Annual Action Plan 2024-25

Krishi Vigyan Kendra, Ganjam-II

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY ODISHA

भाकृअनुप
ICAR

ACTION PLAN 2024-25

1. Name of the KVK:

Address	Telephone	E mail
Krishi Vigyan Kendra, Ganjam-II At: Golanthara; P.O: Golanthara; Berhampur; Dist: Ganjam; Odisha – 761008	-	kvk.ganjam2@ouat.ac.in

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 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
INM	Integrated Nutrient Management in Paddy	01	01	Off	18.06.2024	-	-	-	-	-	-	-	-	30
IWM	Integrated Weed management in Paddy	01	01	Off	24.06.2024	-	-	-	-	-	-	-	-	30
Soil management	Soil Testing and Soil Health Management	01	01	Off	10.07.2024	-	-	-	-	-	-	-	-	30
Nutrient management	Use of Bio-fertilizer for Sustainable Food Production	01	01	Off	25.07.2024	-	-	-	-	-	-	-	-	30
Crop improvement	Importance of Growing pulse crop for alleviating pulse deficient in Odisha	01	01	Off	12.08.2024	-	-	-	-	-	-	-	-	30
INM	Importance of application of Boron and zinc in maize for increasing the grain filling	01	01	, Off	17.08.2024	-	-	-	-	-	-	-	-	30
IWM	Weed management in pulses and oilseed crop	01	01	Off	03.09.2024	-	-	-	-	-	-	-	-	30
IWM	Safety and precaution for herbicide use.	01	01	, Off	12.09.2024	-	-	-	-	-	-	-	-	30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	Importance and package and practice of growing millet crops	01	01	Off	23.09.2024	-	-	-	-	-	-	-	-	30
Residue management	Residue management in Rice field	01	01	, Off	03.10.2024	-	-	-	-	-	-	-	-	30
Crop management	Package and practice for Rabi Oilseed crop-Mustard	01	01	Off	24.10.2024	-	-	-	-	-	-	-	-	30
Crop management	Seed preservation techniques in pulses	01	01	Off	04.11.2024	-	-	-	-	-	-	-	-	30
Precision farming	Precision farming in horticultural crops	1	1 day	Off	24.7.2024									30
Export potential vegetables	Cultivation of, cauliflower, cabbage, broccoli in scientific manner	1	1 day	Off	12.8.2024									30
Spice production	Scientific cultivation of Onion, Ginger, Chilli	1	1 day	Off	12.9.2024									30
Export potential of ornamental plants	Production technology of Marigold, Tuberose ,Jasmine	1	1day	Off	19.10.2024									30
Post harvest management	Post harvest management of fresh fruits & vegetables	1	1 day	Off	03.11.2024									30
Soil management	Importance of soil testing and technique of soil sampling.	1	1 day	Off	25.04. 2024									30
Integrated Nutrient Management	INM in ragi	1	1 day	Off	10.05. 2024									30
Soil management	Green manuring in rice	1	1 day	Off	07.06.2024									30
Use of organic inputs	Integrated nutrient management in vegetables	1	2 day	On	19.06.2024 & 20.06.2024									30
Soil management	Soil fertility management	1	1 day	Off	12.07.2024									30
Production and use of organic inputs	Production technology of vermicompost and its uses	1	2 day	On	25.07. 2024 & 26.7.2024									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Soil fertility management	Soil fertility management	1	1 day	Off	09.08. 2024									30
Natural farming	Zero budget natural farming	1	1 day	Off	12.09. 2024									30
Integrated Nutrient Management	Nutrient management in pulse crops	1	1 day	Off	05.10. 2024									30
Production and use of organic inputs	Production technology of vermicompost and its uses	1	1 day	Off	16.11. 2024									30
Nutrient use efficiency	Nutrient management in oil seed crops	1	1 day	Off	07.12. 2024									30
Use of micronutrient	Use of secondary and micronutrients vegetable crop	1	1 day	Off	27.12. 2024									30
IPM	Borer pest management in bittergourd	1	1 day	Off	12.04.2024									30
IDM	Blast disease management in ragi.	1	1 day	On	03.05.2024									30
IDM	Blast and sheath blight disease management rice.	1	1 day	Off	27.05.2024									30
IDM	Disease management in betelvine	1	1 day	On	10.06.2024									30
IDM	Disease and pest management in sun flower.	1	1 day	Off	29.06.2024									30
IDM	Wilt and rotting disease management in tomato.	1	1 day	On	06.07.2024									30
IDM	Stone weevil management in Mango.	1	1 day	On	22.07.2024									30
IDM	Shoot and fruit borer management in brinjal.	1	1 day	Off	03.08.2024									30
IPM	Leaf curls disease management in chilli.	1	1 day	On	31.08.2024									30
IDM	Collar rot management in groundnut .	1	1 day	Off	09.09.2024									30
IPM	Aphid management in Marigold.	1	1 day	On	27.09.2024									30

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IPM	Nursery disease management in rabi rice.	1	1 day	Off	19.10.2024									30
IPM	Method of preparation of pesticide formulation and its application.	1	1 day	Off	13.11.2024									30
IPM	Indigenous technology knowledge in insect, pests &disease control	1	1 day	Off	05.12.2024									30
Production and management	Feed preparation and management in pisciculture	1	1 day	Off	13.05.2024									30
Production and management	Pre stocking management in pisciculture tank	1	1 day	Off	05.06.2024									30
Production and management	Post stocking management in pisciculture tank.	1	1 day	Off	26.06.2024									30
IFS	Pond based Integrated fish farming	1	1 day	Off	10.07.2024									30
Production and Management	Fish seed production technology in small tanks	1	1 day	Off	29.07.2024									30
Production and management	Adverse aquatic environment & its remedial measures	1	1 day	Off	05.08.2024									30
Production and management	Crab culture and fattening	1	1 day	Off	20.08.2024									30
Production and management	Feed, Soil and water additives in Aquaculture	1	1 day	Off	06.09.2024									30
Production and management	Common diseases in fish pond and its control measures	1	1 day	Off	23.09.2024									30
Production and management	Control and eradication of algal blooms and weeds in fish culture	1	1 day	Off	04.10.2024									30
Post-harvest management	Value addition and value added products from fish and shell fish	1	1day	Off	28.10.2024									30
Production and management	Species diversification in Aquaculture and its Importance	1	1 day	Off	08.11.2024									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	Sept 2024	-	-	-	-	-	-	-	-	50
Natural farming	Preparation of different organic formulation such as panchagavya, Jiva amrit, Beejaamrit, Neem tobacco-based pesticides etc.	02	04	On	January 2025	-	-	-	-	-	-	-	-	50
Production and use of organic inputs	Training on vermiculture and vermicomposting	2	4 day	On	August, October 2024									25
Production and use of organic inputs	Production and use of organic inputs	2	4 day	On	September, November 2024									25
IPM	Mango Orchard management	1	2days	Off	August 2024									25
IPM	Safe use of pesticide	1	2days	Off	October 2024									25
1PM	New generation pesticides	1	2days	On	November 2024									25
1PM	IPM & IDM in groundnut	1	2days	On	December 2024									25
Production & management	High input based Aquaculture practices (BIOFLOC)	1	2day	On	August 2024									25
Production & management	Package and practices of Fingerling and Yearling production	1	2day	On	October 2024									25
Production &	Ornamental fish	1	2day	On	November									25

management	culture as an Income generating activity				2024									
Post-harvest management	Value addition and value added product preparation	1	2day	On	December 2024									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 2025									25
Precision farming	Recent technologies for productivity enhancement in vegetable crops	1	1 days	On	January 2025									25
INM	Integrated nutrient management for sustainable agriculture	1	1 days	on	January 2025									25
Use of organic inputs	Organic farming for sustainable agriculture	1	1 days	on	January 2025									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 2025									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 2025									25

Group dynamics	Formation & management of Farmer producer Organization	1	1 days	On	January 2025									25
Application of ICTs	Use of ICT (Information Communication Technology) in Agriculture	1	1days	On	January 2025									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												90
Crop Diversification	3												90
Integrated Farming													
Water management	3												90
Seed production	3												90
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	12												360
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development	1												30
Yield increment	1												30
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													

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
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	2												60
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1												30
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits	1												30
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	2												60
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	2												60
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL	2												60
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology	1												30
Processing and value addition													
Others, if any													
TOTAL	1												30
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													

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
Post harvest technology and value addition													
Others, if any													
TOTAL	12												360
III. Soil Health and Fertility Management													
Soil fertility management	2												60
Soil and Water Conservation													
Integrated Nutrient Management	3												90
Production and use of organic inputs	3												90
Management of Problematic soils													
Micro nutrient deficiency in crops	1												30
Nutrient Use Efficiency	1												30
Soil and Water Testing	2												60
Others, if any													
TOTAL	12												360
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													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery													

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
reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
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	4												120
Integrated Disease Management	7												210
Bio-control of pests and diseases	1												30
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	12												360
VIII. Fisheries													
Integrated fish farming	1												30
Carp breeding and hatchery management	1												30
Carp fry and fingerling rearing	2												60
Composite fish culture & fish disease	4												120
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2												60
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	1												30
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													

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
Fish processing and value addition	1												30
Others, if any													
TOTAL	12												360
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	54												1620

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of organic inputs	2												30
Planting material production													
Vermi-culture	2												30
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production	2												30
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Orchard management by controlling pest and disease	1												30
Safe use of pesticide	1												30
New generation pesticides	1												30
IPM & IDM in groundnut	1												30
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1												30
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	1												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
rearing													
Small scale processing	1												30
Post Harvest Technology	1												30
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**16**												**240**

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												15
Integrated Pest Management	1												15
Integrated disease management	1												15
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												15
Formation and Management of SHGs	1												15
Group Dynamics and farmers organization	1												15
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												15
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1												15
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	2												30
TOTAL	**10**												**150**

4. Frontline demonstration to be conducted*

FLD -1(Agronomy):- Demonstration on weed management in transplanted Rice, Code: 23FAG07(K)

Crop: Paddy
Thrust Area: Integrated Weed Management
Thematic Area: Crop Management
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	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 .	Weeds per meter sq., Weed control efficiency ,Yield q/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	-	-	-	-	-	-	-	-	30

FLD-2 (Agronomy)- Demonstration on High yielding finger millet variety- Shreeratna, Code: 24FAG10(K)

Crop: Finger Millet
Thrust Area: Varietal Evaluation
Thematic Area: Crop Improvement
Season: Kharif- 2024
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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Finger millet	02	Shreeratna Duration-117 days, moderately resistant to blast disease, stemborer, aphids and grass hoppers, Average yield-23.5 q/ha	Effective tillers/ $m^{2,}$ No of fingers per ear , no. of grains per ear, 1000 grain weight	Seeds (Finger millet variety: **Shreeratna**	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	-	-	-	-	-	-	-	-	30

FLD-3 (Agronomy)- Demonstration on toria variety Sushree , Code: 23FAG4(R)*

Crop: **Toria**
Thrust Area: Integrated Nutrient Management
Thematic Area: Crop Improvement
Season: Rabi- 2024-25
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	**Toria**	2.0	Var. Sushree (seed inoculation with Azotobactor,PSB along with 50-25-25 NPK kg/ha along with application of 25 kg ZnSo4 and 1kg B per ha	No. of siliquae/plant, no. of seeds/siliquae, seed yield(kg/ha)		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 toria	01	F/FW	01	On	-	-	-	-	-	-	-	-	30

FLD-4 (Agronomy)- Demonstration on ICM in Groundnut , Code: 24FAG16 (R)

Crop: **Groundnut**

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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	**Groundnut**	01	Groundnut Var. Dharani, STBF +gypsum@ 2.5q/ha and Boron 1 Kg/ha + Trichoderma. Pre-emergence application of Pendimethalin @ 2.5l/ha fb post emergence application of Quizalfop P ethyl 1000ml/ha with mechanical harvesting.	No. of pods/ plant, Weeds per meter sq., Weed control efficiency ,Yield q/ha	Boron + Trichoderma.	8000	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	Integrated Weed management in Groundnut .	01	F/FW	01	On	-	-	-	-	-	-	-	-	30

FLD-5 (Horticulture):Demonstration on Dragon fruit cultivation for income generation of farmers , Code - 23FHO027(K)

Crop: Dragon fruit

Thrust Area: fruit cultivation for income generation

Thematic Area: crop management

Season: Kharif 2024

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	7500	10000									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 cultivation of Dragon fruit	1	F/FW	1day	Off									30
Field day	Field day on Dragon fruit cultivation	2	F/FW, extension functionaries	1 day	Off									50

FLD-6 (Horticulture)Demonstration of ivygourd for higher production , Code -23FHO07(K)

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 NeelachalKunkhi, Planted with a spacing of 2 m x 2 m.	No of fruits/plant, Fruit wt (g), Yield (q/ha)	ivy gourd seedling	6000	4500									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									30
Field day	Field day on ivygourd cultivation	2	F/FW, extension functionaries	1 day	Off									50

FLD-7 (Soil Science): Demonstration on integrated nutrient management on growth and yield of papaya, Code:24FSS11(K)

Crop: **papaya**
Thrust Area: Vegetable cultivation
Thematic Area: INM
Season: Kharif 2024
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	**Papaya**	1ha	75% STD + vermi-compost @ 4 t/ha + Azotobacter@4 kg/ha + PSM@4 kg/ha	Plant height, number of fruits per plant, soil test value (before planting and after harvesting	vermi-compost, Azotobacter	20000	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	INM in **brinjal**	1	25	1day	off									30
Field day	Field day on Demonstration on INM in **Papaya**	2	F/FW, Extension Functionaries	2day	off									50

FLD-8 (Soil Science): Demonstration on application of OUAT consortia biofertiliser in cauliflower , Code: 24FSS12(R)

Crop: **Cauliflower**
Thrust Area: Soil fertility management
Thematic Area: INM
Season: Rabi 2024-25
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	**Cauliflower**	2 ha	STD+ 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	Curd weight, Soil testing values before and after crop	OUAT consortia bio-fertilizer	15000	9000									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									30
Field day	Demonstration on INM in ragi	2	F/FW, Extension functionaries	2 day	off									50

FLD-9 (Soil Science) Demonstration on integrated nutrient management in betel vine , Code: 23FSS13(K)

Thrust Area: Soil fertility management
Thematic Area: INM
Season: Rabi 2024-2025
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	MOC, Vermicompost ,consortia of azotobacter, azosprillum and PSB	65000	42000									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									30
Field day	Field day on INM in Beetlevine	2	F/FW, Extension functionaries	2day	off									50

FLD-10 (Soil Science) Demonstration on application of lime for management of blossom end rot in tomato, Code: 24FSS13 (R)

Crop: **Tomato**
Thrust Area: Spices cultivation
Thematic Area: INM
Season: Rabi 2024-20245
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
	Tomato	1ha	STD+ Soil application of lime @0.2LR	No. of infected fruits/m^2, initial and final soil status	Lime	12000	9000									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									30
Field day	Demonstration on integrated nutrient management in chilli	2	F/FW, Extension functionaries	1day	off									50

FLD-11 (Plant protection) Demonstration on integrated management of thrips and mite in Chilli, Code: 24FPP22(K/R)

Crop: **Chilli**
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
1	Chilli	2 ha	Soil application of neem cake @ 2.5 q/ha, installation of blue sticky traps @ 50 nos/ha, application of Difenthiuron 50WP + Spiromesifen 240 SC @ 500 ml/ha at 10 days interval starting from 30 DAT	No .of affected plant/100m2	Neem cake and Difenthiuron 50WP + Spiromesifen 240 SC	35000	26000									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 chilli	1	Farmer &farmwomen	1day	Off									30
Field day	Field day on Blast disease management practices in kharif chilli	2	F/FW,VAW,NGO members,Krusimitra, Krusaksathi etc	2day	Off									50

FLD-12 (Plant protection) Demonstration on IPM against Mealy bug in Okra, Code: 24FPP20(R)

Crop: **Okra**
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	**Okra**	1 ha	Removal of grasses from the bunds, removal and destruction of affected plants, spraying of Fenitrothion 50 % EC @1.5 l/ha twice at 10 days interval.	No of infected plant/100m2 ,	Fenitrothion 50 % EC	25000	20000									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 okra	1	Farmer &farmwomen	1day	off									30
Field day	Field day	2	F/FW,VAW,NGO members, Krusimitra, Krusaksathi etc	2day	off									50

FLD-13 (Plant protection) Demonstration of Fall Armyworm management practices in Maize, Code: 24FPP08(K)

Crop: Maize
Thrust Area: Spices cultivation
Thematic Area: IDM
Season: Kharif - 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	**Maize**	2 ha	▪ First Window (seedling to early whorl stage): spray 5% NSKE or Azadirachtin 1500 ppm @ 5 ml/l of water ▪ Second window (mid whorl to late whorl stage): To manage 2nd and 3rd instar larvae at 10-20% damage spray Spinetoram 11.7% SC @ 0.5 ml/l of water ▪ Poison baiting: Poison baiting is recommended for late instar larvae of second window. Keep the mixture of 10 kg rice bran + 2 kg jaggery with 2-3 litres of water for 24 hours to ferment. Add 100g Thiodicarb just half an hour before application in the field. The bait should be applied into the leaf	% of pest infestation, No of insect/plant, No of plant infested /m2	Azadirachtin 1500 ppm, Spinetoram 11.7% SC and Spinetoram 11.7% SC	32000	26000									10

			whorl of the plants. ▪ Third Window (8 weeks after emergence to tasseling and post tasseling): Hand picking of the larvae is advisable.													

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									30
Field day	Field day on chemical management of Die back in Chilli	2	F/FW,VAW,NGO members,Krusimitra, Krusaksathietc	1day	off									50

FLD-14 (Plant protection) Demonstration on Integrated pest management of fruit borer in pointed gourd , Code-23FPP15(K)

Crop: pointed gourd.
Thrust Area: Vegetable production
Thematic Area: IPM
Season: Kharif 2024
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 Chlorotraniliprole 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,	Neemazole ,Flubendiamide Pheromone trap and Chlorotraniliprole	50000	37000									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 chemical management of Fruit borer in pointed gourd.	1	Farmer &farmwomen	1day	Off									30
Field day	Field day on chemical management of Fruit borer in pointed gourd.	2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc	2day	Off									50

FLD-15 (Fishery Sc.): Demonstration on Use of CIFRI Agrcure (Tandav/ DANAV) for controlling Argulus in carp culture, **Code-**23FFS04(K)
Crop: Fish
Thrust Area: Small scale income generation
Thematic Area: Nutrient management
Season: Kharif 2024
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)	10 No	Application of CIFRI-Argcure (Tandav/Danav) @ 40 ml per acre-m, 3 times in 7 days interval	Disease incidence (%), Mortality (%), SGR, ABW (Harvest), BC ratio												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Trg	Fish disease diagnosis and treatment	02	F/FW	03	On/Off									60
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-16(Fishery Sc.) Demonstration on Polyculture of CIFA-GI Scampi/ Freshwater Prawn with Carps, **Code-**23FFS12(K)
Crop: Fish
Thrust Area: Production and Management
Thematic Area: Soil and Water Quality management
Season: Year Round 2024-25
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	Prawn	10 no	Stocking of CIFA-GI Scampi PL@10,000/ha along with carps@6000/ha (Catla@3000 Nos, Rohu@2000 Nos, Mrigal@500 Nos and Grass carp@500 Nos)	Survivability, Size, ABW, Yield										5	5	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	Mixed culture and Polyculture	1	Farmer&farmwomen	1day	Off									30

	practices in pisciculture													
Field day		1	F/FW,VAW,NGO members,Krusimitra, Krusaksathietc	1 day	Off									40

FLD-17(Fishery Sc.): Demonstration of FERTIFISH (Fermented Fish Waste solution) on growth/yield of Vegetable, Code-23FFS13(K)

Crop: Fish
Thrust Area: Production and Management
Thematic Area: Intensive Farming
Season: Year round 2024-25
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.	Fish	2.0 ha	Foliar spray of organic FFWS solution @ 5% in vegetables													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	Post harvest management and production of inputs from fishery by-products	01	F/FW	01	On/Off									30
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-18(Fishery Sc.): Demonstration of strengthening of pond based IFS , Code-23FFS18(Y)

Crop: Fish and Horticulture
Thrust Area: Production and Management
Thematic Area: IFS
Season: Year round 2024-25
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 + 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	02	F/FW, RY	03	On/Off									45
Field Day		01	AFO/JFTA/SFTA/F/FW,VAW,NGO members, krusimitra, Krusaksathi	01	Off									25

FLD-19 (Extension) Demonstration on transfer of technology through harnessing human values in agriculture **Code:.23FEE03(Y)**

Crop: -
Thrust Area: Agriculture and allied sectors
Thematic Area: Human resource management
Season: Year-round (khari/Rabi) 2024-25
Farming Situation: -

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	-	15 nos	Progressive farmers designated by an organization as per the domain of specialization serves as an ambassador of change in the process of technology transfer. (Farmer scientist, farmer professor, farm	Transfer of specific tech (Ha/number), Horizontal spread										40	20	60

			captain, blue farmer of the district, mushroom lady etc.)													

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									30
Field day		2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc.	2day	off									40

5. a) Seed and planting material productionby 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 2024-Dec. 2024		Seed	150 q	350000.00	487500.00	137500.00
Tomato	ArkaRakshak, swarnasampad, utkalkumari	April 2024 to March 2025		Seedling	30000 no.			
Chilli	Arkaharita, Arkameghna	April 2024 to March 2025		Seedling	30000no.			
Brinjal	Swarna Shyamali Arka Annand	April 2024 to March 2025		Seedling	10000			
Onion	Red 3, Agrifound dark red	Oct 2024 to Feb 2025		Seedling	10000			
Papaya	SapnaF1, Red lady	April 2024 to March 2025		Seedling	5000			
Drumstick	Bhagya PKM-2	April 2024 to March 2025		seedling	5000			
Other vegetable seedlings	As per farmers demand	-			10000			
Vermicompost		April 2024 to March 2025		Vermicompost	25q	12000	37500	25500
Earthworm		April 2024 to March 2025		*Eiseniafoetida*	20kg	1500	10000	6000
Paddy straw mushroom and oyster mushroom		April 2024 to March 2025			1q		15000	
Fish		April 2024 to March 2025			10 q	80000	150000	
Ornamental fish		April 2024 to March 2025			2000 pairs	6000	10000	
Advanced Fingerlings/ Yearling		April 2024 to March 2025			15000 nos.	32000	60000	
Fry		April 2024 to March 2025			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 20224-2025 (As on 01.04.2024)	Amount proposed to be invested during 2024-2025	Expected Return
266125	500000.00	800000.00

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 2024
II.	**Title of the OFT:**	Assessment of Little millet varieties Code:230AG20(K)
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.- 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
VII.	**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-2024(New)
II.	**Title of the OFT:**	Assessment of medium duration rice varieties under rainfed condition Code: 240AG01(K)
III.	**Thematic Area:**	Crop Reside management
IV.	**Problem diagnosed:**	Low yield from the existing old variety
V.	**Important Cause:**	
VI.	**Production system:**	
VII.	**Micro farming system:**	Medium land Rice-greengram farming situation
VIII.	**Technology for Testing:**	T O1 - Rice variety- Kalinga Dhan-1203 T O 2 Rice variety- Kalinga Dhan-1204 T O 3 Rice variety- Kalinga Dhan-1205
IX.	**Existing Practice:**	
X.	**Hypothesis:**	
XI.	**Objective(s):**	
XII.	**Treatments:**	
	Farmers Practice (FP):	Rice variety- Lalat
	Technology option-I (TO-I)	Rice variety- Kalinga Dhan-1203
	Technology option-II (TO-II)	Rice variety- Kalinga Dhan-1204
	Technology option-II (TO-III)	Rice variety- Kalinga Dhan-1205
XIII.	**Critical Inputs:**	
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	07
XVI.	**Unit Cost:**	
XVII.	**Total Cost:**	
XVIII.	**Monitoring Indicator:**	
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OUAT Annual Report -2022 OUAT Annual Report -2022 OUAT Annual Report -2022

OFT-3 (Soil Sc.)

I.	**Season:**	Kharif 2024
II.	**Title of the OFT:**	Assessment of integrated nutrient management in Kewda, Code: 24OSS06(K)
III.	**Thematic Area:**	INM
IV.	**Problem diagnosed:**	Farmers are getting low flower yield due to non supplementation of nutrient
V.	**Important Cause:**	Imbalance use of nutrient
VI.	**Production system:**	Kewda
VII	**Micro farming system:**	Kharif, irrigated-medium land.
VII	**Technology for Testing:**	
IX.	**Existing Practice:**	Application of FYM @ 20 kg /pit/ year and no application of fertilizer

X.	**Hypothesis:**	Application of balanced nutrient enhances flower yield
XI.	**Objective(s):**	To increase productivity of the Kewda
XII	**Treatments:**	
	Farmers Practice (FP):	Application of FYM @ 20 kg /pit/ year and no application of fertilizer
	Technology option-I (TO-I)	STD(NPK) + FYM @ 10 kg/ pit twice
	Technology option-II (TO-II)	STD(NPK) + FYM @ 10 kg/pit twice +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 (RDF=50:25:25 g NPK/plant)
XII	**Critical Inputs:**	consortia bio-fertilizers and NPK
XIV	**Unit Size:**	1.0 ha
XV	**No of Replications:**	7
XV	**Unit Cost:**	4000
XV	**Total Cost:**	28000
XV	**Monitoring Indicator:**	No. of flower/plant, length and weight of flower, soil testing values before and after crop
XI	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	**Source:**: AICRP on medicinal and aromatic plants, OUAT, 2015-16 **Source**:: AINP on soil biodiversity-Biofertiliser, OUAT, 2018-19

OFT-4 (Soil Sc.)

I.	**Season:**	Rabi 2024-25
II.	**Title of the OFT:**	Assessment of integrated nutrient management in ridge gourd , Code-23OSS02(R)
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
VII	**Micro farming system:**	Rabi, irrigated-medium land.
VII	**Technology for Testing:**	Assessment of integrated nutrient management in ridge gourd
IX.	**Existing Practice:**	Application of N-P_2O_5-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
XII	**Treatments:**	
	Farmers Practice (FP):	Application of N-P_2O_5-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.

XII	**Critical Inputs:**	Biofertiliser, Vermicompost
XIV	**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)

	Season:	Kharif – 2024
i.	**Title of the OFT:**	Assessment of different management practices for YSB and Leaf folder in Rice, Code: 24OPP01(K)
ii.	**Thematic Area:**	IPM
iii.	**Problem diagnosed:**	Low yield due to heavy infestation of yellow stem borer and leaf folder as regular pest in rice
iv.	**Important Cause:**	YSB and Leaf folder
v.	**Production system:**	Rice - Pulse
vi.	**Micro farming system:**	Irrigated-medium land,
vii.	**Technology for Testing:**	TO1: Foliar spray of Flubendiamide 20% WG @ 125 g/ha at the vegetative phase and at flowering stage TO2: Foliar spray with Tetraniliprole 20SC @ 250 ml/ha at 25, 45 and 65 DAT TO3: Soil application twice of (Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G) @ 7.5 kg/ha at 30 DAT and PI stage
viii.	**Existing Practice:**	
ix.	**Hypothesis:**	All technology will pest infestation in rice
x.	**Objective(s):**	To reduce the pest infestation and enhance the yield.
xi.	**Treatments:**	
	Farmers Practice (FP):	Foliar spray with (Chlorpyriphos + Cypermethrin) 1 l/ha @ or Profenophos @1l/ha
	Technology option-I (TO-I):	Foliar spray of Flubendiamide 20% WG @ 125 g/ha at the vegetative phase and at flowering stage
	Technology option-II (TO-II): and so on……	Foliar spray with Tetraniliprole 20 % SC @ 250 ml/ha at 25, 45 and 65 DAT
	Technology option-III (TO-III): and so on……	Soil application twice of (Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G) @ 7.5 kg/ha at 30 DAT and PI stage
xii.	**Critical Inputs:**	Flubendiamide 20% WG, Tetraniliprole 20 % SC and Cartap hydrochloride 7.5% + Emamectin benzoate 0.25% G
xiii.	**Unit Size:**	1ha
xiv.	**No of Replications:**	07

xv.	**Unit Cost:**	2500
xvi.	**Total Cost:**	17500
xvii.	**Monitoring Indicator:**	DH%, WEH%, leaf folder infestation %, egg mass/ hill
xviii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	Dept. of Entomology, OUAT – 2023 AICRP on Rice, Chiplima - 2023 RRTTS, Ranital, OUAT - 2023

OFT-6 (Plant Protection)

i.	**Season:**	Rabi 2024-25
ii.	**Title of the OFT:**	Assessment of fruit fly management in Ridge gourd, Code: 23OPP09(R)
iii.	**Thematic Area:**	IPM
iv.	**Problem diagnosed:**	Leaf discoloration , Stunted growth & low yield
v.	**Important Cause:**	Sucking pest
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 pest infestation in Ridge gourd
xi.	**Objective(s):**	To reduce the pest infestation and enhance the yield
	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
xii.	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,Ralab.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 2024-25
ii.	**Title of the OFT:**	Assessment of economic performance of different species in Biofloc system 23OFS01(Y)
iii.	**Thematic Area:**	Production and management
iv.	**Problem diagnosed:**	Low yield and economic loss from the existing system
v.	**Important Cause:**	Improper species and floc management control measures
vi.	**Production system:**	BIOFLOC production system, Intensive farming
vii.	**Micro farming system:**	Backyard
viii.	**Technology for Testing:**	Testing of different species suitable in Biofloc system
ix.	**Existing Practice:**	Indiscriminate floc management and species selection
x.	**Hypothesis:**	Both species selection and floc management is key to success of biofloc fish farming
xi.	**Objective(s):**	To find-out the suitable fish species in terms of production and economics in Biofloc farming system. To establish the effectiveness of floc management To validate the result in different locations.
xii.	**Treatments:**	
	Farmers Practice (FP):	Stocking Vietnam koi @ 100 per m^3
	Technology option-I (TO-I):	Tilapia fingerlings @ 100 per m^3
	Technology option-II (TO-II):	Singhi fingerlings @ 150 per m^3
xiii.	**Critical Inputs:**	Fish fingerlings
xiv.	**Unit Size:**	15,000 lt capacity (1 Unit)
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	1750
xvii	**Total Cost:**	12250
xvii	**Monitoring Indicator:**	ABW (gm), Survivability (%), Yield, Income, B:C Ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	Technical Bulletin (NFDB, 2018)

OFT-8 Fishery Science

i.	**Season:**	Kharif 2024
ii.	**Title of the OFT:**	Assessment of wet feeds on growth performance of mud crab (*Scylla serrata)* fattening, Code-24OFS02(Y)
iii.	**Thematic Area:**	Production management

iv.	**Problem diagnosed:**	Indiscriminate feeding and low weight gain during culture period
v.	**Important Cause:**	Mortality and cannibalism; Less growth in stipulated time
vi.	**Production system:**	Brackish water production system
vii.	**Micro farming system:**	Irrigated/Rain-fed Extensive.
viii.	**Technology for Testing:**	Recommended stocking density with feeding management
ix.	**Existing Practice:**	Crab culture
x.	**Hypothesis:**	Fattening of the soft shell crab with optimum feeding can lead to required weight gain and less mortality
xi.	**Objective(s):**	To find out the alternative cheap source of protein feed for crab farming/fattening
xii.	**Treatments:**	
	Farmers Practice (FP):	Indiscriminate feeding of trash fish
	Technology option-I (TO-I):	Feeding with Chicken waste (Viscera mass) @10-6 % Body weight
	Technology option-II (TO-II):	Feeding with low value fish@10-6% B wt.
xiii.	**Critical Inputs:**	Trash fish / Chicken viscera mass
xiv.	**Unit Size:**	0.04-0.2 ha
xv.	**No of Replications:**	05
xvi.	**Unit Cost:**	2800
xvii	**Total Cost:**	14000
xvii	**Monitoring Indicator:**	Average body weight (BW), Carapace width (CW) & Weight gain (WG), Survibility (%), Yield (q/ha), B:C ratio, Salinity, pH, DO2,, Hardness, Alkalinity
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	KUFOS, 2023, CIBA, 2022

OFT-09 Agriculture Extension

I.	**Season:**	Kharif 2024
II.	**Title of the OFT:**	Assessment of suitable marketing strategies for better marketing of high value crops, **Code:.23OEE05(Y)**
III.	**Thematic Area:**	Marketing management
IV.	**Problem diagnosed:**	Lack of proper market avenues.
V.	**Important Cause:**	Traditional marketing through Haat consumes more time and reduce extra benefits
VI.	**Production system:**	Vegetable
VII.	**Micro farming system:**	-
VIII.	**Technology for Testing:**	Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the

		produce (Fresh / sweetness / organic etc.) with catchy captions and picture to attract the costumers
IX.	**Existing Practice:**	Traditional marketing through in local market /Haat
X.	**Hypothesis:**	**TO_1**: Sell to local traders at the farm gate/local Haat **TO_2**: Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the produce (Fresh / sweetness / organic etc.) with catchy captions and picture to attract the costumers
XI.	**Objective(s):**	To create market avenues near the farm to reduce the time consume and hues net profit near the farm
XII.	**Treatments:**	
	Farmers Practice (FP):	Traditional marketing through in local market /Haat
	Technology option-I (TO-I)	Sell to local traders at the farm gate
	Technology option-II (TO-II)	Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the produce (Fresh / sweetness / organic etc.) with catchy captions and picture to attract the costumers
	Technology option-III (TO-III)	
XIII.	**Critical Inputs:**	Banner
XIV.	**Unit Size:**	-
XV.	**No of Replications:**	15
XVI.	**Unit Cost:**	300
XVII.	**Total Cost:**	4500
XVIII.	**Monitoring Indicator:**	Quantity of produce, price at local market, traders price, gate sale price, Quantity sold by different methods, Feedback of customers on the banner, quality of the produce
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	-

OFT-10 Agriculture Extension

I.	**Season:**	Rabi 2024-25
II.	**Title of the OFT:**	Assessing efficacy of different channels to get appropriate technology from reliable sources Code:.24OEE04(Y)
III.	**Thematic Area:**	Marketing management
IV.	**Problem diagnosed:**	Non availability of appropriate technology at farmers door step which needs immediate attention in non accessible areas .
V.	**Important Cause:**	
VI.	**Production system:**	
VII.	**Micro farming system:**	-
VIII.	**Technology for Testing:**	Assessing efficacy of different channels to get appropriate technology from reliable sources
IX.	**Existing Practice:**	F-F extension
X.	**Hypothesis:**	**TO_1 : Print media** **TO_2 : Mobile message from govt sources** **TO_3 : Blackboard technology**

XI.	**Objective(s):**	
XII.	**Treatments:**	
	Farmers Practice (FP):	F-F extension
	Technology option-I (TO-I)	**Print media**
	Technology option-II (TO-II)	**Mobile message from govt sources**
	Technology option-III (TO-III)	**Blackboard technology**
XIII.	**Critical Inputs:**	Banner
XIV.	**Unit Size:**	**-**
XV.	**No of Replications:**	-
XVI.	**Unit Cost:**	300
XVII.	**Total Cost:**	4500
XVIII.	**Monitoring Indicator:**	Timely Availability/ delivery of technology, suitability of technology, ease in handling, Complexity, cost of technology
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	-

*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 2023-24	Proposed date during 2024-2025
27 12.2023	December 24

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 31.03.2024	Expected fund requirement (Rs.)
Contingency	998800	1500000
SCSP	1599790	2000000
NON RECURRIING	165000	500000
TA	150000	200000
HRD	30000	30000
LIBRARY	10000	20000
CFLD(OIL SEED)	48800	100000
Total	**3002390**	**4350000**

* 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