ACTION PLAN
2024-25

KRISHI VIGYAN KENDRA, PURI

ODISHA UNIVERSITY OF AGRICULTURE &TECHNOLOGY

ICAR ATARI, KOLKATA

At/PO: Sakhigopal, District: Puri, Odisha, PIN: 752014

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REVISED PROFORMA FOR ACTION PLAN 2024-25

1. Name of the KVK:

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2.Name of host organization:

Address	**Telephone**		**E mail**
	Office	**FAX**	
Orissa University of Agriculture & Technology Bhubaneswar-751003 Odisha, India.	(0674)-2397970/ 2397818/ 2397719/ 2397669 / 2397719 / 2397919 / 2397868		registrarouat@gmail.com

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

(a) Farmers and farmwomen

Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Agronomy														
ICM	Training on deep water rice varieties	1	1	Off	July									30
INM	Training on green and brown manuring in rice	1	1	Off	Aug									30
IWM	Training on IWM in rice	1	1	Off	Aug									30
INM	Training on Nitrogen management by LCC in Rice	1	1	Off	Sept									30
IWM	Integrated Nutrient Management in Green gram	1	1	Off	Sept									30
ICM	Training on weed management in maize	1	1	Off	Oct									30

INM	Integrated nutrient management in sunflower	1	1	Off	Oct									30
INM	Training on integrated nutrient management in Groundnut	1	1	Off	Nov									30
INM	Nutrient management in finger millet	1	1	Off	Nov									30
INM	Seed treatment in pulse crop through microbial culture	1	1	Off	Jan									30
Soil testing	Training on methods of Soil sample collection, processing of soil sample and testing of different nutrient by Mrida Parikshyak	1	1	Off	Jan									30
INM	Training on deficiency symptoms of micronutrients and their management	1	1	Off	Feb									30
Horticulture														
HOV	Agro techniques for Okra	1	1	Off	July									30
HOV	Agro-techniques for Chilli cultivation	1	1	Off	Aug									30
HOV	Off-season Tomato cultivation	1	1	Off	Aug									30
HOV	Management of vegetable nursery	1	1	On	Sept									30
HOV	INM in Cole crops	1	1	On	Sept									30
HOV	Use of growth regulators in	1	1	On	Oct									30

	vegetables													
HOV	Agro-techniques for Bitter gourd cultivation	1	1	Off	Nov									30
HOV	Package of practices for pointed gourd cultivation	1	1	Off	Dec									30
HOV	Agro techniques of okra cultivation	1	1	Off	Jan									30
HOV	Production technology of pod vegetables	1	1	On	Jan									30
HOV	Package of practices for Brinjal cultivation	1	1	Off	Feb									30
Plant Protection														
Integrated Pest Management	Management of Stem Borer in Summer rice	1	01	off	Jan.									30
Integrated Pest Management	BPH / WBPH management in rice	1	01	off	Aug.									30
Integrated Disease Management	Management of Sheath blight in rice	1	01	off	Sept.									30
Integrated Disease Management	Management of leaf minor in tomato	1	01	off	November									30
Integrated Pest Management	IPM measures for management YMV in Greengram	1	01	off	Feb.									30
Integrated Disease Management	Integrated management of Rhinocerus beetle and red palm weevil in coconut	1	01	off	March									30
Integrated Disease Management	Management of vine rot in betel vine	1	01	off	June									30
Integrated Disease	Management of Tikka disease in	1	01	off	November									30

Management	Groundnut													
Integrated Pest Management	IPM measures for management of sucking pest in chilli	1	01	off	December									30
Integrated Pest Management	IPM measures for management of shoot and fruit borer in Brinjal	1	01	off	Sept.									30
Integrated Pest Management	Management of spiraling white fly	1	01	off	May									30
Integrated Disease Management	Integrated management of Panama wilt in Banana	1	01	off	Oct									30
Agril. Engineering														
Farm Mechanization	Use of pre germinated Paddy drum seeder for wet DSR	1	01	off	July									30
Farm Mechanization	Training on MAT type nursery raising for using manual and mechanical Transplanters	1	01	off	July									30
Farm Mechanization	Use of mini Pan evaporimeter for on-farm irrigation scheduling in Rice	1	01	off	August									30
Farm Mechanization	Operation and maintenance of Seed cum fertilizer drill for sowing Greengram	1	01	off	October									30
Farm Mechanization	Operation and maintenance of Seed cum fertilizer drill for sowing Groundnut	1	01	off	December									30
Micro Irrigation	Drip irrigation system and its maintenance	1	01	off	December									30
Farm Mechanization	In situ straw management using tractor drawn Baler	1	01	off	January									30

Farm Mechanization	Operation & maintenance of Post hole Digger	1	01	off	August									30
Drudgery reduction	Use of small tools and farm implements for drudgery reduction of farm women	1	01	off	October									30
Farm Mechanization	Operational procedure of coconut dehusker	1	01	off	September									30
Irrigation water management	Irrigation scheduling in field crops and vegetable crops	1	01	off	December									30
Food processing	Operation and maintenance of Pulverizer	1	01	off	February									30
Fishery														
Biofloc Farming	Package of practices for biofloc fish farming	1	01	Off	May									30
Composite fish culture	Pre stocking and post stocking pond management	1	01	Off	June									30
Composite fish culture	Composite fish culture	1	01	Off	June									30
Composite fish culture	Multiple stocking and multiple harvesting method in IMC culture	1	01	Off	July									30
Disease management	Fish diseases and their management	1	01	Off	September									30
Composite fish culture	Carp poly culture with freshwater prawn	1	01	Off	September									30
Crab fattening	Recent advances in BW crab culture	1	01	Off	October									30
Integrated Farming	Integrated fish Farming	1	01	Off	October									30
Composite fish culture	Intercropping of Minor carps & barbs in composite carp culture	1	01	Off	December									30
Feeding management	Artificial Feeding	1	01	Off	December									30

	management in carp culture													
Composite fish culture	Composite carp culture in community tank by WSHGs	1	01	Off	January									30
Composite fish culture	Breeding and seed production of Amur carp in village ponds	1	01	Off	January									30
Composite fish culture	Adverse aquatic environment of fish ponds & its remedial measures	1	01	Off	February									30
Home science														
Nutritional Security	Enhancing Nutritional status of Farm Women through Nutrition education	1	1	Off	September									30
Nutritional Security	Cultivation of bio-fortified sweet potato variety Bhu Sona for nutritional security of farm family	1	1	Off	September									30
Nutritional Security	Principles and Practices of Natural Farming in Nutritional Garden	1	1	Off	August									30
Value addition	Oyster Mushroom value addition (Pickle)	1	1	Off	January									30
Production of organic inputs	Production technique of vermicompost from spent mushroom substrate	1	1	On	November									30
Income Generation	Oyster Mushroom Cultivation	1	1	On	November									30

Income generation activity for empowerment of rural women	Cultivation practices of Tulsi in backyard	1	1	On	December									30
Income Generation	Empowering Rural Women with Climate-Resilient Farming Practices and Technologies	1	1	On	February									30
Value addition	Preparation of Nutri cereal cookies	1	1	Off	October									30
Income generation activities for empowerment of rural Women	Back yard poultry rearing in semi-intensive system	1	1	Off	January									30
Enterprise development	Brooding management in chicks	1	1	Off	July									30
Enterprise development	Paddy straw Mushroom cultivation using crumpled straw	1	1	Off	August									30
Location specific drudgery reduction technologies	Enhancing Efficiency: Women-Friendly Tools for Drudgery Reduction	1	1	Off	June									30
Total														**2160**

(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**
Agronomy														
Composting method	Training on methods of preparation & use	1	2	On	Feb									20

	of organic inputs													
Bio-fertilizer	Training on BGA and Azolla cultivation	1	2	On	Mar									20
Horticulture														
HOV	Protected cultivation of vegetable	1	2	On	Feb									20
HOV	Commercial nursery raising of vegetable	1	2	On	Mar									20
Plant Protection														
Production of bio control agents and bio pesticides	Production of bio pesticide	1	02	On	October									20
Production of bio control agents and bio pesticides	Preparation of botanical pesticides & ITKs	1	02	On	January									20
Agril. Engineering														
Farm Mechanization	Custom hiring of Self propelled Paddy Reaper	1	02	On	November									20
Post harvest management	Operation & maintenance of Rice mill, Dalmill and Oilmill	1	02	Off	January									20
Fishery														
Production and management	Round the year fish seed production technology	1	2	On	August									20
Production and management	Ornamental fish (Egg layers) breeding technology	1	2	On	August									20
Production and management	Vocational training for fish seed producers	1	5	On	February									20
Home science														
Value addition	Preparation of value-added products from millet	1	2	Off	October									20
Beekeeping	Scientific management of	1	2	On	September									20

	Apis cerena indica for empowering beekeepers													
Mushroom Production	Mushroom Spawn Production	1	5	On	September									10
Total		**14**												**290**

(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**
Agronomy														
Chemical weed management	Different types of new generation herbicide for weed	1	1	On	January									20
Soil Health Management	Management of problem soil in the district	1	1	On	February									20
Horticulture														
HOV	Physiological disorders in vegetables	1	1	On	February									20
Plant Protection														
IDM	Integrated disease and pest management in Paddy	1	02	Off	Sept									20
IPM	Fruit fly management in gourds	1	02	On	Dec									20
Agril. Engineering														
Farm mechanization	Improved farm machineries for resource conservation	1	01	Off	December									20
Farm Mechanization	Safety precautions while using tractor and power tiller	1	01	On	February									20
Fishery														
Biofloc fish farming	Fish seed production in biofloc system	1	02	On	July									20
Production & management	Recent advances in freshwater aquaculture	1	02	On	October									20
Home science														

Women and Child care	Nutritional & Health Benefits of millets	1	1	Off	November								20	20
Income generation	Empowering Women Farmers: Advanced Techniques for Sustainable Agriculture	1	1	On	February								20	20
Total		**11**												**220**

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

Farmers and Farm women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	4												120
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1												30
Fodder production													
Production of organic inputs													
Integrated Nutrient Management	4												120
Ecosystem protection	1												30
TOTAL	**10**												**300**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	2												60
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1												30
Nursery raising	1												30
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Protective cultivation (Green Houses, Shade Net etc.)													
Integrated crop management	7												210
TOTAL	**11**												**330**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	1												30
Others, if any													
TOTAL	**1**												**30**
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	1												30
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development	1												30
Value addition	4												120
Income generation activities for empowerment of rural Women	5												150
Location specific drudgery reduction technologies	1												30
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	1												30
TOTAL	**13**												**390**
VI. Agriculture Engineering													
Installation and maintenance of micro irrigation systems	2												60
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	6												180
Small scale processing and value addition													
Post Harvest Technology	2												60
Others, if any	2												60
TOTAL	**12**												**360**
VII. Plant Protection													
Integrated Pest Management	6												180
Integrated Disease Management	6												180
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**12**												**360**
VIII. Fisheries													
Integrated fish farming	2												60
Carp breeding and hatchery management	1												30
Carp fry and fingerling rearing													
Composite fish culture & fish disease	3												90
Fish feed preparation & its application to fish pond, like nursery,													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1												30
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													
Fish processing and value addition													
Others, if any	5												150
TOTAL	**13**												**390**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**72**												**2160**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1												10
Bee-keeping	1												20
Integrated farming													
Seed production													
Production of organic inputs	4												80
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1												20
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1												20
Custom hiring of agricultural implements	1												20
Nursery Management of Horticulture crops	1												20
Training and pruning of orchards													
Value addition	1												20
Production of quality animal products													
Dairying													
Sheep and goat rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1												20
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish seed production	2												40
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**14**												**270**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													

Integrated weed Management	1												20
Integrated Pest Management	1												20
Integrated disease Management	1												20
Integrated Nutrient management													
Soil Health Management	1												20
Rejuvenation of old orchards													
Physical deformity in vegetables	1												20
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Micro irrigation	1												20
Safe use of farm machineries	1												20
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care	1												20
Low cost and nutrient efficient diet designing													

Production and use of organic inputs													
Gender mainstreaming through SHGs	1												20
Crop intensification													
Bifloc fish farming	1												20
Brackish water aquaculture	1												20
TOTAL	**11**												**220**

4. Frontline demonstration to be conducted*

FLD1: Demonstration on weed management in rice (Code: 23FAG03 (K))

Crop: Rice

Thrust Area: Weed Management
Thematic Area: Weed Management
Season: *Kharif* , 2024
Farming Situation: Rainfed Low & medium

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	**Rice**	2 ha	Application of Cyhalofopbutyl + Penoxulam @ 135g ai/ha at 20 DAT	WCE, WI, Weed counts/m^2, yield, economics												10

Extension activities under FLD on Rice

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on weed management in Rice	1	Farmer /FW	1	Off									30

FLD2: Demonstration on weed management in maize (Code: 23FAG11(K/R))

Crop: Maize

Thrust Area: Weed Management
Thematic Area: Weed management
Season: *Rabi* 2024
Farming Situation: Rainfed up land

	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
2	**Maize**	2 ha	Post emergence application of Tembotrione 100g/ha + Atrazine 500g/ha at 20 DAS+ one hand weeding at 40DAS	WCE, WI, Weed counts/m2, No of cobs/pant, No of seeds/cob, yield, Economics												10

Extension activities under FLD on Maize

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day weed management in Maize	1	Farmer/FW	1	Off									30

FLD3: Demonstration on integrated nutrient management in Sunflower (Code: 24FAG19(R))

Crop: Sunflower

Thrust Area: Nutrient Management

Thematic Area: INM

Season: *Rabi*-2024

Farming Situation: Rainfed up & Medium land

Farmers Practice: Improper use of fertilizer

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
3	Sunflower	2.0 ha	STB fertiliser application (RDF: 60-80-60 kg N: P_2O_5: K_2O/ha) + $ZnSO_4$ @ 25 kg/ha + Borax @10 kg/ha + Biofertilizer (Azotobacter +Azospirillum + PSB 1:1:1 @4 kg /ha each) incubated with FYM for 7 days/ha at 20 DAS	Plant height, head size, filled seeds/head, test weight, seed yield and oil yield, pH, Ec, OC, Seed yield and oil yield	Micronutrient & biofertilizer											10

Extension and Training activities under FLD on Tomato

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on sunflower	1	Farmer/FW	1	Off									30

FLD4: Demonstration on groundnut HYV "Kalinga groundnut-101" (Code: 23FAG14(K/R))

Crop: Groundnut

Thrust Area: Varietal Substitution
Thematic Area: Varietal Substitution
Season: *Rabi* 2023
Farming Situation: Rainfed Medium & 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
4	Groundnut	1.0	Cultivation of groundnut HYV "Kalinga ground nut-101"	Plant height, No of leafs/plant No. of pods/plant, Yield and 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
Field day	Field day on Groundnut hybrid "Kalinga ground nut-101"	1	F/FW	1	Off									50

FLD5: Demonstration on foliar application of PGR in chilli (Code: 23FHO35(R))

Crop:**Chilli**

Thrust Area: vegetable production
Thematic Area: ICM
Season: *Kharif*, 2023
Farming Situation: Irrigated upland

SL.	Crop & variety /	Proposed Area	Technology package for demonstration	Parameter (Data) in relation to	Cost of Cultivation (Rs.)	No. of farmers / demonstration

No	Enterprises	(ha)/ Unit (No.)		technology demonstrated	Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chilli	1 ha	Spray of Triacontanol @ 1.25ml/liter at 40, 60 and 80th days of planting.	No. of fruits /plant, Yield of Fruits/plant Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on Chilli

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on chilli	1	Farmer /FW	1	Off									50
Farmer's training	Agro-technique for chilli cultivation	1	Farmer /FW	1	Off									25

FLD6: Demonstration on weed management in okra (Code: 23FHO36(R))

Crop: **Okra**
Thrust Area: Vegetable cultivation
Thematic Area: Weed management
Season: *Rabi*, 2023
Farming Situation: Irrigated up land

	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
2	Okra	1 ha	Pendimethalin @750 g a.i /ha.as pre- emergence followed by one hand weeding	Weed count Weed control index Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on Okra

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on okra	1	Farmer/FW	1	Off									50
Farmer's training	Argo-technique for okra cultivation	1	Farmer/FW	1	Off									25

FLD7: Demonstration on application of PGR in tomato (Code: 23FHO37(K/R))

Crop: **Tomato**

Thrust Area: vegetable production

Thematic Area: ICM

Season: *Rabi*-2023

Farming Situation: Irrigated up land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
3	Tomato	1.0 ha	Spray of PGRs comprising of NAA@15ppm + Salicyclic Acid	No of fruit/plant Yield of fruit/plant Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on Tomato

Activity	Title of activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T

Field day	Field day on tomato	1	Farmer/FW	1	Off									50
Farmer's training	Off-season Tomato cultivation	1	Farmer/FW	1	Off									25

FLD8: Demonstration on INM in bitter gourd (Code: 23FHO38(K/R))

Crop: Bitter gourd
Thrust Area: vegetable cultivation
Thematic Area: INM
Season: *Rabi* 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
4	Bitter gourd	1.0	STBF + vermicompost (2.5 ton/ha)+Azotobator:Azospirillum:PSB@1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days)	No. of fruits /plant, fruit weight Yield, B:C 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
Field day	Field day on bitter gourd	1	F/FW	1	Off									50
Farmer's training	Package of practices for bitter gourd	1	F/FW	1	Off									25

	cultivation													

FLD9: Demonstration on integrated management of thrips and mite in Chilli (Code:24FPP22(K/R))

Crop: Chilli

Thrust Area: To reduce the pest infestation

Thematic Area: IPM

Season: Rabi, 2024-25

Farming Situation: Rainfed medium land

Farmers Practice:

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	10 1 ha	Soil application of Neem cake @ 2.5 q/ha, installation of blue sticky traps @ 50 nos/ha at 25 DAT, alternate application of Difenthiuron 50WP @ 625 g/ha and Spiromesifen 240 SC @ 500 ml/ha at 10 days interval starting from 30 DAT	Mean population of mites & thrips/ 3 leaves, Infested plants/10 m^2, Cost of intervention, Yield, ICBR												

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	Integratedmanagement of thrips and mite in Chilli	1	F&FW	01	Off									50

FLD10: Demonstration on integrated management of fruit fly in Bitter gourd (Code:24FPP25(R))

Crop: Bitter gourd

Thrust Area: To reduce yield loss due to vine rot

Thematic Area: IDM

Season: Rabi 2024-25

Farming Situation: Low land irrigated

Farmers Practice:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Bitter gourd	0.4ha (10)	Food Bait (*Mixture of cucumber fruit pulp 100 g + 100 ml cow urine + 100 g jaggery + 0.5 l water kept for overnight and diluted in 15 l water*) to be placed 5 times at weekly interval from initiation of fruiting, installation of Pheromone	No. of infested fruits/plant, Cost of intervention, Yield,ICBR												

			traps @ 25/ha at 30 DAG followed by spraying of Spinosad 45 SC @ 200 ml/ha thrice at 15 days interval from initiation of flowering													

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	Management of vine rot in betel vine	1	01	off	June									25

FLD11 : Demonstration in management of sheath blight in rice (Code: 23FPP03(K))

Crop: Rice

Thrust Area: To reduce yield loss due to sheath blight

Thematic Area: IDM

Season: Kharif 2024

Farming Situation: Low land irrigated

Farmers Practice: Spraying of copper oxychloride @ 2.5 g/lit for management of sheath blight

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T

1	Rice		Spraying of the combination fungicide Azoxystrobin 18.2 % + Difenconazole 11.4 % @ 1ml/lit twice at 15 days interval starting from initiation of the infection	Disease incidence %, Yield (q/ha), 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	Management of sheath blight in rice	1	01	off	Sept									25

FLD12 : Demonstration on integrated management of leaf miner in tomato (Code: 23FPP23(R)*)

Crop: Tomato

Thrust Area: To reduce yield loss due to leaf miner

Thematic Area: IPM

Season: Rabi 2024-25

Farming Situation: Low land irrigated

Farmers Practice:

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															

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue	No. of Participants		

					On/Off	SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Management of leaf miner in tomato	1	01	off	Oct									25

FLD13: Demonstration of Post hole digger for establishment of trellis in Pointed gourd (Code: 24FAE05(R))

Crop: Pointed gourd

Thrust Area: Popularization of self-propelled digger for annual & perennial crops

Thematic Area: Farm mechanization

Season: Rabi, 2024-25

Farming Situation: Rainfed Upland

Farmers Practice- Digging holes by Phawra

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	1ha	FP - Digging holes by Phawra RP - Post hole Digger having 1.0hp petrol motor with auger size varies from 4'' -12''	Field capacity – No. of holes/ h, Labour requirement – MDs/ha, Cost of operation – 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
Farm Mechanization	Operation & maintenance of Post hole Digger	1	01	off	February									30
Field day	Post hole digger for establishment of	1	F&FW	01	Off									50

	trellis in Pointedgourd													

FLD14: Demonstration of Power operated Coconut dehusker (Code:24FAE04(K))

Crop:Coconut

Thrust Area: Post harvesting management of coconut

Thematic Area: Farm Mechanization

Season: Kharif, 2024

Farming Situation: Irrigated upland

Farmers Practice: Manual dehusking by billhook

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	Coconut	1.0ha	FP - Manual dehusking by billhook RP - .5hp electric motor is fitted to dehusk the coconut	Dehusking efficiency, time requirement , cost of dehusking, working capacity												5

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 operation of Power operated Coconut dehusker	1	F&FW	1	Off									25
Field day	Demonstration of Power operated Coconut dehusker	1	F&FW	1	Off									50

FLD15: Demonstration of drip irrigation with mulching in Tomato (Code: 24FAE02(R))

Crop: Tomato

Thrust Area: Enhancement of yield & WUE

Thematic Area: Micro Irrigation

Season: Rabi, 2024-25

Farming Situation: Irrigated medium land

Farmers Practice-No mulching with furrow irrigation

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	0.4ha	**FP** - No mulching with furrow irrigation **RP** - Use of 50 micron mulch film with inline drip irrigation (emitter discharge 2lph) operating for 1hr -2hr daily and Water use efficiency will be increased by 30-40%, yield enhancement (15-20)%	Irrigation interval, weeding cost, Irrigation water used (mm)												2

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	Micro Irrigation system management	1	F&FW	1	Off									25

FLD16: Demonstration of Tractor drawn Seed cum fertilizer drill for sowing of groundnut (Code: 23FAE16(R))

Crop:Groundnut

Thrust Area: Popularization of tractor drawn seed cum fertilizer drill for maintaining optimum plant population

Thematic Area: Farm Mechanization

Season:Rabi, 2024-25

Farming Situation: Rainfed lowland

Farmer Practice: Sowing of Groundnut behind the bullock drawn plough

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Groundnut	2.0ha	**FP:** Sowing of Groundnut behind the bullock drawn plough **RP** -Use of Tractor drawn 9-row Seed cum fertilizer drill for sowing of Groundnut.	Yield, Labour saving, Plant population per sq.m, Net return, B:C 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
Training	Operation and maintenance of Seed cum fertilizer drill for sowing groundnut	1	F/FW	1	off									25

FLD17: Demonstration of bio-fortified sweet potato variety Bhu Sona for nutritional security of farm family (Code: 23FHS16(K)*)

Crop: Sweet Potato

Thrust Area: Vegetable production

Thematic Area: Nutritional Security

Season: Kharif
Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sweet Potato	0.2	FP-Local Variety RP- Cultivation of bio-fortified sweet potato variety Bhu Sona	Yield, Net Income, BC ratio, Sensory evaluation	Sweet Potato seedlings									0	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Field Day on Cultivation of bio-fortified sweet potato variety Bhu Sona	1	F&FW	01	Off									40
Training	Cultivation of bio-fortified sweet potato variety Bhu Sona	1	F&FW	01	Off									30

FLD18: Demonstration on comb honey production technology in Asian bee for income generation of farmwomen (Code: 24FHS02(K/R))

Enterprise: Honey Bee-*Apis cerena indica*
Thrust Area: To emphasize on entrepreneurship development
Thematic Area: Income generation
Season: Rabi
Farming Situation: Homestead

Sl. No.	Crop & variety /	Proposed Area	Technology package for	Parameter (Data) in	Cost of Cultivation (Rs.)			No. of farmers / demonstration			
					Name of	Demo	Local	SC	ST	Other	Total

	Enterprises	**(ha)/ Unit (No.)**	**demonstration**	**relation to technology demonstrated**	**Inputs**			**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1	Honey Bee	10	FP: Honey production by manual extraction RP: Selection area for comb honey production, maintenance of young prolific queen with populous colony in a hive with ISI specification particularly w.r.t bee space, training and stimulating the bees to construct new natural combs, fixing new comb in comb honey production frame and fixing it with wooden or	Honey yield (g/comb), No. of comb honey/hive, Duration of comb sealed cent percent honey (Days)	Plastic frames for comb honey									5	5	10

			plastic ISI specified frame size (208X65X23 mm), collection of comb honey frames when sealed cent percent in super chamber.													

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Field day on comb honey production technology in Asian bee	1	F&FW	01	Off									50
Training	Scientific Honey Bee rearing	1	RY	02	On									20

FLD19: Demonstration of Tulsi Var. CIM-Ayu for income generation (Code: 23FHS13 (K/R))

Crop: Tulsi

Thrust Area: Varietal substitution for better yield

Thematic Area: Income generation

Season: Round the year

Farming Situation: Irrigated medium land

Sl.	Crop &	Proposed	Technology	Parameter	Cost of Cultivation (Rs.)	No. of farmers / demonstration

No.	variety / Enterprises	Area (ha)/ Unit (No.)	package for demonstration	(Data) in relation to technology demonstrated	Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Tulsi	10 0.04	RP: Cultivation of Tulsi Var. CIM-Ayu FP: Cultivation of Local Var. Tulsi	Herbage Yield -kg/plant	Tulsi Seedlings											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Field day on Tulsi cultivation	1	F&FW	01	Off									40
Training	Cultivation of Tulsi in backyard	1	F&FW	01	Off									30

FLD20: Demonstration on poultry breed Kalinga Pallishree in backyard (Code: 23FAS01(R)*)

Breed: **Poultry- Kalinga Pallishree**
Thrust Area: To emphasize on entrepreneurship development
Thematic Area: Income generation
Season: Round the year
Farming Situation: Semi intensive poultry farming. Backyard, Free ranging

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 (1000 chicks)	FP-Rearing of Vana raja breed without proper management	Average Body weight in 6months in (Kg), No. of egg, chicks'	Poultry Chick, feed									0	10	10

			RP-Rearing of Kalinga Pallishree chicken breed with proper brooding management for 21 days followed by free range feeding	mortality												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Field Day on Backyard poultry management	1	F&FW	01	Off									40
Training	Semi-intensive backyard Poultry management	1	F&FW	01	Off									30

FLD21: Demonstration of mixed carp stunted fingerlings production in biofloc culture system (Code: 23FFS11(K))

Crop: Fish

Thrust Area: To cater the bigger size mixed carp seed demand for composite carp culture

Thematic Area: Biofloc culture

Season: Round the year

Farming Situation: 10 Ton tanks cement concrete/ plastic tarpaulin outdoor installed with agro shade net house

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 seed	05 units	**FP**- Production of low-cost air-breathing fishes	Survival rate (%), Growth rate, disease	Fish advance fry/early											05

			in biofloc **RP**-Stocking of 10,000 nos. of mixed carp advance frys or early fingerlings in a biofloc tank of 10 ton capacity with a production potential of 4,000 nos. (200kg) of bigger size stunted fingerlings within 3 months of culture period	incidence (%)	fingerling											

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 of practices of biofloc fish farming	1	F&FW	01	Off									25
Field day	IMC fingerlings raising in BFTs	1	F&FW	01	Off									50

FLD22: Demonstration of Genetically Improved (GI) catla in composite carp culture (Code:23FFS09 (K))

Crop:Fish

Thrust Area: To maximize yield by substituting traditional catla with GI catla

Thematic Area: Species diversification

Season: Round the year

Farming Situation: Small to medium size pond, rainfed/canalfed sandy loam soil

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	Fish (Fishery)	6.0 ha, 20 units	FP-Culture of traditional catla in composite carp culture RP-Incorporation of GI-catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal::3:4:3 @ 10000 nos/ha.	Length & Weight, FCR, Growth rate, Plankton density, BC ratio	GI catla fingerlings											20

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	Demonstration of Genetically Improved (GI) catlain composite carp culture	1	F&FW	01	Off									25

FLD23: Demonstration of CIFA- carp grower fish feed (Code: 23FFS21 (R)*)

Crop: Fish

Thrust Area: Proper nutrition of fish for maximizing fish yield

Thematic Area: Production and management

Season: Round the year

Farming Situation: Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily)

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	2.0ha	FP-Use of traditional oilcake-bran mixture as fish feed (2-5% of biomass daily) RP-Use of cost-effective CIFA-carp grower floating fish feed (1-3% of biomass daily)	Survivability (%), SGR, ABW during harvest, FCR, Yield (q/ha), Net return(Rs.), BC ratio	CIFA carp grower fish feed											5

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	Supplementary feed management in fish ponds	1	F&FW	01	Off									25
Training	Pre & post-stocking management of nursery and grow-out ponds	1	F&FW	01	Off									25
Field day	Use of CIFA- carp grower feed in fish	1	F&FW	01	Off									50

	ponds													

FLD24: Demonstration of GI Scampi in carp poly-culture system (Code: 24FFS01(K))

Crop: Fish& Scampi

Thrust Area: To maximize yield by system diversification

Thematic Area: Production and management

Season: Round the year

Farming Situation: Small to medium tanks, Alluvial, Rain/ canal fed

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	Fish & Prawn	2.0 ha,	FP-Use of traditional prawn seeds (maximum from wild collection) in carp polyculture system with stocking density Catla:Rohu:Prawn PLs:3000:4000:10000 RP-Use of GI prawn seeds in carp polyculture system with stocking density Catla:Rohu:GI Prawn PLs::3000:4000:10000	Survivability (%), SGR, ABW during harvest, Yield (q/ha), Net return(Rs.), BC ratio	Seeds of GI scampi											5

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	Carp poly culture with GI Scampi	1	F&FW	01	Off									25
Field day	Use of GI Scampi in carp poly-culture system	1	F&FW	01	Off									50

5. a) Seed and planting material productionby utilization of instructional farm (Crops / Enterprises)

Name of the Crop / Enterprise	Variety / Type	Period From 2024-24	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income(Rs.)	Expected Net Income (Rs.)
Paddy	Kalachampa (F)	June-Jan	10.6 ha	Seed	450			
Papaya	Ranchi dwarf/Honeydew/Lunar	July-Sept	41.8 m^2	Seedling	5000 nos.			
Cauliflower	Barkha	Sept-Nov		Seedling	8000 nos.			
Cabbage	Saint	Sept-Nov		Seedling	8000 nos			
Brinjal	Akshita/JK 8021	Aug-Feb		Seedling	20000 nos			
Marigold	Seracole	Sept-Feb		Seedling	15000 nos			
Broccoli	Aiswara	Sept-Feb		Seedling	4000 nos			
Red cabbage	NS-1456/ NS-1460	Sept-Feb		Seedling	500 nos			
Capsicum	Indra	Sept-Feb		Seedling	6000 nos			
Chilli	Arka Harita	Sept-Feb		Seedling	10000 nos			
Tomato	Arkarakshak/ Laxmi	Sept-Feb		Seedling	17000 nos			
Drumstick	ODC-3/PKM-1	Sept-Feb		Seedling	5000 nos.			
Fish fingerling	IMC	April-Dec. 2024		Stunted Fingerlings & yearlings	300000 nos.			
Ornamental fish	Japanese Koi carps & Gold fish	April-Dec. 2024	3 tanks	Fry & Fingerlings of ornamental fish	5,000 nos			

Poultry Unit	Duck (var- Khaki Campbell) Poultry (Var-Kalinga Pallishree) Japanese Quail	Jan-Dec	12 nos 50 nos.	Eggs 21 days chicks	500 nos. 1000 nos.			
Vermicompost	-	April-March	Tank-6ft Tank-4ft	Compost	10 q			
Vermiculture	*E. foetida*	April-March		Culture	15 kg			
Paddy straw mushroom (kg)	*V.volvacea*	June-Oct	100 Beds	Mushroom	1.5 q			
Oyster mushroom (kg)	*P.sajarcaju/ Hypsizygous ulimarus*	Nov-Feb	100 Bags	Mushroom	1.5 q			
Honey (Kg)/ Colony (Nos.)	*Apis cerena indica*	April-March	10 boxes	Honey Bee colony	10 kg 5 no.			
Pineapple	Queen	April-March	-	Pineapple Suckers	2000 nos.			

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	22										
2	KisanMela	2										

3	KisanGhosthi	1										
4	Exhibition	5										
5	Film Show	22										
6	Method Demonstrations	8										
7	Farmers Seminar	2										
8	Workshop	2										
9	Group meetings	6										
10	Lectures delivered as resource persons	16										
11	Advisory Services	34										
12	Scientific visit to farmers field	120										
13	Farmers visit to KVK	1										
14	Diagnostic visits	56										
15	Exposure visits	5										
16	Ex-trainees Sammelan	1										
17	Soil health Camp	2										
18	Animal Health Camp	2										
19	Agri mobile clinic	1										
20	Soil test campaigns	1										
21	Farm Science Club Conveners meet	1										
22	Self Help Group Conveners meetings	2										
23	MahilaMandals Conveners meetings	1										
24	Celebration of important days (specify)	7										
25	Sankalp Se Siddhi	1										
26	Swatchta Hi Sewa	5										
27	Mahila Kisan Diwas	1										
28	Any Other (Specify)											
	Total	**327**										

7. Revolving Fund (in Rs.)

Opening balance of 2024-25 (As on 01.04.2024)	Amount proposed to be invested during 2024-25	Expected Return
1161108	**14,00,000**	**18,00,000**

8. Expected fund from other sources and its proposed utilization- NA

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

9. On-farm trials to be conducted*

OFT-1(Agronomy)

i	**Season**	:	*Kharif*, 2024(Year-II)
ii	**Title of the OFT**	:	**Assessment of deep water rice varieties (23OAG06(K))**
iii	**Thematic Area**	:	varietal evaluation
iv	**Problem diagnosed**	:	Low yield due to less tolerant of prevailing varieties to water logging
v	**Production system**	:	Rice -Pulse
vi	**Micro farming situation**	:	Rainfed low land
vii	**Technology for Testing**	:	Assessment of deep water rice varieties
viii	**Existing Practice**	:	Cultivation of var. Pooja
ix	**Objective(s)**	:	To assess suitable submergence tolerance variety
x	**Treatments**	:	FP: Pooja TO1: CR Dhan505 TO2: CR Dhan 506 TO3: CR Dhan 507 TO4:CR Dhan 508
xi	**Critical Inputs**	:	-
xii	**Unit Size (ha)**	:	0.1ha
xiii	**No of Replications**	:	7
xiv	**Unit Cost (Rs)**	:	1000
xv	**Total Cost (Rs)**	:	7000
xvi	**Monitoring Indicator**	:	No. of EBT/m^2, No of filled grains/panicle, test weight, yield & economics
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	:	NRRI,2014

OFT- 2(Agronomy)

i.	**Season**	**:**	Rabi, 2024-25
ii.	**Title of the OFT**	**:**	**Assessment of finger millet varieties for better yield (23OAG16(K/R)*)**
iii.	**Thematic Area**	**:**	Varietal evaluation
iv.	**Problem diagnosed**	**:**	Low yield due to unavailability of suitable varieties
v.	**Production system**	**:**	Paddy-fallow
vi.	**Micro farming situation**	**:**	Irrigated Medium land/low land
vii.	**Technology for Testing**	**:**	
viii.	**Existing Practice**	**:**	Fallow area after paddy crop
ix.	**Objective(s)**	**:**	
x.	**Treatments**	**:**	FP: fallow land TO1: **Arjun(OEB-526):** Moderately resistant to leaf,neck and finger blast disease,duration-105-110, tolerant to dry spell of 10-12 days at vegetative and 6-8 days at reproductive stage. Yield(25-26 q/ha) **TO2: Kalua-**Semi-dwarf plant height and medium maturity, duration-110, can tolerate dry spell of 8-10 days at vegetative and 5-6 days at reproductive stage. (Yield-25.90 q/ha) **TO3: OUAT Kalinga Ragi 1 (Shreeratna):** Resistant to brown spot and foot rot, moderately resistance to blast , stem borer duration-117days,yield 24.16 q/ha
xi.	**Critical Inputs**	**:**	Millet seeds
xii.	**Unit Size (ha)**	**:**	1.4ha
xiii.	**No of Replications**	**:**	**7**
xiv.	**Unit Cost (Rs)**	**:**	2000
xv.	**Total Cost (Rs)**	**:**	14000
xvi.	**Monitoring Indicator**	**:**	Plant height, no. of effective tillers/m^2 number of fingers per ear, grain weight per ear and 1000-grain weight, Yield (q/ha), Additional income over additional investment and B:C ratio, Yield & economics
xvii.	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	OUAT, BBSR

OFT-3 (Horticulture)

i	**Season**	**:**	*Rabi*, 2024(Year-II)
ii	**Title of the OFT**	**:**	**Assessment of herbicides for weed management in Tomato (Code: 23OHO17(R))**
iii	**Thematic Area**	**:**	Weed management
iv	**Problem diagnosed**	**:**	Low yield due to heavy weed infestation
v	**Production system**	**:**	Rice -vegetable
vi	**Micro farming situation**	**:**	Irrigated up land
vii	**Technology for Testing**	**:**	Use of Herbicide for weed management
viii	**Existing Practice**	**:**	Manual weeding
ix	**Objective(s)**	**:**	• To evaluate two different herbicide for weed control • To evaluate effect of herbicide on yield • To assess decrease in cost of cultivation
x	**Treatments**	**:**	FP: Manual weeding TO: Pre emergence application of Pendimethalin (30% EC) 1kg/ha a.i. followed by one hand weeding on30 Days after Transplanting TO2: Pre emergence application of Metribuzin (70%WP) 750 g/ha a.i. followed by one hand weeding on30 Days after Transplanting
xi	**Critical Inputs**	**:**	-
xii	**Unit Size (ha)**	**:**	0.1ha
xiii	**No of Replications**	**:**	7
xiv	**Unit Cost (Rs)**	**:**	2500
xv	**Total Cost (Rs)**	**:**	17500
xvi	**Monitoring Indicator**	**:**	No. of weeds/m^2, No of fruit/plant, Yield (q/ha), B:C ratio
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	ICAR-Directorate of Weed Research, 2019

OFT- 4 (Horticulture)

i	**Season**	**:**	*Kharif, 2023*(Year-II)
ii	**Title of the OFT**	**:**	**Assessment of INM practices in Banana (Code: 24OSS08(K/R))**
iii	**Thematic Area**	**:**	INM
iv	**Problem diagnosed**	**:**	Low yield due to improper nutrient management
v	**Production system**	**:**	Fruit cultivation
vi	**Micro farming situation**	**:**	Irrigated upland
vii	**Technology for Testing**	**:**	INM practices in Banana
viii	**Existing Practice**	**:**	Application of fertilizer @ 200:100:100 g NPK/plant
ix	**Objective(s)**	**:**	• To assess INM practices for higher yield • To assess INM practices suitable for saline soil condition
x	**Treatments**	:	FP: Application of fertilizer @ 200:100:100 g NPK/plant TO1: Application of 75% RDF (300:100:300 g NPK/plant) + 125 gm each of Azotobactor, Azospirillum & PSB (incubated in FYM) per plant TO2: Application of gypsum 2 kg/ plant + FYM 15 kg/ plant + recommended of N, P and 120% K per plant
xi	**Critical Inputs**	**:**	Bio fertilizer and fertilizer
xii	**Unit Size (ha)**	**:**	0.1ha
xiii	**No of Replications**	**:**	7
xiv	**Unit Cost (Rs)**	**:**	2500
xv	**Total Cost (Rs)**	**:**	147500
xvi	**Monitoring Indicator**	**:**	No. of fingers/Bunch, Bunch Weight(kg), Yield q/ha, Economics
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	NRC Banana, 2013-14

OFT-5(Plant Protection)

i	**Season**	**:**	Kharif, 2024
ii	**Title of the OFT**	**:**	**Assessment of IDM modules for management of panama wilt in Banana (Code: 24OPP08(K))**
iii	**Thematic Area**	**:**	IDM
iv	**Problem diagnosed**	**:**	Low yield due to high infestation of Panama wilt in Banana
v	**Production system**	**:**	Banana
vi	**Micro farming situation**	**:**	Irrigated Medium land
vii	**Technology for Testing**	**:**	
viii	**Existing Practice**	**:**	Spraying of Carbendazim and Dimethoate
ix	**Objective(s)**	**:**	To control high infestation of Panama wilt in Banana
x	**Treatments**	**:**	FP: Spraying of Carbendazim and Dimethoate **TO_1–**Planting of disease-free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500g + soil drenching of 0.2% Carbendazim 50WP at 2^{nd}, 4^{th}& 6^{th} months after planting (MAP) + stem injection of Carbendazim 50WP @ 2-3 ml/plant (2g/l solution) at 3^{rd}, 5^{th}& 7^{th} MAP **TO_2 :** Planting of disease free suckers + apply lime @ 40 g/pit + neem cake @ 250 g/pit + vermicompost 500 g + soil drenching of 0.1% (Trifloxystrobin + Tebuconazole 75 WP) solution at 2^{nd} , 4^{th}& 6^{th} MAP + stem injection of (Trifloxystrobin + Tebuconazole 75WP) @ 2-3 ml/plant (1g/l solution) at 3^{rd} , 5^{th}& 7^{th} MAP
xi	**Critical Inputs**	**:**	TO1 -disease free suckers, Neem cake, vermi compost + soil drenching, stem injection of Carbendazim TO2- disease free suckers, lime, Neem cake, vermi compost, Trifloxystrobin 25 WP, Tebuconazole, stem injection of (Trifloxystrobin 25 WP + Tebuconazole 50 WP)
xii	**Unit Size (ha)**	**:**	0.5ha
xiii	**No of Replications**	**:**	7
xiv	**Unit Cost (Rs)**	**:**	1200
xv	**Total Cost (Rs)**	**:**	8400
xvi	**Monitoring Indicator**	**:**	PDI, NO. of splits/plant, Yield, ICBR
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	TO1-OUAT AR, 2019 TO2-NRCB, Tamilnadu, 2018

OFT-6(Plant Protection)

i	**Season**	:	Rabi, 2024-25
ii	**Title of the OFT**	:	**Assessment of Rhinoceros beetle management in Coconut (Code: 24OPP09(R))**
iii	**Thematic Area**	:	IPM
iv	**Problem diagnosed**	:	Low yield of quality nuts due to high infestation of Rhinoceros beetle, area affected – 2000ha, extent of fruit damage – 35 – 40%
v	**Production system**	:	Vegetable - vegetable
vi	**Micro farming situation**	:	
vii	**Technology for Testing**	:	Integrated management of Rhinoceros beetle in Coconut
viii	**Existing Practice**	:	Spraying of Chloropyriphos / Cypermethrin pesticides
ix	**Objective(s)**	:	To manage the Rhinoceros beetle
x	**Treatments**	:	FP: Spraying of Chloropyriphos / Cypermethrin pesticides **TO_1:** Application of Carbofuran 3G @ 33 kg/ha in manure pits, use of iron hooks, twice application of Chlorantraniliprole 0.4G @ 5g mixed with sand (1:2) in three innermost leaves of the plant at 6 months interval, installation of Rhinolure @12nos./ha **TO_2:** Spraying of 250 ml of Metarrhizium anisopliae culture + 750ml of water in manure pit, use of iron hooks. Soak castor cake 1 kg/5L of water in small mud pots to attract and kill the adults and application of Neem seed powder + sand (1:2) @150 g at the base of the three inner leaves of the plant
xi	**Critical Inputs**	:	
xii	**Unit Size (ha)**	:	0.2ha
xiii	**No of Replications**	:	5
xiv	**Unit Cost (Rs)**	:	1000
xv	**Total Cost (Rs)**	:	1500
xvi	**Monitoring Indicator**	:	Pest incidence (%), Yield, ICBR
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	:	TO1-CPCRI, Kasaragod, 2016 TO2- TNAU, Coimbatore, 2017

OFT- 7 (Agril. Engineering)

i	**Season**	**:**	Kharif, 2024/Year-I
ii	**Title of the OFT**	**:**	**Assessment of various crop establishment methods in rice (Code: 24OAE08(K))**
iii	**Thematic Area**	**:**	Farm Mechanization
iv	**Problem diagnosed**	**:**	Manual random transplanting is a both labour and cost intensive process. Transplanted Paddy is very much affected by heavy rainfall / cyclone
v	**Production system**	**:**	Rice- Rice
vi	**Micro farming situation**	**:**	Rainfed Low land
vii	**Technology for Testing**	**:**	Tractor drawn 9-row DSR Seed cum fertilizer drill and Self propelled 8-row Rice Transplanter
viii	**Existing Practice**	**:**	Manual random transplanting
ix	**Objective(s)**	**:**	To enhance the yield by involving less labour and time.
x	**Treatments**	**:**	FP:Manual random transplanting TO_1:Manual line transplanting with the help of rope TO_2:Tractor drawn 9-row inclined plate planter for direct seeding of rice seeds TO_3:Use of 8-row self-propelled tice transplanter
xi	**Critical Inputs**	**:**	
xii	**Unit Size (ha)**	**:**	0.1
xiii	**No of Replications**	**:**	7
xiv	**Unit Cost (Rs)**	**:**	2500
xv	**Total Cost (Rs)**	**:**	17500
xvi	**Monitoring Indicator**	**:**	Field capacity (ha/h), Labour requirement(MDs/ha), Cost of operation (Rs/ha), No of effective tillers / hill, No. of hills / sq.m
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	AICRP on FIM, OUAT, 2018

OFT-8 (Agril. Engineering)

i	**Season**	**:**	Rabi, 2024-25/ Year-I
ii	**Title of the OFT**	**:**	**Assessment of Tractor drawn rice straw Balers (Code: 24OAE09(R))**
iii	**Thematic Area**	**:**	Farm Mechanization
iv	**Problem diagnosed**	**:**	Straw burning causes environmental pollution. There is scarci of whole straw for mushroom cultivation due to harvesting l combine harvester. So it is required to produce the mushroo from baled straw
v	**Production system**	**:**	Greengram/Blackgram
vi	**Micro farming situation**	**:**	Rainfed Low Land
vii	**Technology for Testing**	**:**	Tractor drawn square / rectangular type Rice straw Baler
viii	**Existing Practice**	**:**	Burning of straw in field.
ix	**Objective(s)**	**:**	To find out the labour involved (MDs/ha),straw recovery (%)
x	**Treatments**	**:**	FP: Burning of straw in field. TO_1: Collection of cut straw obtained by combine harvester for public sale to be used as cattle feed. TO_2:Tractor drawn square/rectangular type Rice straw baler
xi	**Critical Inputs**	**:**	
xii	**Unit Size (ha)**	**:**	0.1
xiii	**No of Replications**	**:**	7
xiv	**Unit Cost (Rs)**	**:**	3000
xv	**Total Cost (Rs)**	**:**	21000
xvi	**Monitoring Indicator**	**:**	Labour involved (MDs/ha), Baling efficiency (%), No. of bales/h, Total no. of bales /ha , weight per bale (kg), Straw recovery (%)
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	TO1- CIAE, Bhopal,2023-24 TO2- CIAE, Bhopal,2015-16

OFT-9 (Fishery)

i	**Season**	**:**	Kharif – 2024
ii	**Title of the OFT**	**:**	**Assessment of different intercropping modules in composite carp culture for maximizing fish yield (Code:23OFS03(K)*)**
iii	**Thematic Area**	**:**	Production and management
iv	**Problem diagnosed**	**:**	Low yield from composite carp culture
v	**Production system**	**:**	Pond based farming system
vi	**Micro farming situation**	**:**	Small to medium tanks, Alluvial, Rain/canal fed
vii	**Technology for Testing**	**:**	Intercropping with minor barbs & medium sized carps
viii	**Existing Practice**	**:**	Only three species composite carp culture
ix	**Objective(s)**	**:**	To assess maximum utilization of the untapped natural food resources available at different inter or sub-niches by foraging of minor barbs or medium size carps
x	**Treatments**	**:**	FP: Only three species composite carp culture TO1: Intercropping with minor barbs (Java Punti) 15-20% extra along with 10,000 nos. of IMC TO2: Intercropping with medium size carps (Kuria rohu/Khursia rohu / Pengba5-10% extra along with 10,000 nos. of IMC
xi	**Critical Inputs**	**:**	Fingerlings of minor barbs and medium sized carps
xii	**Unit Size (ha)**	**:**	0.4ha
xiii	**No of Replications**	**:**	3
xiv	**Unit Cost (Rs)**	**:**	3000
xv	**Total Cost (Rs)**	**:**	18000
xvi	**Monitoring Indicator**	**:**	Total yield (q/ha), Survivability(%), SGR, ABW during harvest, Additional income(Rs.), BC ratio
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	TO1- ICAR-CIFA, Bhubaneswar (2019) TO2 – ICAR-CIFA, Bhubaneswarb(2019 & 2020

OFT-10 (Fishery)

i	**Season**	**:**	Round the Year, 2024-25
ii	**Title of the OFT**	**:**	**Assessment of different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice (Code:23OFS05(Y)*)**
iii	**Thematic Area**	**:**	Disease management
iv	**Problem diagnosed**	**:**	Low yield from composite carp culture due to frequent infestation of *Lernaea* & *Argulus* on body surface of carps
v	**Production system**	**:**	Pond based
vi	**Micro farming situation**	**:**	Small to medium tanks, Alluvial, Rain/ canal fed
vii	**Technology for Testing**	**:**	Use of different ICAR developed anti-ectoparasitic formulations to eradicate Anchor worm & carp lice
viii	**Existing Practice**	**:**	Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm
ix	**Objective(s)**	**:**	To assess the different ICAR developed anti-ectoparasitic formulations to treat Anchor worm & carp lice
x	**Treatments**	**:**	FP: Use of only inorganic pyrethroids like Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm TO1: Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days TO2: Application of CIFRI- Argcure (DANAV / TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals
xi	**Critical Inputs**	**:**	ICAR developed medications
xii	**Unit Size (ha)**	**:**	0.4ha
xiii	**No of Replications**	**:**	8
xiv	**Unit Cost (Rs)**	**:**	1200
xv	**Total Cost (Rs)**	**:**	9600
xvi	**Monitoring Indicator**	**:**	Disease incidence (%), Survivability(%), SGR, ABW during harvest, Cost saving (Rs.), BC ratio
xvii	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	TO1-**:** ICAR-CIFA, Bhubaneswar (2015) TO2- ICAR-CIFRI, Barrackpore (2023)

OFT-11 (Home Science)

i.	**Season**	**:**	Kharif 2024 /II Yr. 23OHS01(K)
ii.	**Title of the OFT**	**:**	**Refinement of the improved techniques for cultivation of Paddy straw mushroom (*Volvariella volvacea)* using crumpled straw (Code: 23OHS01(K))**
iii.	**Thematic Area**	**:**	Mushroom Production
iv.	**Problem diagnosed**	**:**	Less income due to less yield
v.	**Production system**	**:**	IFS system
vi.	**Micro farming situation**	**:**	Outdoor System
vii.	**Technology for Testing**	**:**	Use of different age of mushroom spawn
viii.	**Existing Practice**	**:**	Use of unknown days age spawn
ix.	**Objective(s)**	**:**	Identification of quality of spawn for the cultivation of *V. volvacea* for enhanced yields
x.	**Treatments**	**:**	FP: Rectangular compact method Size-45x60x30 Mushroom production by using crumpled paddy straw -5kg with normal practice (soaking in water 5hrs with 2% calcium carbonate), unknown age of spawn, 3% of dry substrate weight), pulse powder 3% dry substrate weight, BE-8-10% TO_1: Square compact bed size (45x45cm) Mushroom production by using 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 horse gram powder (at 3% dry substrate weight) TO_2: Circular compact bed size -(45 cm diameter) Mushroom production by using 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 horse gram powder (at 3% dry substrate weight)
xi.	**Critical Inputs**	**:**	Mushroom Spawn, Red gram Powder, $CaCo_3$
xii.	**Unit Size**	**:**	40 Beds/unit
xiii.	**No of Replications**	**:**	7
xiv.	**Unit Cost**	**:**	800
xv.	**Total Cost**	**:**	5600
xvi.	**Monitoring Indicator**	**:**	Average buttons/bed (number), Average weight/button (g), B.E. (%), Yield/bed (g)
xvii.	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore,2012

OFT-12 (Home Science)

i.	**Season**	**:**	Round the Year, 2024-25/II yr. **23OHS02(R)**
ii.	**Title of the OFT**	**:**	**Assessment of Mushroom Nutri-Cereal Cookies for enhancing income of SHGs/FPOs (Code: 23OHS02(R))**
iii.	**Thematic Area**	**:**	Income generation
iv.	**Problem diagnosed**	**:**	Limited value addition and distress selling.
v.	**Production system**	**:**	Vegetable- Vegetable
vi.	**Micro farming situation**	**:**	Homestead
vii.	**Technology for Testing**	**:**	Preparation of Mushroom Nutri-Cereal Cookies
viii.	**Existing Practice**	**:**	Preparation of Cookies
ix.	**Objective(s)**	**:**	To enhance the income generation
x.	**Treatments**	**:**	TO_1 : Mushroom fortified millet cookies-Sorghum flour: oyster mushroom powder (80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), ammonium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%) TO_2: Preparation of Mushroom Nutri-Cereal Cookies- Oyster mushroom (*Hypsizygous ulmarious*) powder in combination with 5 different millet flours (sorghum/jowar, pearl millet/bajra, corn/ maize, finger millet/ragi and little millet/Sawai) Millets: Mushroom (80:20) sugar /Jaggery (30%), ghee (bakery fats) /butter (45%), baking powder (0.6 %), Sodium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%)
xi.	**Critical Inputs**	**:**	Mushroom Powder, Sorghum & Ragi Powder 7 other inputs for cookies preparation
xii.	**Unit Size**	**:**	-
xiii.	**No of Replications**	**:**	10
xiv.	**Unit Cost**	**:**	600
xv.	**Total Cost**	**:**	6000
xvi.	**Monitoring Indicator**	**:**	Shelf life(days), Sensory Evaluation (0–9-point hedonic scale), Gross cost (Rs.), Gross Return (Rs.), B:C
xvii.	**Source of Technology (ICAR/AICRP/SAU/ Other, please specify)**	**:**	ICAR DMR Solan-2022 IIHR ANNUAL REPORT 2021

10. List of Projects to be implemented by funding from other sources (other than KVK fund)

Sl. No.	Name of the project	Fund expected (Rs.)
1	NICRA	11,00,000
2	Out scaling of natural farming	10,00,000
3	CSISA	4,00,000
4	CFLD Oilseed Model Village	32,00,000
5	SWACHHATA	17,250
6	ARYA	10,00,000
7	Plant Health Clinic	5,00,000

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

Sl.no.	Titles
1	Ornamental fish: A new perspective to fish farming
2	Drip irrigation with mulching: A boon to pointed gourd farming
3	Custom hiring center for combined harvester
4	Integrated farming system: A sustainable approach to farming
5	Natural farming: way forward for future Agriculture
6	Off season Mushroom cultivation

12. Scientific Advisory Committee

Date of SAC meeting held during 2023-24	Proposed date during 2024-25
19.01.2024	**4thweek of November**

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											
Water Samples	800											
Other (Please specify)												
Total	1300											

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2024	Expected fund requirement (Rs.)
Contingency	6,50,000	12,00,000
SCSP	20,00,000	25,00,000
TA	1,20,000	15,000,00
HRD	Nil	30,000
Total	**19,05,000**	**42,30,000**

* Any additional requirement may be suitably justified.

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

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