hypothesis:**	Application of organic sources of nutrients and biofertilisers enhance fertilizer use efficiency and helps in maintaining long-term soil fertility and productivity of crops
XI.	**Objective(s):**	To increase productivity of the Ridge gourd
XI	**Treatments:**	
	Farmers Practice (FP):	Application of $N\text{-}P_2O_5\text{-}K_2O$ (80:40:30)
	Technology option-I (TO-I)	50%STBF (NPK) + 25%STBF N through vermicompost+ Azotobacter @4kg/ha and PSB @4kg/ha
	Technology option-II (TO-II)	STBF (NPK) +FYM@10t/ha+ consortia of azotobacter, azosprillum and PSB @ 4 kg/ha each inoculated to 300kg vermicompost, mixed with 15 kg lime incubated at 30 % moisture for a week and applied in the soil.
XI	**Critical Inputs:**	Biofertiliser, Vermicompost
XI	**Unit Size:**	1.0 ha
XV	**No. of Replications:**	7
XV	**Unit Cost:**	4000
XV	**Total Cost:**	28000
XV	**Monitoring Indicator:**	Fruit weight, number of fruits per plant, soil test value (before planting and after harvesting)
XI	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO_1 : N.D. University of Agriculture and Technology, Kumarganj, FAIZABAD, 2014 TO_2 : AINP on soil Biodiversity- Biofertilisers,OUAT,2018

OFT-5 (Plant Protection)

i.	**Season:**	Kharif - 2023
ii.	**Title of the OFT:**	Assessment of YMV management in Papaya
iii.	**Thematic Area:**	IDM
iv.	**Problem diagnosed:**	Leaf discoloration , Stunted growth & low yield

v.	**Important Cause:**	White fly
vi.	**Production system:**	vegetable-vegetable cropping (Papaya-Year round)
vii.	**Micro farming system:**	Irrigated-medium land,
viii.	**Technology for Testing:**	TO1: Application of Thiomethoxam 25%WG @ 200g/ ha twice at 15 days interval & installation of yellow sticky trap 50 nos/ha TO2: Soil application of Fipronil 0.3G twice(once during transplanting& another at 30 DAT),Alternate application of Azadirachtin 1500 ppm@ 1.5 l/ha & Flonicamide 50%WG@ 150g/ha at 15 days interval ,yellow sticky traps@ 50/ha, Coriander intercropping as a trap crop
ix.	**Existing Practice:**	Spraying of imidaclopride @ 200ml/ha.
x.	**Hypothesis:**	Both the treatment will decrease disease infestation in papaya.
xi.	**Objective(s):**	To reduce the disease infestation and enhance the yield.
xii.	**Treatments:**	
	Farmers Practice (FP):	Spraying of Imidachloprid@ 200ml/ha. .
	Technology option-I (TO-I):	Application of Thiomethoxam 25%WG @ 200g/ ha twice at 15 days interval & installation of yellow sticky trap 50 nos/ha
	Technology option-II (TO-II): and so on……	Soil application of Fipronil 0.3G twice(once during transplanting& another at 30 DAT),Alternate application of Azadirachtin 1500 ppm@ 1.5 l/ha & Flonicamide 50%WG@ 150g/ha at 15 days interval ,yellow sticky traps@ 50/ha, Coriander intercropping as a trap crop
xiii.	**Critical Inputs:**	Thiomethoxam , flonicamide
xiv.	**Unit Size:**	1 ha
xv.	**No of Replications:**	07 (Kutharisingh, Hinjlicut , Panada),
xvi.	**Unit Cost:**	3000.00
xvii.	**Total Cost:**	21000.00
xviii.	**Monitoring Indicator:**	No.of affected plant/m2 Additional income over additional investment ,Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO_1 : TNAU, Annual report 2015-16 TO_2 : RRTTS, Ranital,OUAT,2018

OFT-6 (Plant Protection)

i.	**Season:**	Rabi 2023-24
ii.	**Title of the OFT:**	Assessment of fruit fly management in Ridge gourd
iii.	**Thematic Area:**	IPM
iv.	**Problem diagnosed:**	Leaf discoloration , Stunted growth & low yield
v.	**Important Cause:**	FRUIT fly
vi.	**Production system:**	Rice-vegetable cropping system
vii.	**Micro farming system:**	Irrigated-medium land,
viii.	**Technology for Testing:**	TO1: Seed treatment with Imidachloprid 70%WP @ 2gm/lt of water and foliar spraying of Imidachloprid 70%Wp@ 200gm/ ha, twice at 15 days interval TO2: Seed treatment with Pymetrozine 50%WG@ 3gm/lt of water and foliar spraying of Pymetrozine 50%WG@ 250gm/lt of water twice at 15 days interval
ix.	**Existing Practice:**	Application of Chloropyriphos@ 1lt/ha.
x.	**Hypothesis:**	Both the treatment will decrease disease infestation in Ridge gourd
xi.	**Objective(s):**	To reduce the disease infestation and enhance the yield
xii.	**Treatments:**	
	Farmers Practice (FP):	Spraying of Chloropyriphos@ 1lt/ha.
	Technology option-I (TO-I):	Seed treatment with Imidachloprid 70%Wp @ 2 gm/lt of water and foliar spraying of Imidachloprid 70%Wp @ 200gm/ ha, twice at 15 days interval
	Technology option-II (TO-II): and so on……	Seed treatment with Pymetrozine 50%WG@ 3gm/lt of water and foliar spraying of Pymetrozine 50%WG@ 250gm/lt of water twice at 15 days interval
xiii.	**Critical Inputs:**	Imidachloprid 70%Wp, Pymetrozine 50%WG,
xiv.	**Unit Size:**	1 ha
xv.	**No of Replications:**	07 (Medinipur,hinjiligaon.Badakharida),
xvi.	**Unit Cost:**	3000
xvii.	**Total Cost:**	21000
xviii.	**Monitoring Indicator:**	No.of affected plant/m2, Cost of intervention, Additional income over additional investment ,Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO_1 : TNAU, Annual report 2015-16 TO_2 : OUAT,BBSR,2017-18

OFT-7 Fishery Science

i.	**Season:**	Year round 2023-24
ii.	**Title of the OFT:**	Assessment of Ivermectin in controlling Argulosis
iii.	**Thematic Area:**	Production and management
iv.	**Problem diagnosed:**	Frequent occurrence of 'Argulosis' in carp culture ponds Unavailability of suitable recommendations
v.	**Important Cause:**	Improper disease control measures
vi.	**Production system:**	Grow-Out carp culture, Modified Extensive system
vii.	**Micro farming system:**	Irrigated/Rain-fed; Extensive
viii.	**Technology for Testing:**	Combined application ofIvermectin in controlling Argulosis
ix.	**Existing Practice:**	Application of synthetic pyrethroids like cypermethrin 10% EC / deltamethrin 2.8% EC
x.	**Hypothesis:**	Both the Synthetic Pyrethroids and Avermectin group chemicals/drugs inhibits the growth and brings the mortality of the parasite through disturbance in the CNS, moulting and growth
xi.	**Objective(s):**	To find-out the effective chemical/drug in successful control of Parasitic diseases in carps. To establish the effective chemical/drug delivery system. To validate the result in different locations.
xii.	**Treatments:**	
	Farmers Practice (FP):	Application of synthetic pyrethroids like cypermethrin 10% EC / deltamethrin 2.8% EC
	Technology option-I (TO-I):	Ivermectin 2% w/v in pond water @ 200ml/Acre-m
	Technology option-II (TO-II):	Alternate application of Ivermectin 2% (w/v and 2% w/w) in pond in 10 days interval.
xiii.	**Critical Inputs:**	Ivermectin
xiv.	**Unit Size:**	0.4 – 1.0 ha
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	2750
xvii.	**Total Cost:**	19250
xviii.	**Monitoring Indicator:**	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	CIFA, 2015-16, COF (OUAT)-2018-19 KVK, Bhadrak (OUAT), 2020

OFT-8 Fishery Science

i.	**Season :**	Kharif 2023
ii.	**Title of the OFT:**	Assessment of genetically improved Catla spawns for maximizing fry production in nursery tanks
iii.	**Thematic Area:**	Production management
iv.	**Problem diagnosed:**	Less initial growth rate of Catla spawns in nursery tanks encourages predation by insects, thus leads to poor survival and final low yield of fry.
v.	**Important Cause:**	Less growth in stipulated time
vi.	**Production system:**	Carp Poly culture
vii.	**Micro farming system:**	Irrigated/Rain-fed Extensive.
viii.	**Technology for Testing:**	
ix.	**Existing Practice:**	Normal Catla spawns with traditional Nursery Rearing
x.	**Hypothesis:**	Selectively bred Catla spawn with higher vigour and survivility
xi.	**Objective(s):**	Higher growth rate and survival. Stocking density 75lakh/ha. Pond basal fertilisation with Organic manure followed by liming and feeding with GNOC and DORB.
xii.	**Treatments:**	
	Farmers Practice (FP):	Normal Catla spawns with traditional Nursery Rearing
	Technology option-I (TO-I):	Normal Catla spawns with BMP
	Technology option-II (TO-II):	Improved Catla Spawn with BMP
xiii.	**Critical Inputs:**	Catla Spawn, Feed Ingredients
xiv.	**Unit Size:**	0.04-0.2 ha
xv.	**No of Replications:**	05
xvi.	**Unit Cost:**	4750
xvii.	**Total Cost:**	22500
xviii.	**Monitoring Indicator:**	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR-CIFA – 2015 ICAR-CIFA – 2018

OFT-09 Agriculture Extension

I.	**Season:**	Kharif 2023
II.	**Title of the OFT:**	**Assessment of the effectiveness of different extension methods to access information on rice production**
III.	**Thematic Area:**	Usefulness of ICT
IV.	**Problem diagnosed:**	Poor associability with accurate and timely information on technical knowledge /advisory in rice production.
V.	**Important Cause:**	Non-availability of rice production information during the need of farmers
VI.	**Production system:**	Rice - pulses (Rainfed).
VII.	**Micro farming system:**	Rice – greengram
VIII.	**Technology for Testing:**	Usefulness of rice-based ICT materials and riceXpert
IX.	**Existing Practice:**	Framer gets information from friends, relative, input dealers, extension functionaries, KMA and mass media
X.	**Hypothesis:**	Current flow of information is not adequate as per farmer's expectation.
XI.	**Objective(s):**	To increase the knowledge level of farmers on rice production
XII.	**Treatments:**	
	Farmers Practice (FP):	Farmers getting information from the peer group, input dealers, extension functionaries, KMA and mass media
	Technology option-I (TO-I)	FP + Short Video Lecture+ Focus Group discussion / Clarification session
	Technology option-II (TO-II)	FP + Using of" riceXpert" App
	Technology option-III (TO-III)	FP + getting support from "Resilient practices" from the resilient project
XIII.	**Critical Inputs:**	Interview schedule
XIV.	**Unit Size:**	0.4ha or less (each)
XV.	**No of Replications:**	**30**
XVI.	**Unit Cost:**	-
XVII.	**Total Cost:**	-
XVIII.	**Monitoring Indicator:**	Timely Availability/delivery of technology, suitability of technology, easy of handling the extension method, retention and retrieval of information (All parameters to be taken on a three-point scale and measured through a weighted matrix)Change in knowledge, user-friendliness of the extension method continuation of the use of such method.
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	Source: NRRI, Cuttack.2017

OFT-10 Agriculture Extension

I.	**Season:**	Rabi 20223-24
II.	**Title of the OFT:**	**Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability**
III.	**Thematic Area:**	Income generation
IV.	**Problem diagnosed:**	Unorganized farmers fetching low prices due to distressed sale of farm produce
V.	**Important Cause:**	Unorganized farmers fetching low prices due to distressed sale of farm produce
VI.	**Production system:**	Vegetable-vegetable-vegetable
VII.	**Micro farming system:**	Vegetable-vegetable-vegetable (Irrigated) Rice pulses (Rainfed)
VIII.	**Technology for Testing:**	Performance of FPOs with varied levels of task and commodity to enhance income
IX.	**Existing Practice:**	Farmers marketing their produce through intermediaries
X.	**Hypothesis:**	FPO dealing with multi-commodity with multi-task is more beneficial for farming communities'
XI.	**Objective(s):**	To increase the income level of farmer
XII.	**Treatments:**	
	Farmers Practice (FP):	Farmers marketing their produce through intermediaries
	Technology option-I (TO-I)	FPO deals with a single commodity with a single task i.e., Vegetable-Marketing
	Technology option-II (TO-II)	FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing
	Technology option-III (TO-III)	FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises-sorting, grading, packing, value addition, branding, levelling and marketing
XIII.	**Critical Inputs:**	Interview schedule
XIV.	**Unit Size:**	0.4ha or less (each)
XV.	**No of Replications:**	30
XVI.	**Unit Cost:**	-
XVII.	**Total Cost:**	-
XVIII.	**Monitoring Indicator:**	Farmer's interest to become a member, Easy to produce, Easy to sell, Business planning and market linkage with various national and multinational companies, Management quality/easy in management, Total share capital deposited in the bank, No of FIGs, No of members, Meeting status, Type of commodity, Volume of commodity, Annual turnover, Annual profit
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	FPO NABARD 1019-20

OFT-11 (Home Sc.)

i.	**Season:**	Kharif 2023

ii.	**Title of the OFT:**	**Assessment of the improved techniques for cultivation of Paddy straw mushroom (*Volvariellavolvacea)* using crumpled straw**
iii.	**Thematic Area:**	Post harvest management
iv.	**Problem diagnosed:**	**1.** Non availability of quality straw **2.** Low return from mushroom cultivation **3.** Under utilization of available loose straw
v.	**Important Cause:**	Non availability of quality straw
vi.	**Production system:**	Enterprise development
vii.	**Micro farming system:**	Homestead
viii.	**Technology for Testing:**	T O_1 -Square compact bed size (30 × 30 cm) Crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight) T O_2 -Circular compact bed size -(45 cm diameter, 30 cm height) Crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight) Source: Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012
ix.	**Existing Practice:**	Mushroom cultivation by using bundle straw
x.	**Hypothesis:**	Use of crumpled straw will reduce the cost of cultivation in addition to increase B:C ration
xi.	**Objective(s):**	Mushroom cultivation with loose straw will reduce the cost of cultivation of mushroom farmers.
xii.	**Treatments:**	
	Farmers Practice (FP):	**FP-** Rectangular compact method Size-45x60x30 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 (30 × 30 cm) Crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight)
	Technology option-II (TO-II)	Circular compact bed size -(45 cm diameter, 30 cm height) Crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% CaCo3, 14-20 days age spawn at 2% of dry substrate weight and coarsely ground horse gram powder (at 2% dry substrate weight) Source: Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012

xiii.	**Critical Inputs:**	Spawn bottle
xiv.	**Unit Size:**	20 nos. bed
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	Rs.200
xvii.	**Total Cost:**	Rs. 2000/-
xviii.	**Monitoring Indicator:**	Average weight/button(g), Pin head appearance (days), Biological efficiency (%),
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	Source: Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012

*Repeat the same format for EACH OFT being proposed.

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 nos

12. Scientific Advisory Committee

Date of SAC meeting held during 20122-23	Proposed date during 2019-2020
17 12.2022	December 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	500										50	1000
Water Samples	50										10	100
Other (Please specify)												
Total	550										60	1100

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2023	Expected fund requirement (Rs.)
Contingency	700000	1000000
SCSP	2100000	2500000
NON RECURRIING	2525000	3000000
TA	120000	200000
Total	**5445000**	**6700000**

* 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