

ACTION PLAN

2023



କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର
कृषि विज्ञान केन्द्र
KRISHI VIGYAN KENDRA
NAYAGARH



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3.Training programme to be organized

(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
Integrated Pest Management	Integrated management of leaf curl disease in chilli	1	1	Off	July,2023	2	0	1	0	22	0	25	0	25
Integrated Pest Management	Integrated management of stem borer and blast disease in paddy	1	1	Off	July,2023	3	0	2	0	20	0	25	0	25
Integrated Pest Management	Integrated management of fruit fly in vegetables	1	1	Off	Dec,2023	2	1	2	1	18	1	22	3	25
Integrate Disease Management	Management of wilting disease in solanaceous crops	1	1	Off	Aug,2023	3	2	2	1	15	2	20	5	25
Integrated Pest Management	Integrated management of Fall Army Worm in sweet corn	1	1	Off	Nov,2023	2	2	1	2	16	2	19	6	25
Integrate Disease Management	Integrated disease management of greengram	1	1	Off	Dec, 2023	3	0	2	0	20	0	25	0	25
Integrated Pest Management	Integrated pest management of BPH in paddy	1	1	Off	Oct,2023	2	0	1	0	22	0	25	0	25
Integrated Pest Management	Integrated management of sucking pest in vegetables	1	1	Off	Sept,2023	2	1	1	1	18	2	21	4	25

Small scale processing and value addition	Preparation of quality sugarcane Jaggery.	1	1	Off	Mar, 2023	1	0	5	7	9	3	15	10	25
Farm Mechanization	Use of tractor drawn seed drill for DSR	1	1	Off	May, 2023	2	0	3	0	20	0	25	0	25
Farm Mechanization	Use of Ridger for sugarcane cultivation	1	1	Off	Mar, 2023	3	0	4	0	18	0	25	0	25
Post - Harvest Technology	Mechanized threshing of pulses	1	1	Off	Oct, 2023	0	2	0	3	0	20	0	25	25
Farm Mechanization	Use of Tractor Operated Seed drill for sowing of greengram	1	1	Off	Sep,2023	2	2	5	5	8	3	15	10	25
Post-Harvest Technology	Use of Ragi Thresher cum Pearler for Ragi processing	1	1	Off	Apr, 2023	5	1	1	3	14	1	20	5	25
Farm Mechanization	Use of small tools and implements for vegetable crops	1	1	Off	Sept, 2023	0	2	0	3	0	20	0	25	25
Plasticulture Application	Use of plastics in farming practices	1	1	Off	Oct, 2023	2	2	5	5	8	3	15	10	25
Income generation	Paddy straw mushroom Cultivation using spawn of different age.	1	1	Off	Aug, 2023	0	2	0	4	0	19	0	25	25
Drudgery reduction	Suitable Maize sheller for drudgery reduction of farm women	1	1	Off	Dec, 2023	0	7	0	5	0	13	0	25	25
Nutrition management	Cultivation of Bio Fortified Sweet potato for nutritional security of farm women	1	1	Off	Jun, 2023	0	2	0	3	0	20	0	25	25
Nutrition	Household food	1	1	Off	Jul, 2023	0	2	0	2	0	21	0	25	25

management	security by kitchen gardening and nutrition gardening													
Value Addition	Preparation of Ragi Malt powder	1	1	Off	Jun, 2023	0	1	0	1	0	23	0	25	25
Income Generation	Rearing of poultry bird in backyard	1	1	Off	Nov, 2023	0	5	0	7	0	13	0	25	25
Income Generation	Scientific technique of marigold cultivation	1	1	Off	Oct, 2023	0	3	0	2	0	20	0	25	25
Organic manure production	Scientific methods of vermicomposting from spent mushroom substrate	1	1	Off	Dec, 2023	0	2	0	5	0	18	0	25	25
Soil fertility management	Application of bio fertilizer for better nodulation in pulse crops	1	1	Off	April,2023	4	2	4	2	10	3	18	7	25
Soil fertility management	Different method of seed treatment for enhancing pulse productivity	1	1	Off	May, 2023	4	2	4	2	10	3	18	7	25
Crop diversification	Production of high value crops in underutilized wasteland for higher income generation.	1	1	Off	June,2023	4	2	4	2	10	3	18	7	25
Weed management	Weed management practices in kharif pulses.	1	1	Off	July, 2023	4	2	4	2	10	3	18	7	25
Soil and Water Conservation	Methods of agriculture practices to conserve soil moisture.	1	1	Off	Aug,2023	4	2	4	2	10	3	18	7	25
Micro nutrient deficiency in crops	Application of micronutrients in oilseed crops	1	1	Off	Sept,2023	4	2	4	2	10	3	18	7	25

Climate smart agriculture	Use and efficiency of smart agriculture for problem solving	1	1	Off	Nov,2023	4	2	4	2	10	3	18	7	25
Climate smart agriculture	Climate resilient technologies for sustainable agriculture	1	1	Off	Dec,2023	4	2	4	2	10	3	18	7	25
Agroforestry management	Preparation and management of Horti-silvi Agroforestry model	01	01	Off	July, 2023	3	2	0	0	16	4	19	6	25
Propagation management	Propagation techniques of important forest trees	01	01	Off	July, 2023	2	0	3	0	20	0	25	0	25
Nursery management	Management of aromatic plants in the nursery	01	01	Off	July, 2023	2	0	3	0	20	0	25	0	25
Fruit production	Silvicultural operations in fruit-based Agroforestry model	01	01	Off	Aug, 2023	2	0	3	0	20	0	25	0	25
Agroforestry management	Management of bund plantation of tree species	01	01	Off	Aug, 2023	2	2	0	0	18	3	20	5	25
Production technologies	Management of bamboo harvesting in the forest	01	01	Off	Sep, 2023	4	1	3	3	12	2	19	6	25
Value addition	Societal importance of NTFPs and their applications	01	02	On	Dec, 2023	2	2	0	0	18	3	20	5	25
Agroforestry management	Cultivation of spices in tree plantation	1	1	On	Dec, 2023	2	2	0	0	18	3	20	5	25
Fish health management	Bio-floc fish farming	1	1	Off	April,2023	2	1	3	0	14	5	19	6	25
Varietal Evaluation	Amur carp in polyculture	1	1	Off	Dec, 2023	2	1	3	0	14	5	19	6	25

	system													
Integrated fish farming	Integrated fish farming	1	1	Off	May, 2023	1	0	4	2	14	4	19	6	25
Fish health management	Fish diseases and its management	1	1	Off	Jun,2023	1	0	4	2	14	4	19	6	25
Fish health management	Control of Argulosis	1	1	Off	Nov, 2023	1	0	4	2	14	4	19	6	25

(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
Bee-keeping	Scientific Bee keeping	1	5	ON	Dec,2023	2	1	0	0	18	0	20	0	20
Integrated pest disease management	Integrated pest disease management in protected cultivation	1	2	ON	June,2023	2	1	1	1	13	2	16	4	20
Integrated pest disease management	Integrated disease management in protected cultivation	1	2	ON	June,2023	2	1	1	1	13	2	16	4	20
Hi-tech Horticulture	Hi-Tech horticulture	1	2	ON	May,2023	10	1	3	1	5	0	18	2	20
Entrepreneurship development	Small scale processing and value addition of Ragi	1	2	ON	June, 2023	1	1	1	1	15	1	17	3	20
Entrepreneurship development	Production of off-season vegetable seedling in protected cultivation	1	5	ON	Aug, 2023	3	3	2	4	5	2	11	9	20
Value addition	Value addition of fruits and vegetables	1	2	ON	Oct, 2023	1	2	1	3	4	9	6	14	20
Value addition	Value addition of mushroom	1	2	ON	Feb, 2023	1	2	0	0	7	10	8	12	20
Income generation	Scientific method of Mushroom Spawn Production	1	5	ON	Nov, 2023	3	2	5	3	2	5	10	10	20
Integrated farming	Integrated farming system model for sustainable livelihood	1	2	ON	Oct, 2023	4	3	3	3	5	2	12	8	20
Income generation	Small scale poultry rearing	1	5	ON	Dec, 2023	4	3	3	3	5	2	12	8	20

	unit for income generation													
Nursery management	Identification of different aromatic plants and their management	1	2	ON	Sept, 2023	2	0	0	0	14	6	14	6	20
Agroforestry management	Management of cultivation practices of different agroforestry models	1	2	ON	Oct, 2023	2	0	0	0	17	3	17	3	20
fish seed production	Fish seed production	1	5	ON	Mar, 2023	2	0	1	0	17	0	20	0	20

(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
Bio-pest management	Non chemical method of pest management	1	2	OFF	Dec,2023	1	1	1	0	15	2	17	3	20
Farm Mechanization	Care and maintenance of farm machinery and implements	1	2	OFF	Mar, 2023	7	0	3	0	10	0	20	0	20
Nutritional security	Enhancement of ragi to combat malnutrition	1	2	OFF	Nov, 2023	0	2	0	1	0	17	0	20	20
Capacity building	Importance of Farm Field School (FFS) for technology upscaling	1	1	OFF	Sept, 2023	3	2	3	2	7	3	13	7	20
Group Dynamics and farmers organization	Business plan development of FPOs for financial advance.	1	2	OFF	Dec, 2023	3	2	3	2	7	3	13	7	20
Tree management	Tree management in agroforestry system	1	01	OFF	Oct,2023	4	0	1	0	12	3	16	4	20
Composite fish culture	Scientific ways of Composite fish culture	1	2	OFF	Mar, 2023	7	0	3	0	10	0	20	0	20

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	1	4	2	6	4	2	6	10	3	13	18	7	25
Resource Conservation Technologies	1	4	2	6	4	2	6	10	3	13	18	7	25
Cropping Systems													
Crop Diversification	1	4	2	6	4	2	6	10	3	13	18	7	25
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, if any (Climate smart agriculture)	2	8	4	12	8	4	12	20	6	26	36	14	50
TOTAL	5	20	10	30	20	10	30	50	15	65	90	35	125
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													

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
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													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER			M	F	T
		M	F	T	M	F	T	M	F	T	M	F	T
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	2	2	0	3	3	0	20	20	0	25	25
Design and development of low/minimum cost diet													
Designing development for nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	1	2	2	4	5	5	10	8	3	12	15	10	25
Value addition	1	0	1	1	0	1	1	0	23	23	0	25	25
Income generation activities for empowerment of rural Women	4	0	12	12	0	15	15	0	73	73	0	100	100
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													

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
Others, if any (Drudgery reduction)	1	0	7	7	0	5	5	0	13	13	0	25	25
TOTAL	8	2	24	26	0	29	34	0	132	141	15	185	200
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	2	2	4	5	5	10	8	3	12	15	10	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	1	1	0	1	5	7	12	9	3	12	15	10	25
Post Harvest Technology	2	5	3	8	1	6	7	14	21	35	20	30	50
Others, if any (Farm mechanization)	4	7	4	11	12	8	20	46	23	69	65	35	100
TOTAL	8	15	9	24	23	26	49	77	50	125	115	85	200
VII. Plant Protection													
Integrated Pest Management	6	13	4	17	8	4	12	116	5	121	137	13	150
Integrated Disease Management	2	6	2	8	4	1	5	35	2	37	45	5	50
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	8	19	6	25	12	5	17	151	7	158	182	18	200
VIII. Fisheries													
Integrated fish farming	1	1	0	1	4	2	6	14	4	18	19	6	25
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													

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	M	F	T
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any (Fish health management)	3	4	1	5	11	4	15	42	13	57	57	18	75
Others, if any (Varietal evaluation)	1	2	1	3	3	0	3	14	5	19	19	6	25
TOTAL	5	7	2	9	18	6	24	70	22	94	95	30	125
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 (Climate smart agriculture)													
TOTAL													
XI Agro-forestry													
Production technologies	1	6	3	9	3	1	4	4	8	12	13	12	25
Nursery management	1	5	2	7	0	1	1	15	2	17	20	5	25
Agroforestry management	3	2	1	3	3	0	3	14	5	19	19	6	50
Propagation methodology	1	6	1	7	4	2	6	8	2	10	18	07	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
Tree management	1	06	01	07	01	01	02	13	03	16	20	05	25
Value addition	1	5	2	7	0	1	1	15	2	17	20	5	25
TOTAL	8	47	10	57	09	18	27	117	22	139	193	52	200

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil fertility & management													
Mushroom Production													
Bee-keeping													
Integrated pest management	1	2	1	3	1	1	2	13	2	15	16	4	20
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Hi-tech horticulture	1	10	1	11	3	1	4	5	0	5	18	2	20
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2	12	5	17	4	4	8	16	19	35	32	28	40
Production of quality animal products													
Dairying													
Sheep and goat													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing	1	2	0	2	1	0	1	17	0	17	20	0	20
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1	4	4	8	0	0	0	6	2	8	12	8	20
Nursery management	1	2	0	2	1	0	1	17	0	17	20	0	20
Agroforestry management	1	10	1	11	3	1	4	5	0	5	18	2	20
Others if any (Income generation)	2	7	5	12	8	6	14	7	7	14	22	18	40
TOTAL	9	47	16	63	20	12	32	73	28	101	142	58	180

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops (Soil fertility)													

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Integrated Pest Management	1	2	1	3	1	0	1	14	2	16	17	3	20
Bio-pest management	1	2	1	3	1	0	1	14	2	16	17	3	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Farm mechanization	1	7	0	7	3	0	3	10	0	10	20	0	20
Protected cultivation technology													
Formation Management of SHG													
Group Dynamics and farmers organization	1	3	2	5	3	2	5	7	3	10	13	7	20
Information networking among farmers													
Capacity building for ICT application	1	3	2	5	3	2	5	7	3	10	13	7	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	1	0	2	2	0	1	1	0	17	17	0	20	20
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Tree Management	1	3	0	3	1	0	1	14	2	16	15	5	20
Composite fish Culture	1	7	0	7	3	0	3	10	0	10	20	0	20
TOTAL	8	27	8	35	15	5	20	76	29	105	115	45	160

4. Frontline demonstration to be conducted*

FLD-1	Integrated management of Fall Army Worm in sweet corn
Crop:	Sweet corn
Thrust Area:	Management of important pest in cereals.
Thematic Area:	Integrated Pest Management
Season:	Rabi, 2023-24
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	Sweet corn	1.0	Seed treatment with (cyantraniliprole 19.8+Thiamethoxam 19.8) FS @ 6 ml/kg of seed, Alternate Spraying of Spinetoram 11.7 SC @ 250 ml/ha and Bacillus thuringiensis @ 1kg/ha at 10-15 days interval	Infestation of Fall Army Worm (%), Yield (Kg /ha), B:C ratio	(cyantraniliprole 19.8+Thiamethoxam 19.8) FS, Spinetoram 11.7 SC, Bacillus thuringiensis (Bt)	11 00/ unit	700/unit	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Integrated management of Fall Army Worm in sweet corn	1	F/FW	1	Off	2	2	1	2	16	2	19	6	25
Field day	Demonstration on Management of Fall Army Worm in Sweet corn		F/FW	1	Off	1	1	2	2	22	2	25	5	30

FLD-2	Demonstration of bacterial wilt management in Brinjal
Crop	Brinjal
Thrust Area	Management of important pest and diseases in vegetable crops
Thematic Area	Integrated disease management
Season	Rabi,2023-24
Farming Situation	Irrigated upland

Sl. N o.	Crop & variety / Enterpri ses	Propos ed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrate d	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	De mo	Loca l	SC		ST		Othe r		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal	1.0	Soil application of bleaching powder 25 kg/ha and lime 1t /ha 15 days before planting, Seed treatment with(T.viride+P.fluorescens) @10g/kg of seed,Seedling root dip with plantomycin 1 g+coperoxycloiride 2g per lit of water and drenching with plantomycin 1 g+coper oxychloride 2g per lit of water with the incidence of the disease	WiltIncidence of bacterial wiltl(%),Yield (Kg/ha),B:C ratio	Bleaching powder,Lime, P.fluorescence, Plantomycin Coper oxycl oride	12 00/ unit	800/ unit	2	0	1	0	7	0	1 0	0	1 0

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 wilting disease in solanaceous crops	1	F/FW	1		3	2	2	1	15	2	20	5	25
Field day	Demonstration of bacterial wilt management in Brinjal during Kharif	1	F/FW	1	Off	3	2	3	2	18	2	24	6	30

FLD-3	Demonstration on integrated management of leaf curl disease in chilli
Crop	Chilli
Thrust Area	Management of important pest and diseases in vegetable crops
Thematic Area	Integrated disease management
Season	Kharif,2023
Farming Situation	Irrigated upland

Sl . No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Chilli	1.0	Seed Treatment with Imidacloprid 600 FS @5ml/kg of Seed Installation of yellow sticky trap @ 50/ha and blue sticky trap 50/ha , Alternate spraying of spiromesifen 22.9%SC and fipronil 5 SC @ 500ml+Neem oil1 lit/ha	Incidence of leaf curl(%),,Yield (Kg/ha),B:C ratio	Imidacloprid, Blue sticky trap, Yellow sticky trap, Blue sticky trap Spiromesifen 22.9%SC, Fipronil, Neem oil	1500/unit	1000/unit	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Integrated management of leaf curl disease in chilli	1	F/FW	1	Off	2	0	1	0	22	0	25	0	25
Field day	Demonstration on integrated management of leaf curl disease in chilli	1	F/FW	1	Off	4	2	1	1	20	2	25	5	30

FLD-4	Demonstration of integrated management of fruit fly in bitter gourd
Crop	Bitter gourd
Thrust Area	Management of important pest and diseases in vegetable crops
Thematic Area	Integrated pest management
Season	Kharif,2023
Farming Situation	Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Bitter gourd	1.0	Installation of Pheromone trap with Cuelure @20/ha, Spot application of Poison bait jaggery (100), Dichlorvos (2 ml) and water (1 lit) and spraying of Deltamethrin 1ml/l+1% jaggery at 30,45,60 and 75 DAS	Infestation of fruit fly (%), Yield (Kg /ha), B:C ratio	Cuelure trap, jaggery, Dichlorvos, Deltamethrin	1200/unit	800/unit	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Demonstration of integrated management of fruit fly in bitter gourd	2	RY	1	on	2	1	0	0	18	0	20	0	20
Field day	Demonstration of integrated management of fruit fly in bitter gourd		RY	1	Off	2	2	1	1	20	4	23	7	30

FLD-5	Demonstration Mechanized DSR with weed management
Crop	Rice
Thrust Area	Application of farm implements in Agriculture
Thematic Area	Farm Mechanization
Season	<i>Kharif 2023</i>
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	Rice	10 units	Tractor drawn seed drill (9-row), Field capacity-1 acre/hr, Preemergence weedicide:- Pretiachola 50%EC Postemergence weedicide:- Bispyribac sodium @ 25 g/ha	Depth of ploughing(mm), Labour Requirement (MDs/ha), N o. of weeds (nos.), Weed Control efficiency (%)	Tractor drawn seed drill (9-row), Pretiachola, Bispyribac sodium	300/unit	500/unit	2	0	2	2	4	0	8	2	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Use of tractor drawn seed drill	1	F/FW	1	Off	2	2	5	5	8	3	15	10	25
Field Day	Field day on tractor drawn seed drill for DSR	1	F/FW, IS	1	Off	7	3	2	2	8	10	15	15	30
Farm Field School	Tractor drawn seed drill for DSR	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30
Training	Use of tractor drawn seed drill	1	F/FW	1	Off	2	2	5	5	8	3	15	10	25

FLD-6	Demonstration on tractor operated multi-crop thresher
Crop	Pulse
Thrust Area	Application of farm implements in Agriculture
Thematic Area	Post -Harvest Technology
Season	Rabi, 2023-24
Farming Situation	Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Pulse	10ha.	Tractor operated multi-crop thresher, Threshing capacity- 3000 - 5000 kg/hr, Tractor- 35 HP Tractor or Above)	Threshing Efficiency (%), Labour Requirement (MDs/ha)	Tractor operated multi crop thresher	1000/unit	200/unit	1	0	0	1	8	0	9	1	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Mechanized pulse thresher	1	F/FW	1	Off	0	2	0	3	0	20	0	25	25
Field Day	Field day on pulse thresher.	1	F/FW, IS	1	Off	8	4	2	2	10	6	20	10	30
Farm Field School	Mechanized pulse thresher	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30

FLD-7	Demonstration on preparation of sugarcane jaggery
Crop	Sugarcane
Thrust Area	Small scale processing and value addition of sugarcane
Thematic Area	Value Addition
Season	Rabi 2023-24
Farming Situation	Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sugarcane	10nos.	Demonstration on preparation of sugarcane jaggery (Ladies finger stem extract-500ml/500 litres of sugarcane juice Sodium hydrous powder-15 ppm (0.014 g/lit))	Colour, Texture, Shelf Life	Ladies finger stem extract and Sodium hydrous powder	3000/hr	1000/hr	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Preparation of sugarcane jaggery	1	F/FW	1	Off	2	2	5	6	6	4	13	12	25
Farm Field School	Field day on Preparation of sugarcane jaggery	1	F/FW	1	Off	8	3	6	3	10	0	24	6	30
Field Day	Sugarcane jaggery preparation	1	F/FW, IS	1	Off	1	1	2	1	9	6	12	8	20

FLD-8	Demonstration on Ragi Thresher cum Pearler
Crop	Finger millet
Thrust Area	Farm Mechanization in agriculture
Thematic Area	Post- Harvest Technology
Season	Rabi, 2023
Farming Situation	Rainfed up Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Ragi	10ha.	(Electric operated with 1 hp motor)	Threshing Efficiency (%) Labour requirement (MD/hr) Cleaning Efficiency (%)	--	-	-	1	1	4	2	2	0	7	3	10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use on Ragi thresher cum pearler	1	F&FW	1 day	Off	2	2	10	6	3	2	15	10	25
Field day	Field day on Ragi thresher cum pearler	1	F&FW, IS	1 day	Off	2	1	3	2	15	2	15	5	20

FLD-9	Preparation of Ragi Malt powder
Crop:	Finger Millet
Thrust Area:	Nutritional security of farm families
Thematic Area:	Processing and value addition
Season:	Rabi 2023-24
Farming Situation:	Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Finger Millet	10 units (10 no)	Preparation of Ragi Malt powder Soaking (4 hr), germination at room temp in moist cloth, drying (50 °C for 8 hr), roasting, and milling	Moisture content (%) Shelf Life (Month)	Ragi With Required ingredients	-	-	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Training	Preparation of Ragi Malt powder	1	F/FW	1	Off	-	3		1		21		25	25	

FLD-10	Demonstration of Bio Fortified Sweet potato for nutritional security of farm women.									
Crop:	Sweet Potato									
Thrust Area:	Nutritional security of farm families									
Thematic Area:	Nutri-rich vegetables									
Season:	Kharif, 2023									
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	1ha.	Var- Bhu sona/ Bhu krishna Bhu Sona- Rich in Beta Carotene(14mg/100g) Bhu krishna- Rich in anthocyanine(90mg/100g))	Consumption /day Availability /day	Planting material of both the var	65000	45000	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Cultivation of Bio Fortified Sweet potato for nutritional security of farm women	1	F/FW	1	Off	-	4		1		20		25	25
Field Day	Field Day on Bio Fortified Sweet potato for nutritional security of farm women	1	F/FW	1	Off	-	4	-	3	-	23		30	30

FLD-11	Demonstration of Marigold Cultivation for SHGs
Crop:	Marigold
Thrust Area:	Promotion of income generation for sustainable livelihood
Thematic Area:	Floriculture
Season:	Kharif, 2023
Farming Situation:	Homestead

S L N o.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Marigold	1ha.	Demonstration of Marigold Cultivation for income generation through SHGs (Cultivation of marigold (variety-Bidhan 2)	Flower diameter, No. of flowers per plant, Flower yield (q/ha), Cost of intervention, Net profit, B C ratio.	Marigold Var: Bidhan 2 planting material	15000/unit	5000/unit		2	0	1	-	7	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Marigold Cultivation as alternative livelihood option.	1	F/FW	1	Off	-	4		1		20		25	25
Field Day	Field Day on Marigold Cultivation for income generation	1	F/FW	1	Off	-	4	-	3	-	23		30	30

FLD-12	Demonstration on poultry bird Pallishree in backyard rearing
Enterprise	Poultry
Thrust Area:	Promotion of income generation for sustainable livelihood
Thematic Area:	Poultry rearing
Season:	Rabi, 2023-24
Farming Situation:	Homestead

Sl. N o.	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 chicks	10nos.	(Rearing of Pallishree in backyard)	Body weight at 1month, 2month, 4months and age of laying, annual egg production , morbidity rate during extreme heat condition	Pallishree chicks	200/unit	100/unit		3	0	0	-	7	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Rearing of poultry bird in backyard	1	F/FW	1	Off	3	2	1	1	5	13	9	16	25
Field Day	Field day on poultry bird Pallishree in backyard system for farm women	1	F/FW	1	Off	4	2	2	1	10	11	16	14	30

FLD-13	Demonstration of lemon grass (Cymbopogon citratus)
Crop	Lemon grass
Thrust Area	Conservation of bio-diversity of forest areas
Thematic Area	Varietal demonstration
Season	Kharif, 2023
Farming Situation	Rainfed Forest 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	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Lemon grass	0.4	Demonstration of lemon grass (Cymbopogon citratus)	No of Tiller/clumps Plant height (cm) Herb Yield(t/ha)	Lemon grass slip (Var. Sugandhi)	18000	10000	2	0	2	0	6	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Result demonstration	Extraction of oil from lemon grass herbs	1	F/FW	1	Off	10	5	10	5	15	5	35	15	50
Field Day	Demonstration of lemon grass (Cymbopogon citratus)	1	F/FW & IS	1	Off	10	5	10	5	15	5	35	15	50

FLD-14	Demonstration on effectiveness of short technology videos on technology adoption
Crop	Brinjal
Thrust Area	Dissemination of Information
Thematic Area	ITC
Season	Rabi, 2023-24
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.	Brinjal	50nos.	Preparation of small videos (1.5-2.0 minutes) on different activities of production process of selected commodities and the same will be sent through WhatsApp to the identified farmers	Awareness creation Knowledge and skill acquisition Real-time applicability Uptake of new practice Information sharing & spillover effects Change in perception Retention, retrieval & re-use of the content (Observation to be taken on a three-point scale and measured in a weighted matrix)	Short Video	--	--	15	0	15	0	20	0	50	0	50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total		T	
						M	F	M	F	M	F	M	F		
Field Day	Demonstration on effectiveness of short technology videos on technology adoption	1	F/FW	1	Off	10	5	10	5	15	5	35	15	50	

FLD-15	Demonstration on performance of black turmeric (Cucurma Caesia) in silvi-horti farming system.
Crop	Black turmeric (Cucurma Caesia)
Thrust Area	Production of high value crop in forest zones.
Thematic Area	Varietal demonstration
Season	Kharif, 2023
Farming Situation	Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Locals	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Black Turmeric	0.4	(Cucurma Caesia) in silvi-horti farming system.	Rhizome Weight (g) Incremental income (Rs. /ha)	Rhizome of Black Turmeric	18000	6000	2	0	2	0	6	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Field Day	Demonstration on performance of black turmeric (Cucurma Caesia) in Silvihorti farming system	1	Off	1	Off	10	5	10	5	15	5	35	15	50

FLD-16	Demonstration on transfer of technology through harnessing human values in agriculture
Crop	--
Thrust Area	Recognition to human capital for strengthening public extension system
Thematic Area	Extension Management
Season	Rabi, 2023-24
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.	--	--	Demonstration on transfer of technology through harnessing human values in agriculture	No. of technology disseminated No. of farmers benefitted Level of participation in technology transfer Information sharing as resource person (%)	--	--	--	2	0	2	0	6	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Field Day	Demonstration on transfer of technology through harnessing human values in agriculture	1	F/FW	1	Off	10	5	10	5	15	5	35	15	50	

FLD- 17	Demonstration of management of Horti-silvi Agroforestry
Crop	Turmeric
Thematic Area	Intercrop management
Season	Kharif 2023
Farming Situation	Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Turmeric (Roma)	0.4	Healthy planting materials of turmeric are planted at interspaces of mango plantation.	Plant height, Number of leaf/plant, Fresh/dry wt. of rhizome/plant, fresh/dry yield	Turmeric	2,70,000	-	1	0	0	0	4	0	5	0	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	Preparation and management of Horti-silvi Agroforestry model	25	F&FW	1 day	On	03	06	01	00	10	06	14	11	25	
Training	Silvicultural operations in fruit-based agroforestry model	25	F&FW	1 day	Off	01	02	12	07	03	00	16	09	25	
Training	Preparation and management of Horti-silvi Agroforestry model	25 no.	RY	1 day	On	02	00	02	00	11	00	15	00	15	

FLD-18	Demonstration on Vermicompost Production from different forest species
Crop	Different Forest species
Thrust Area	Recycling of forest waste
Thematic Area	Vermicompost technology
Season	Kharif 2023
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	Different Forest species	10 unit	Vermicomposting from cow dung+ Forest Species leaves substrate (2:3)	Yield (q/ha) NPK (%)	cow dung+ Forest Species leaves substrate	1500 per unit	700 per unit	2	0	1	0	7	0	10	0	10

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	Vermicompost preparation by recycling forest waste.	1	F/FW	1	OFF	5	0	2	0	38	5	45	5	50

FLD- 19	Demonstration on Leaf plate making by mechanical operation
Crop	Siali (<i>Bauhinia vahlii</i>)/ Sal (<i>Shorea robusta</i>)
Thrust Area	Value addition
Thematic Area	Income generation
Season	Rabi 2023
Farming Situation	Rainfed upland

Sl . No.	Crop & variety / Enterpr ises	Propo sed Area (ha)/ Unit (No.)	Technology package for demonstratio n	Param eter (Data) in relatio n to technol ogy demon strated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Dem o	Loc al	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sal/siali leaves	10 unit	Leaf plate making by mechanical operation		Sal / Siali leaves	20,00 0	-	05	0 4	0 5	0 5	0 5	06	1 5	1 5	3 0

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientel e	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Collection and processing of sal leaves for income generation	25 no	F&FW	1 day	On	5	7	1	0	10	02	16	09	25

FLD- 20	Demonstration on Plantation of Yam
Crop	Yam
Thematic Area	Agroforestry management
Season	Kharif 2023
Farming Situation	Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
12	Yam (Odisha Elite)	0.4	Yam suckers are sown under sal plantation as intercrop	Yield (Q/ha)	Yam suckers	5000	-	1	0	1	0	3	0	5	0	5

FLD-21	Demonstration of Amur Carp in carp polyculture system
Crop	Fishery
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Performance
Season	Rabi,2023-24
Farming Situation	Pond Based

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	Fishery	10	Stocking ratio- Catla: Rohu: Mrigal: Amur carp: 30:40:15:15	Growth rate (%), Yield (q/ha), Date of maturity	Amur carp	-	-	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/ Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F		
Training	Composite fish culture	1	F/FW	1	Off	2	2	5	6	6	4	13	12	25	
Aqua Field School	Intercrop aquaculture in	1	F/FW	1	Off	8	3	6	3	10	0	24	6	30	
Booklet	Rural Aquaculture	1	F/FW												

KVK, OUAT, NAYAGARH, ACTION PLAN 2023(JANUARY 2023 TO DECEMBER 2023)

FLD- 22	Demonstration on Genetically Improved (GI) Catla in Freshwater Aquaculture
Crop	Indian Major Carp (IMC)
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Introduction
Season	Kharif, 2023
Farming Situation	Pond Based

SlNo	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	Genetically Improved (GI) Catla	2Ha. (10nos.)	Demonstration on Genetically Improved (GI) Catla in Freshwater Aquaculture (Replacement of Normal Catla fish Fingerling with GI Catla)	Survivability (%) Growth (gm.)	GI Catla fingerling	65000	45000	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Field day	Farm Field School	1	F/FW, IS	1	Off	--	--	--	--	24	6	24	6	30
Awareness	SCSP	1	F/FW	1	Off	14	3	2	3	6	2	22	8	30

Repeat the above tables and information in Point no. 4 for EACH FLD being proposed.

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

Name of the Crop / Enterprise	Variety / Type	Period from 01.04.2023 to 31.03.2024	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Hasant	Kharif	1.0	FS	35.0	72000	115000	43000
Finger millet	Arjun	Rabi	0.5	TL	3.0	7000	12600	5600
Vegetable Seedling	Hybrid & OP	Round the year	100000 nos.	QPM	100000 nos.	75000	250000	175000
Papaya Seedlings	Hybrid & OP	Kharif	2000	Hybrid	2000	20000	50000	30000
Drumstick Seedlings	PKM-1	Kharif	3000 nos.	Hybrid	3000 nos.	15000	45000	30000
Forest /Medicinal Seedlings	Lemon grass	Kharif	10000 nos.	--	10000 nos.	80000	150000	70000
Carp	Rohu (Jayanti), Amur carp, Grass carp	Round the year						
Chicks	Banaraja, Aseel, Kadaknath	Round the year	--	21days old chicks	3000	80000	210000	130000
Vermicompost	--	Round the year	--	--	50	15000	75000	50000
Vermi wash	--	Round the year	--	--	10 lt.			
Mushroom spawn	--	Round the year	--	V. volvacea P. sajarcaju	10000 bottles	72000	150000	78000
Bee colony	--	Round the year	--	--	0.2	250000	6000	3500

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.)

i. 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	515	225	740	30	30	36	66	545	261	806
2.	KisanMela	2	280	120	400	25	16	20	36	296	140	436
3.	KisanGhosthi	8	80	80	160	20	5	3	8	85	83	168
4.	Exhibition	2	400	200	600	25	10	10	20	410	210	620
5.	Film Show	20	400	200	600	25	8	12	20	408	212	620
6.	Method Demonstrations	30	230	70	300	25	15	15	30	245	85	330
7.	Farmers Seminar	2	35	15	50	15	6	6	12	41	21	62
8.	Workshop	2	30	20	50	20	5	5	10	35	25	60
9.	Group meetings	4	90	30	120	25	10	10	20	100	40	140
10	Lectures delivered as resource persons	30	600	300	900	25	0	0	0	600	300	900
11	Advisory Services	50	0	0	0	30	0	0	0	0	0	0
12	Scientific visit to farmers field	140	1800	1000	2800	30	80	60	140	1880	1060	2940
13	Farmers visit to KVK	500	320	180	500	35	0	0	0	320	180	500
14	Diagnostic visits	15	220	80	300	20	5	10	15	225	90	315
15	Exposure visits	5	66	34	100	20	1	4	5	67	38	105
16	Ex-trainees Sammelan	5	66	34	100	20	1	4	5	67	38	105
17	Soil health Camp	2	50	50	100	30	3	3	6	53	53	106
18	Animal Health Camp	1	20	30	50	20	2	2	4	22	32	54
19	Agri mobile clinic	24	250	100	350	25	10	14	24	260	114	374
20	Soil test campaigns	2	50	50	100	25	2	2	4	52	52	104
21	Farm Science Club Conveners meet	5	100	50	150	25	5	8	13	105	58	163
22	Self Help Group Conveners meetings	2	0	50	50	25	2	3	5	2	53	55
23	Mahila Mandals Conveners meetings	2	0	50	50	25	2	3	5	2	53	55
24	Celebration of important days (specify)	5	100	50	150	30	10	15	25	110	65	175

25	Sankalp Se Siddhi	-	0	0	0				0	0	0	0
26	Swachhta Hi Sewa	7	150	200	350	30	7	7	14	157	207	364
27	Mahila Kisan Divas	1	0	50	50	20	2	5	7	2	55	57
28	Plant Health	12	150	100	250	25	5	7	12	155	107	262
29	Farm Field School	-	0	0	0	--	0	0	0	0	0	0
30	Innovative farmers documentation	1	15	5	20	10	0	0	0	15	5	20
31	Awareness programme for FPO	2	50	50	100	30	5	5	10	55	55	110
	Total	903	6067	3423	9490	710	247	269	516	6314	3692	10006

3. Revolving Fund (in Rs.)

Opening balance of (As on 01.04.2022)	Amount proposed to be invested during 2023	Expected Return
0	10,00,000	5,00,000

4. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
INM	Central Govt.	3,00,000
IPM	Central Govt.	5,00,000
PMMSY	Central Govt.	5,00,000
RKVY	State Govt.	20,00,000
ASCI	Central Govt.	4,00,000
ARYA	Central Govt.	10,00,000
NHM	State Govt.	20,00,000

9. On-farm trials to be conducted*

OFT-1

i.	Season	:	<i>Kharif, 2023</i>
ii.	Title of the OFT	:	Assessment of Integrated Management of sucking pest in okra
iii.	Thematic Area	:	Integrated disease pest management
iv.	Problem diagnosed	:	Sucking pest like white fly, aphid and jassid severely reduces the yield
v.	Important Cause	:	White fly, aphid and jassid are major pest of okra
vi.	Production system	:	Vegetable-vegetable
vii.	Micro farming system	:	Irrigated upland
viii.	Technology for Testing	:	Integrated management of sucking pest
ix.	Existing Practice	:	Farmers are practicing spraying of conventional pesticides
x.	Hypothesis	:	Integrated management of sucking pest increases the yield of okra
xi.	Objective(s)	:	To reduce the YMV disease including other sucking pest in okra
xii.	Treatments:		
	Farmers Practice (FP)	:	Spraying of Dimethoate@ 1 lit/Acephate 1kg/Acetamiprid 250 g/ha
	Technology option-I (TO ₁)	:	Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha, alternate Spraying of Afidopyropen 50 g/l DC @ 600 to 1000 ml/ha and Neem oil 300 PPM @ 1lit/ha
	Technology option-II (TO ₂)	:	Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha, Alternate Spraying of Tolfenpyrad 15% EC @ 1000 ml/ha and Neem oil @ 1lit/ha
xiii.	Critical Inputs	:	Imidacloprid 600 FS, Yellow Sticky trap, Afidopyropen, Neem oil, Tolfenpyrad
xiv.	Unit Size	:	0.08 ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1800
xvii.	Total Cost	:	Rs. 18000
xviii.	Monitoring Indicator	:	Mean Population of Jassid/ 6 leaves, Mean Population of Aphid/ 6 leaves, Mean Population of Whitefly / 6 leaves, % of YMV
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	RVSKVV, College of Agriculture Indore, Madhya Pradesh, 2021

OFT-2

i.	Season	:	Rabi,2023-24
ii.	Title of the OFT	:	Refinement on IPM module for Management of sucking pest in brinjal
iii.	Thematic Area	:	Integrated pest management
iv.	Problem diagnosed	:	Heavy infestation of mites and whitefly reduces the yield in brinjal
v.	Important Cause	:	White fly and red spider mite are major pest of brinjal
vi.	Production system	:	Vegetable-Vegetable
vii.	Micro farming system	:	Vegetable-Vegetable
viii.	Technology for Testing	:	Integrated Pest Management of sucking pest in brinjal
ix.	Existing Practice	:	Farmers are practicing spraying of conventional pesticides
x.	Hypothesis	:	Integrated management of sucking pest increases the yield of brinjal
xi.	Objective(s)	:	To reduce the White fly and red spider mite infestation in cabbage
xii.	Treatments:		
	Farmers Practice (FP)	:	Spraying of Thiamethoxam 25WG/Acetamiprid 20 SP @300 to 400 gm/ha and Dicofol 18.5EC @ 1.5 lit/ha
	Technology option-I (TO ₁)	:	Installation of Yellow sticky trap @50/ha, Alternate spraying of Spiromesifen 22.9 SC @ 400 ml/ha and Neem oil (300 ppm) @ 2.5 lit/ha
	Technology option-II (TO ₂)	:	Installation of Yellow sticky trap @50/ha, Alternate spraying of (Spirotetramat 11.01+Imidacloprid 11.01 SC) @ 500 ml/ha and Neem oil (300 ppm) @ 2.5 lit/ha
xiii.	Critical Inputs	:	Spirotetramat 11.01+Imidacloprid 11.01 SC), Spiromesifen 22.9 SC,Yelloow Sticky trap Neem oil (300 ppm)
xiv.	Unit Size	:	0.08 ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 2000
xvii.	Total Cost	:	Rs. 20000
xviii.	Monitoring Indicator	:	No of whitefly and red spider mite population from six apical leaves(2 each from top,middle and bottom canopy),Yield(Kg/ha),B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	BCKV, WEST BENGAL,2017

OFT-3

i.	Season	:	<i>Kharif, 2023</i>
ii.	Title of the OFT	:	Assessment of aeration in Aquaculture for off season fish seed production
iii.	Thematic Area	:	Micro Irrigation
iv.	Problem diagnosed	:	Non availability of fish seed in off season
v.	Important Cause	:	Aeration of farm pond for better oxygenation and off-season fish seed production.
vi.	Production system	:	Pond Based
vii.	Micro farming system	:	Rainfed
viii.	Technology for Testing	:	Aeration through mechanical means in farm pond
ix.	Existing Practice	:	Seed production during July
x.	Hypothesis	:	Proper aeration helps to improve water quality (DO, Temp.)
xi.	Objective(s)	:	To assess different aeration practices in Aquaculture
xii.	Treatments:		
	Farmers Practice (FP)	:	No Aeration practices by external means
	Technology option-I (TO ₁)	:	Paddled wheel Aerator
	Technology option-II (TO ₂)	:	Sprinkler based aeration
xiii.	Critical Inputs	:	Sprinkler
xiv.	Unit Size	:	1ac.
xv.	No of Replications	:	4
xvi.	Unit Cost	:	2000
xvii.	Total Cost	:	20000
xviii.	Monitoring Indicator	:	Diameter of coverage, Pressure available, DO, Survivability
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA, NFDB, KVK, OUAT, Nayagarh

OFT-4

i.	Season	:	<i>Rabi, 2023-24</i>
ii.	Title of the OFT	:	Assessment on Tractor Operated Seed drill for green gram sowing
iii.	Thematic Area	:	Farm Mechanization
iv.	Problem diagnosed	:	Broadcasting seeds with higher seed rate
v.	Important Cause	:	Line sowing, Uniform seed rate, less labour requirement with less time consuming.
vi.	Production system	:	Rice-green gram
vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Tractor operated Seed drill
ix.	Existing Practice	:	Broadcasting method of sowing
x.	Hypothesis	:	Comparatively less time, labour and seed rate will be required for sowing by tractor operated seed drill than conventional method.
xi.	Objective(s)	:	To assess the tractor operated Seed drill for green gram sowing
xii.	Treatments:		
	Farmers Practice (FP)	:	Manually Random broadcasting
	Technology option-I (TO ₁)	:	Tractor operated Seed drill with Zero tillage
	Technology option-II (TO ₂)	:	Happy seeder
xiii.	Critical Inputs	:	Tractor operated Seed drill/Happy seeder
xiv.	Unit Size	:	10 units
xv.	No of Replications	:	10
xvi.	Unit Cost	:	RS. 1500
xvii.	Total Cost	:	RS. 15000
xviii.	Monitoring Indicator	:	Labour Requirement (MDs/ha), Yield(q/ha), Depth of sowing(cm) Seed rate (Kg/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, specify)	:	AICRP on FIM, CAET, OUAT

i.	Season	:	Kharif 2023
ii.	Title of the OFT	:	Assessment of influence of age of the spawn on the yield of paddy straw mushroom.
iii.	Thematic Area	:	Income generation
iv.	Problem diagnosed	:	Low yield of Paddy straw mushroom due to influence of age of the spawn
v.	Important Cause	:	Over growth of PSM spawn in Paddy straw mushroom cause low income
vi.	Production system	:	Homestead
vii.	Micro farming system	:	Green shade net house and under the tree
viii.	Technology for Testing	:	Age of the spawn on the yield of paddy straw mushroom
ix.	Existing Practice	:	Cultivation of paddy straw mushroom using full growth spawn
x.	Hypothesis	:	Low yield of Paddy straw mushroom due to over growth of mushroom spawn
xi.	Objective(s)	:	To assess the age of the spawn on the yield of paddy straw mushroom
xii.	Treatments:		
	Farmers Practice (FP)	:	2% dry substrate weight 20 days age spawn, soaking of straw in 2% CaCo ₃ and 150g red gram powder per 10 kg substrate
	Technology Option-I (TO ₁)	:	2% dry substrate weight 12 days age spawn with soaking of straw in 2% CaCo ₃ and 150g red gram powder per 10 kg substrate
	Technology Option-II (TO ₂)	:	2% dry substrate weight 15 days age spawn, soaking of straw in 2% CaCo ₃ and 150g red gram powder per 10 kg substrate
xiii.	Critical Inputs	:	Paddy straw mushroom spawn
xiv.	Unit Size	:	10
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs 1000
xvii.	Total Cost	:	Rs 10000/
xviii.	Monitoring Indicator	:	Days of 1 st flush, Average fruit body weight
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012

i.	Season	:	<i>Kharif, 2023</i>
ii.	Title of the OFT	:	Assessment of drudgery on different maize sheller suitable for farm women
iii.	Thematic Area	:	Drudgery reduction
iv.	Problem diagnosed	:	More drudgery and time consumption in shelling of maize manually
v.	Important Cause	:	Drudgery reduction of farm women with increasing their working efficiency
vi.	Production system	:	Homestead
vii.	Micro farming system	:	Backyard
viii.	Technology for Testing	:	Drudgery reduction of farm women using suitable maize seller
ix.	Existing Practice	:	Manual shelling of maize
x.	Hypothesis	:	Shelling of maize seeds by fingers is a tedious process and in mass scale, it becomes painful to do the job
xi.	Objective(s)	:	To reduce drudgery as well as time of operation
xii.	Treatments:		
	Farmers Practice (FP)	:	Manual shelling of maize
	Technology Option-I (TO ₁)	:	CIWA flexible hand operated maize sheller
	Technology Option-II (TO ₂)	:	Pedal operated maize sheller
xiii.	Critical Inputs	:	Maize sheller
xiv.	Unit Size	:	10 UNITS
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Heart beats (beats/min), Working efficiency, Output(kg/hr)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIWA (2017) CAET, OUAT (2019)

i	Season:	<i>Kharif, 2023</i>
ii	Title of the OFT:	Assessment of Sweet corn hybrids under Glaricidia based Agro-forestry system
iii	Thematic Area:	Agroforestry management
iv	Problem diagnosed:	Mono-cropping of tree species which remained vacant
v	Important Cause:	Interspaces are unutilized in tree plantation
vi	Production system:	Agri-Silvi Agroforestry system
vii	Micro farming system:	Rain-fed upland
viii	Technology for Testing:	Different sweet corn varieties are planted in the interspaces of teak plantation
ix	Existing Practice:	No cultivation practice in tree plantation
x	Hypothesis:	Sweet corn yield can give extra income beside long term tree benefits
xi	Objective(s):	To find out the suitable sweet corn varieties that give additional income besides tree plantation
xii	Treatments:	
	Farmers Practice (FP):	No cultivation
	Technology option-I (TO ₁):	Pusa Super Sweet-corn 1
	Technology option-II (TO ₂):	VL Sweet-corn Hybrid 1
xiii	Critical Inputs:	Vermicompost, Sweetcorn seeds
xiv	Unit Size:	0.4ha
xv	No of Replications:	07
xvi	Unit Cost:	2,000
xvii	Total Cost:	14,000
xviii	Monitoring Indicator:	No. of cobs/plant, Plant height, Yield
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other	Annual Report, OUAT - 2019

i	Season	<i>Kharif, 2023</i>
ii	Title of the OFT	Assessment of Intercropping in Mango farming system
iii	Thematic Area	Agroforestry Management
iv	Problem diagnosed	Most of the mango plantations are remain vacant and no intercropping is practised in this farming system
v	Important Cause	Interspaced are unutilized in tree plantation
vi	Production system	Mango-spices (Agri-Horti) Agroforestry system
vii	Micro farming system	Rain-fed upland
viii	Technology for Testing	Planting pineapple, yam and ginger in mango plantation
ix	Existing Practice	No cultivation practice in tree plantation
x	Hypothesis	Intercropping of fruits and spices can increase farm income
xi	Objective(s)	To find out the suitable crops in mango plantation
xii	Treatments	
	Farmers Practice (FP):	No practice
	Technology option-I (TO ₁):	Pine apple
	Technology option-II (TO ₂)	ginger
xiii	Critical Inputs:	Pine apple sucker and ginger seeds
xiv	Unit Size:	0.4 ha
xv	No of Replications:	03
xvi	Unit Cost:	3,000
xvii	Total Cost:	9,000
xviii	Monitoring Indicator:	Yield
xix	Source of Technology (ICAR/ AICRP/ SAU/ Other)	ICAR-CHES - 2016

OFT-9

i.	Season	:	<i>Kharif, 2023</i>
ii.	Title of the OFT	:	Refinement of management practices for control of Argulus in Fishes in carp polyculture
iii.	Thematic Area	:	Health Management
iv.	Problem diagnosed	:	Less production
v.	Important Cause	:	Fish mortality due to Argulosis in carp polyculture
vi.	Production system	:	Culture based system
vii.	Micro farming system	:	Pisciculture pond
viii.	Technology for Testing	:	Different Chemicals for control of Argulus in fish
ix.	Existing Practice	:	Application of lime 100kg/ha.
x.	Hypothesis	:	Control of crustacean ectoparasite
xi.	Objective(s)	:	Removal of Argulus from freshwater fish body as well as pond ecosystem
xii.	Treatments:		
	Farmers Practice. (FP)	:	Cypermethrin 10% EC @ 0.01 ppm in water
	Technology Option-I (TO ₁)	:	Ivermectin 2% w/w@ 250g/ 1 ton feed
	Technology Option-II (TO ₂)	:	CIFRIARG (DANDAV)
	Technology Option-II (TO ₃)	:	CIFRIARG (DANAV)
xiii.	Critical Inputs	:	Chemicals for control of Argulus
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Argulus Population / Fish, Fish Mortality (%), Argulosis Incidence (Day, Fish wt.(gm.), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA (2018), BENFISH (2018), CIFRI, Barrackpore

OFT-10

i.	Season	:	<i>Rabi, 2023-24</i>
ii.	Title of the OFT	:	Assessment of suitable species in Biofloc technology
iii.	Thematic Area	:	Varietal Evaluation
iv.	Problem diagnosed	:	Less production from biofloc unit with IMC
v.	Important Cause	:	Sustainability of biofloc technology
vi.	Production system	:	Tank based
vii.	Micro farming system	:	Poly tank
viii.	Technology for Testing	:	Suitable species in Biofloc
ix.	Existing Practice	:	Practice with IMC
x.	Hypothesis	:	The selected species were having feeding habit of omnivorous and detritus
xi.	Objective(s)	:	To get maximum production comparison to IMC
xii.	Treatments:		
	Farmers Practice (FP)	:	IMC
	Technology Option-I (TO ₁)	:	Tilapia
	Technology Option-II (TO ₂)	:	Amur carp
	Technology Option-II (TO ₃)	:	Pangas
xiii.	Critical Inputs	:	Fingerlings of species
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIBA, ICAR-CIFA, ICAR-CIFRI

OFT-11

i.	Season	:	Kharif & Rabi 2023-24
ii.	Title of the OFT	:	Assessment of effectiveness of different mobile apps in delivering agricultural information to farmers
iii.	Thematic Area	:	Technology dissemination
iv.	Problem diagnosed	:	Poor efficacy in agricultural information delivery system
v.	Important Cause	:	Multiplicity of apps in agricultural information delivery creates confusion among farmers
vi.	Production system	:	--
vii.	Micro farming system	:	--
viii.	Technology for Testing	:	Assessment of effectiveness of different mobile apps in delivering agricultural information to farmers
ix.	Existing Practice	:	Farmers get information from various private apps, websites, peer groups, ext. functionaries, input dealers etc.
x.	Hypothesis	:	Designated Apps have more efficacies in information delivery system.
xi.	Objective(s)	:	To assess the effectiveness of different mobile apps in delivering agricultural information to farmers
xii.	Treatments	:	
xiii.	Farmers Practice (FP)	:	Farmers get information from various private apps, websites, peer groups, ext. functionaries, input dealers etc.
xiv.	Technology Option-I	:	Information through Kisan Suvidha app Govt. of India, 2016
xv.	Technology Option-II	:	Information through Pusa Krishi app IARI, 2016
xvi.	Technology Option-III	:	Information through IFFCO Kisan app IFFCO, 2015
xvii.	Critical Inputs	:	Interview schedule and farmers feedback
xviii.	Unit Size	:	120 no beneficiaries
xix.	No of Replications	:	--
xx.	Unit Cost	:	--
xxi.	Total Cost	:	--
xxii.	Monitoring Indicator	:	Understanding of the message time based information, suitability of technology user friendliness, retention of message, percentage of adoption.
xxiii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	--

OFT-12

i.	Season	:	<i>Kharif & Rabi, 2023-24</i>
ii.	Title of the OFT	:	To Assessment the performance of FPOs with varied level of task and commodity to enhance income
iii.	Thematic Area	:	Performance evaluation
iv.	Problem diagnosed	:	Low bargain price of the commodity due to un-organised farmer groups
v.	Important Cause	:	Price fluctuation and Net return per unit area is less.
vi.	Production system	:	--
vii.	Micro farming system	:	Rice-Pulses, Vegetable-Vegetables
viii.	Technology for Testing	:	Assessment the performance of FPOs with varied level of task and commodity to enhance income
ix.	Existing Practice	:	Farmers market their commodity through intermediaries & wholesaler etc.
x.	Hypothesis	:	Farmers get reasonable price of his product if marketed through FPOs
xi.	Objective(s)	:	To analyze the strength and weakness of FPOs in terms of production techniques, marketing and management aspects
xii.	Treatments:		
	Farmers Practice (FP)	:	Farmers marketing their produce through intermediaries- Middle Man, whole seller, Local Traders, Out Side Traders
	Technology Option-I	:	FPOs dealing with single commodity with single task – Marketing of specific commodity by various channels
	Technology Option-II		FPOs dealing with single commodity with multiple tasks- services provided from Production to marketing of a specific commodity
	Technology Option-III		FPOs dealing with multi commodities with single task- Marketing of several commodities by various channels
	Technology Option-IV		FPOs dealing with multi commodities with multiple tasks- services provided from Production to marketing of several commodities.
xiv.	Critical Inputs	:	Interview schedule and farmers feedback
xv.	Unit Size	:	100 no beneficiaries
xvi.	No of Replications	:	--
xvii.	Unit Cost	:	--
xviii.	Total Cost	:	--
xix.	Monitoring Indicator	:	Total share capital deposited in the bank No of members Type of commodity Annual turnover Business plan and market linkage No of FIGs Meeting status Volume of commodity Annual profit
xx	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	--

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	ARYA	20,00,000
2	SCSP	25,00,000
3	ASCI	4,00,000
4	MIDH	20,00,000
5	PHC	25,00,000
6	AGRI-SPRAY DRONE	17,00,000
7	OFF SEASON FISH SEED PRODUCTION THROUGH GREEN ENERGY	141,00,000
8	PROJECT ON FPOs	4.5 CRORE
9	FISHERIES PROJECT	5.6 CRORE

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

- Agri-preneurship development through ARYA interventions.
- Farm promoters for upscaling technology in the field of agriculture extension
- Farm Mechanization in Rice cultivation
- Farm Mechanization in sugarcane cultivation
- Sugarcane jaggery preparation as a cottage industry
- Off season fish seed production

12. Scientific Advisory Committee

Date of SAC meeting held during 2022	Proposed date during 2023
16.01.2023	15.12.2023

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	700	80	25	80	25	440	50	600	100	700	40	700
Water Samples	50	5	5	5	5	20	10	30	20	50	10	50
Total	750	85	30	85	30	460	60	630	120	750	40	750

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2022	Expected fund requirement (Rs.)
KVK-R	14,00,000	20,00,000
KVK-NR	5,00,000	15,00,000
Total	19,00,000	35,00,000

* 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