ACTION PLAN- 2022-23 , KVK, Ganjam-II

1. Name of the KVK:

Address	Telephone		E mail
Krishi Vigyan Kendra, Ganjam-II At: Golanthara; **P.O: Golanthara; Berhampur; Dist: Ganjam;** **Odisha – 761008**	**09937789325**		kvkganjam2.ouat@gmail.com **kvkganjam2@yahoo.com**

2.Name of host organization :

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

3.Training programme to be organized (January 2022 to December 2022)

(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
Crop production	Nursery Management in rice	1	1day	Off	26.05.2022									25
Crop production	Improved package of practices of Ragi	1	1day	Off	06.06.2022									25
Crop production	SRI system of rice production	1	1 day	Off	17.06.2022									25
Natural Resource Management	Integrated Weed management in rice	2	2 days	On	02.07.2022 20.08.2022									50
Crop production	Irrigation management in crops	1	2 days	On	19.07.2022 22.07.2022									25
Crop production	Scientific cultivation of Fodder crops	1	1 day	Off	06.08.2022									25
Crop production	Maize pulse Intercropping	1	1 day	Off	17.08.2022									25

Crop production	Improved package of practices of pulse crop	1	1 days	On	09.09.2022									25
Natural Resource Management	Integrated weed management in groundnut	1	1 days	On	23.09.2022									25
Crop production	Integrated weed management in greengram/blackgram	1	1day	Off	10.10.2022									25
Crop production	Improved package of practices of sunflower	1	1 day	Off	11.11.2022									25
Crop production	Improved package of practice of sesame	1	1 day	Off	27.12.2022									25
Production and Management technology	Production technology of Colocasia, Yam, Elephant foot yam	1	1 day	Off	27.05.2022									25
Yield increment	Improved agro techniques of bitter gourd, bottle gourd, spine gourd, pointed gourd	1	1 day	Off	23.06.2022									25
Off season vegetable	Production technology for off season vegetables	1	2 day	On	06.07.2022 & 07.07.2022									50
Cultivation of Fruit	Cultivation of Papaya, Banana, Dragon fruit	1	1 day	Off	27.7.2022									25
Export potential of ornamental plants	Production technology for increasing yield of Kewda	1	1 day	Off	19.8.2022									25
Spice production	Scientific Cultivation Of Onion, ginger, Chilli	1	1 day	Off	6.9.2022									25
High vale vegetable	Scientific Cultivation Of Capsicum, red cabbage cherry Tomato	1	1 day	Off	23.9.2022									25
Export potential of ornamental plants	Production technology of Marigold, Tuberose ,Jasmine	1	2 day	Off	20.10.2022									25
Export potential	Cultivation of,	1	1 day	Off	2.11.2022									25

vegetables	Cauliflower, Cabbage, Brocolli in scientic manner													
Propagation techniques of Ornamental Plants	Agrotechniques of Rose Gladiolus Gerbera cultivation	1	2 day	On	17.11.2022 & 18.11.2022									25
Export potential fruits	Cutltivation of mango, Guava, Custardapple	1	1 day	Off	9.12.2022									25
Production and Management technology	Seed production techniques in Onion	1	1 day	Off	15.12.2022									
Soil management	Importance of soil testing and technique of soil sampling.	1	1 day	Off	27.04. 2022									25
Soil management	Soil fertility management	1	1 day	Off	18.5.2022									25
Soil management	Green manuring in rice	1	1 day	Off	22.6.2022									25
use of organic inputs	Production technology of vermicompost and its uses	1	2 day	ON	4.7. 2022 & 5.7.2022									25
Soil fertility management	Soil fertility management	1	1 day	Off	21.7. 2022									25
Use of organic inputs	Application and importance of biofertilisers on vegetable crops	1	2 day	ON	4.8.2022 & 5.8,2022									25
Integrated Nutrient Management	INM in solanaceous vegetables	1	1 day	Off	30.08. 2022									25
atural farming	Zero budget natural farming	1	1 day	Off	08.09. 2022									25
Integrated Nutrient Management	Training on INM in pulses	1	1 day	Off	22.9. 2022									25
Production and use of organic inputs	Production technology of vermicompost and its uses	1	1 day	Off	21.10. 2022									25
Nutrient Use Efficiency	Nutrient management in fruit crops	1	1 day	Off	9.11. 2022									25
Use of micronutrient	Use of secondary and micronutrients vegetable crop	1	1 day	Off	23.12. 2022									25
IPM	Borer pest management in bittergourd	1	1 day	Off	12.04.2022									25
IDM	Blast disease management in ragi .	1	1 day	On	04.05.2022									25
IDM	Blast and sheath	1	1 day	Off	27.05.2022									25

	blight disease management rice.													
IDM	Disease management in betelvine	1	1 day	On	09.06.2022									25
IDM	Disease and pest management in sunflower .	1	1 day	Off	29.06.2022									25
IDM	Wilt and rotting disease management in tomato.	1	1 day	On	07.07.2022									25
IDM	Stone weevil management in Mango.	1	1 day	On	21.07.2022									25
IDM	Shoot and fruit borer management in brinjal .	1	1 day	Off	03.08.2022									25
IPM	Leaf curl disease management in chilli .	1	1 day	On	30.08.2022									25
IDM	Colar rot management in groundnut .	1	1 day	Off	06.09.2022									25
IPM	Aphid management in Marigold.	1	1 day	On	28.09.2022									25
IPM	Nursery disease management in rabi rice.	1	1 day	Off	20.10.2022									25
IPM	Method of sowing & preparation of pesticide formulation	1	1 day	Off	12.11.2022									25
IPM	Indigenous technology knowledge in insect pests &disease control	1	1 day	Off	05.12.2022									25
Production and management	Feed management in pisciculture	01	1 day	Off	11.05.2022									25
Production and management	Common parasitic infections in fish & its remedial measures	01	1 day	Off	28.05.2022									25
Production and management	Pre stocking in management pre pisciculture tank	01	1 day	Off	04.06.2022									25
Production and management	Post stocking in management pre pisciculture tank.	01	1 day	Off	24.06.2022									25
IFS	Integrated fish farming	01	1 day	Off	8.07.2022									25

Production and Management	Fish seed production technology in small tanks	01	1 day	Off	29.07.2022									25
Production and management	Adverse aquatic environment & its remedial measures	01	1 day	Off	05.08.2022									25
Production and management	Scientific GIFT tilapia farming	01	1 day	Off	19.08.2022									25
Production and management	Manuring of pond for enhance fish productivity	01	1 day	Off	7.09.2022									25
Production and management	Plankton Management in Grow-out pond culture	01	1 day	Off	22.09.2022									25
Production and management	Control and eradication of algal blooms and weeds in fish culture	01	1 day	Off	04.10.2022									25
Post-harvest management	Value addition and value added products from fish and shell fish	01	1day	Off	27.10.2022									25
Production and management	Species diversification in Aquaculture and its Importance	01	1 day	Off	08.11.2022									25
Production and management	High input based Aquaculture Practicess	01	1 day	Off	23.11.2022									25
Formation of social Institutions	Formation, management and strengthening of SHG, FIG, CIG, JLG and WIG	2	3	On/off	8.4.2022 9.4.2022 & 20.12.22									50
Effective utilization of resources	Agro-forestry model and its importance on livelihoods	1	2	On	10.5.2022 11.5.2022									25
Institutional Development	Formation of Farmers Producer Organization	1	2	On	10.6.2022 11.6.2022									25
Technology Transfer	Adoption of climate-resilient practices for sustainable agriculture	1	2	On	21.7.2022 22.7.2022									25
Technology Transfer	Production led extension to market led extension	1	1	Off campus	28.7.2022									25
Technology	New dimension of	1	1	On	19.8.2022									25

Transfer	extension approaches			campus	20.8.2022									
Farm to Fork	Collective marketing for higher income and profit	1	1	Off campus	25.8.2022									25
Fodder production	Fodder cultivation for big and small ruminants	1	1	Off campus	13.9.2022									25
Soil and water conservation	In-situ moisture conservation technologies for better land and water management	1	1	Off campus	28.9.2022									25
Rural Entrepreneurships	Rural Entrepreneurships development through income generating activities	1	1	Off campus	21.10.2022									25
Rural Entrepreneurships	Development of Integrated farming system for small & marginal farmers	2	2	Off campus	02.11.2022 16.12.2022									50
Management of natural Resources	Conservation and Management of Natural Resources	1	1	Off campus	17.11.2022									25
Value addition	Value added product from fruit veg.	2	2	On campus	12.10.2022 07.12.2022									50
Nutritional security	Nutritional garden	2	2	Off campus	21.07.2022 22.11.2022									50
Income generation	Backyard poultry for income generation	1	1	Off campus	28.11.2022									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**
Crop production	Seed production in rice	1	2 days	On	04.07.2022& 05.07.2022									15
Crop production	Quality seed production in pulses	1	2 days	Off	13.09.2022 & 14.09.2022									15
Natural Resource	Sustainable Agriculture	1	2 days	On	16.11.2022& 17.11.2022									15

Management														
Natural Resource Management	Climate change and its impact on agriculture	1	2 days	On	07.12.2022& 08.12.2022									15
Nursery Management of Horticulture crops	Quality planting material production	1	2day	On	August									15
Protected cultivation of vegetable crops	Cultivation of high value vegetable under protected environment	1	2day	On	September									15
Commercial fruit production	Scientific cultivation of Papaya, Banana, Mango	1	2day	On	October									15
Commercial flower production	protected Cultivation of Rose, Orchids,Gerbera	1	2day	On	November									15
Production and use of organic inputs	Training on vermiculture and vermicomposting	2	4 day	On	August 2nd week October 2nd week									15
Employment Generation	Entrepreneurship development through Production of Organic inputs	2	4 day	On	September3rd week December 2nd week									15
IPM	Mango Orchard management	1	2days	Off	15.08.2022 to 16.08.2022									15
IPM	Safe use of pesticide	1	2days	Off	27.10.2022 to 28.10.2022									15
1PM	New generation pesticides	1	2days	On	14.11.2022 to 15.11.2022									15
1PM	IPM & IDM in groundnut	1	2days	On	06.12.2022 to 07.12.2022									15
Production & management	High input based Aquaculture practices (BIOFLOC)	1	2day	on	16.08.2022 to 17.08.2022									15
Production & management	Package and practices of Fingerling and Yearling	1	2day	on	22.10.2022 to 23.10.2022									15

	production													
Production & management	Ornamental fish culture as an Income generating activity	1	2day	on	13.11.2022 to 14.11.2022									15
Post-harvest management	Value addition and value added product preparation	1	2day	on	04.12.2022 to 05.12.2022									15
Agri-preneurship Development	Agri-preneurship Development towards self sufficiency	1	2 days	On	25.8.2022 26.8.2022	1	1	1	1	8	3	10	5	15
Value Chain	Value Chain analysis of major Agril. Commodities	1	2 days	On	26.10.2022 27.10.2022	1	1	0	0	8	5	9	6	15
Climate smart agriculture	Climate smart agriculture for sustainable development	1	2 days	On	15.11.2022 16.11.2022	1	1	1	1	8	3	10	5	15
Agriculture Innovation	New Dimension of Agriculture for all-round development	1	2 days	On	20.12.2022 21.12.2022	1	1	0	0	8	5	9	6	15

(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**
Natural Resource Management	Integrated weed management in crops	1	1day	On	11.01.2023									10
Natural Resource Management	Crop Diversification	1	1day	On	08.02.2023									10
Precision farming	Recent technologies for productivity enhancement in vegetable crops	1	1 days	On	December									10
Production and management	Seed production	1	1 days	On	January									10

	technology in vegetable crops													
INM	Integrated nutrient management for sustainable agriculture	1	1 days	on	November 3rd week									
Use of organic inputs	Organic farming for sustainable agriculture	1	1 days	on	December 4th week									
IPM	IPM in rice	1	1 days	on	01.12.2022									10
IPM and IDM	IPM and IDM in brinjal crops	1	1 days	on	14.12.2022									10
Production and Management	Recent Advances in Aquaculture Practices	1	1 day	On	02.12.2022									10
Production and Management	Tools for accessing soil, water and disease diagnosis and treatment	1	1 day	On	13.12.2022									10
Group dynamics	Formation & management of Farmer producer Organization	1	1	On	10.11.2022	1	1	0	0	5	3	6	4	10
Application of ICTs	Use of ICT (Information Communication Technology) in Agriculture	1	1	On	13.12.2022	1	1	0	0	5	3	6	4	10

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	3												75
Resource Conservation Technologies													
Cropping Systems	1												25
Crop Diversification													
Integrated Farming													
Water management	1												25
Seed production	1												25
Nursery management	1												25
Integrated Crop Management	5												125

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
Fodder production	1												25
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	13												325
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development	1												25
Yield increment	1												25
Production of low volume and high value crops													
Off-season vegetables	1												25
Nursery raising													
Exotic vegetables like Broccoli	1												25
Export potential vegetables	1												25
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	5												125
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit	1												25
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits	1												25
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	2												50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants	2												50
Propagation techniques of Ornamental Plants	1												25
Others, if any													
TOTAL	3												75
d) Plantation crops													
Production and Management technology													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology	1												25
Processing and value addition													
Others, if any													
TOTAL	1												25
f) Spices													
Production and Management technology	1												25
Processing and value addition													
Others, if any													
TOTAL	1												25
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL	12												300
III. Soil Health and Fertility Management													
Soil fertility management	2												50
Soil and Water Conservation													
Integrated Nutrient Management	3												75
Production and use of organic inputs	3												75
Management of Problematic soils													
Micro nutrient deficiency in crops	1												25
Nutrient Use Efficiency	1												25
Soil and Water Testing	2												50
Others, if any													
TOTAL	12												300
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													

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
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	2												50
Income generation activities for empowerment of rural Women	2												50
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	1												25
TOTAL	5												125
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	5												125
Integrated Disease Management	8												200
Bio-control of pests and diseases	1												25
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	14												350

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
VIII. Fisheries													
Integrated fish farming	1												25
Carp breeding and hatchery management	1												25
Carp fry and fingerling rearing	2												50
Composite fish culture & fish disease	4												100
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2												50
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	1												25
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	1												25
Others, if any	2												50
TOTAL	14												350
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	2												50
Formation and Management of SHGs	2												50
Mobilization of social capital	2												50
Entrepreneurial development of farmers/youths	2												50

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
WTO and IPR issues													
Others, if any	6												150
TOTAL	14												350
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	84												2100

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	2	30											30
Production of organic inputs	2	30											30
Planting material production	1	15											15
Vermi-culture	2	30											30
Sericulture													
Protected cultivation of vegetable crops	1	15											15
Commercial fruit production	1	15											15
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops	1	15											15
Training and pruning of orchards													
Value addition													
Orchard management by controlling pest and disease	1	15											15
Safe use of pesticide	1	15											15
New generation	1	15											15

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
pesticides													
IPM & IDM in groundnut	1	15											15
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries	1												15
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1												15
Small scale processing													
Post Harvest Technology	1												15
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1												15
Others if any (ICT application in agriculture)	6												90
TOTAL	24												360

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1												10
Integrated Pest Management	1												10
Integrated disease management	1												10
Rejuvenation of old orchards													
Value addition													

Protected cultivation technology	2												20
Formation and Management of SHGs	1												10
Group Dynamics and farmers organization	1												10
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1												10
Gender mainstreaming through SHGs													
Crop intensification													
Others if any	4												40
TOTAL	12												120

4. Frontline demonstration to be conducted*

FLD-1 (Agronomy) Demonstration of high yielding fodder varieties for round the year production
Crop: Fodder crops
Thrust Area: Fodder Production
Thematic Area: Fodder Production
Season:Kharif 2022
Farming Situation:Rainfed upland(fallow)

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	Fodder crops	2 ha	Demonstration of high yielding fodder varieties for round the year production (.Cultivation of variety of fodder grasses Hybrid Napier, fodder maize , fodder cowpea	Green fodder yield/ha, Cuttings/Year Cost of intervention. B:C ratio	Fodder crop cuttings	14000										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	Scientific cultivation of fodder crops	1	Farmers and farm women	1	Off									
Field Day	Demonstartion of perennial fodder crops cultivation for year round availability	2	Farmers and farm women,AAO,BAO VAW, KRUSHIMITRA	2days	Off									

FLD-2 (Agronomy) Demonstration of Cultivation of Blackgram variety OBG-33(Sashi)
Crop:Blackgram
Thrust Area: Crop Diversification
Thematic Area: Varietal Replacement
Season:Rabi 2022-23
Farming Situation:Irrigated medium land(Rice-Pulse)

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	Blackgram	2ha	Demonstration of Cultivation of Blackgram variety OBG-33(Sashi) Duration: 75 days Potential yield: 8.4 q/ ha Adaptability: Rabi season and rainfed uplands during kharif in Odisha Yield Advantage : 13.5 % over Prasad Other characteristics: Moderately resistant to YMV, Anthracnose and Powdery	No of pods/plant, no of seeds/pod, test weight, yield, Economics	Blackgram seed	14000.00	8000.00									10

			mildew													

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved package of practice of pulse crops	1	Farmers and farm women	1 day	Off									
Field day	Demonstration of high yielding blackgram variety OBG 33(Sashi)	2	Farmers and farm women,AAO,BAO VAW, KRUSHIMITRA	2 days										

FLD-3 (Horticulture): Demonstration on INM on growth, yield and quality of tuberose

Crop: Tuberose
Thrust Area: Reducing flower
Thematic Area: Plant growth regulator application
Season: Kharif 2022
Farming Situation: Rainfed, medium land, floriculture-floriculture cropping system

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

1	Tuberose	1 ha	Application of 75% N (Urea) + 25% N (mustard oilcake) of recommended dose of 200:200:200 kg /ha NPK along with 10t/ha FYM.	Number of spikes/plant, Number of flowers/spike, flower length, Days to fifty per cent flowering, flower yield/plant,	Plant growth regulator	55000	50000									

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved cultivation of tuberose	1	F/FW	1day	off									25
Field day	Field day on tuberose	2	F/FW, extension functionaries	1 day	off									40

FLD-4 (Horticulture): Demonstration on influence of micronutrient on yield attributes of bitter gourd

Crop: Bitter gourd
Thrust Area: : Improvement in yield of bitter gourd
Thematic Area: Varietal evaluation
Season: Rabi 2022-23
Farming Situation: Rabi, irrigated-medium land, rice-vegetable cropping system

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

1	**Bitter gourd**	0.4ha	Foliar application of B and Zn @ 100 ppm each at 30-35 days after sowing.	No. of fruits/vine, Fruit yield/vine	Seeds	27000	22000									

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved package of practices of gourd crops	1	F/FW	1day	Off									25
Field day	Field day on Improved cultivation of bitter gourd	2	F/FW, extension functionaries	1 day	Off									40

FLD-5 (Horticulture): Demonstration on application of herbicides against weed flora in onion

Crop: Onion

Thrust Area: Increase in yield of onion by reducing the loss due to weed infestation

Thematic Area: Weed Management

Season: Rabi, 2022-23

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

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Onion	1 ha	Combined spray of pendimethalin 30EC @ 2.5ml/lit and quizalofop ethyl 5EC @ 1.75ml/lit at the time of planting and at 30 DAT	No of weeds per sqm, WCE(%), Yield(q/ha),	Pendimethalin and quizalofop ethyl	55000	50000									

Extension and Training activities under FLD

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Improved cultivation of chilli	1	F/FW	1day	off									25
Field day	Field day on foliar application of growth regulator in chilli	2	F/FW, extension functionaries	1 day	off									40

FLD-6 (Horticulture): Demonstration on trellies system in pointed gourd for higher production

Crop: Pointed gourd
Thrust Area: : Improvement in yield of pointed gourd
Thematic Area: Varietal evaluation
Season: Rabi 2022 -23
Farming Situation: Irrigated-medium land , Vegetable –vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Pointed gourd	0.4ha	Bower type trellies system	Length of fruit (cm) wt of fruit(g), incidence of fruit rot, No. of fruits/vine, Fruit yield/vine	Seeds	27000	22000									

Extension and Training activities under FLD:

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

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

FLD-7 (Soil Science): Demonstration on integrated nutrient management in okra
Crop: Okra
Thrust Area: INM
Thematic Area: Nutrient management
Season: Kharif 2022
Farming Situation: Rainfed medium land, Vegatable-Vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Okra	1ha	Integrated application of STBF NPK + FYM (5 t/ha) + lime@0.2LR	No. of fruits/plant, Soil testing values before and after crop	Biofertilisers, neem cake	103000	95000									10

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Training	INM in okra	1	25	1day	off									25

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

FLD-8 (Soil Science): Demonstration on consortia biofertiliser application in brinjal
Crop: **Brinjal**

Thrust Area: INM
Thematic Area: Nutrient management
Season:Kharif, 2022

Farming Situation: Rainfed medium land ,vegetable-vegetable cropping system

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
	Brinjal	1ha	STBF+ inoculation of OUAT consortia bio-fertilisers to pre-limed (5%) 300 Kg FYM/VC (1:25) incubated for 7 days at 30% moisture and applied in the rhizosphere on the day of planting	No. Fruits/plant, fruit wt. Soil testing values before and after crop	OUAT microbial consortia	105000	96000									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	Role and uses of bio fertilisers in vegetables	1	25	1day	off									25
Field day	Demonstration on consortia biofertiliser application in brinjal	2	F/FW, Extension functionaries	2 day	off									40

FLD-9 (Soil Science) Demonstration on application of sulphur in onion

Crop: **Onion**

Thrust Area: INM
Thematic Area: Nutrient management
Season:Rabi 2022-2023
Farming Situation: Irrigated medium land **,** Rice- vegetable/ vegetable- vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
	Onion	1.0ha	Application of STBF based NPK along with sulphur @ 30 kg/ha	Soil parameter before and after crop, Bulb wt, bulb diameter	Elemental sulphur	90000	80000									10

Extension and Training activities under FLD:

Activity	Title of	No.	Clientele	Duration	Venue	No. of		

	Activity				On/Off	Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Use of secondary and micronutrients vegetable crop	1	25	1day	off									25
Field day	Field day on Demonstration on integrated nutrient management in chilli	2	F/FW, Extension functionaries	2day	off									40

FLD-10 (Soil Science) Demonstration on integrated nutrient management in chilli

Crop: **Chilli (**

Thrust Area: INM

Thematic Area: Nutrient management
Season:Rabi 2022-2023
Farming Situation: Irrigated medium land, Rice-vegetable/vegetable-vegetable cropping system

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
	Chilli	1ha	STBF NPK, Nitrogen to be applied in 3 split doses, Soil application of Azospirillum @ 5kg/ha should be	Soil parameter before and after crop, No. of fruit per plant, Avg. fruit wt.	Azospirillum	135000	118000									10

			mixed with 20 kg FYM													

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 role and use of secondary and micronutrients in chilli crops	1	25	1day	off									25
Field day	**Demonstration on integrated nutrient management in chilli**	2	F/FW, Extension functionaries	1day	off									40

FLD-11 (Plant protection) Demonstration on chemical management of BPH In Rice
Crop:Rice

Thrust Area:Pest management
Thematic Area: IPM
Season:Kharif 2022
Farming Situation:**Rainfed low Land** (Rice-pulse cropping system)

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Rice	2 ha	Skip row planting (after 3 m), installation of spider trap @	No .of insect/hill, % of infestation	Flonicamid , pymetrozin											10

			25/ ha.need based alternate spraying (based on ETL) of Flonicamid 50%WG 200 gm/ ha and pymetrozine 50%WG @ 250 gm/ha. with tank mix of neem oil @ 2.5 ml/lt water 175 g/ ha and pymetrozin 50WG @ 250 gm/ha.with tank mix of neem oil													

Extension and Training activities under FLD:

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

FLD-12 **(Plant protection) Demonstration of Integrated disease management practices for Collar rot in Beetle vine**

Crop: **Beetle vine**
Thrust Area: Disease Management .
Thematic Area: IDM
Season:Kharif 2022
Farming Situation: **Irrigated medium land**

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technol	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

				ogy demonstrated												
1	**Beetle vine**	1 ha	Planting material treatment with Tebuconazole @ 1.5 g/lt followed by furrow application of T. viride @ 4kg enriched in 50kg FYM/ha as basal application, then broadcasting of T. viride @ 4kg enriched in 250kg FYM/ha at 40 DAS & 2 sprays of Tebuconazole @ 1ml/lit. starting from initiation of foliar diseases and 2nd spray at 15 days interval .	No .of Rotting plant/m2	T.Viridae , Tebuconazole											10

Extension and Training activities under FLD:

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

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

Crop:**Ragi**
Thrust Area:Disease management
Thematic Area: IDM
Season:Kharif 2022
Farming Situation: Rainfed medium land **(Ragi -Pulse cropping system)**

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

o.	ses	(ha)/Unit (No.)	demonstration	relation to technology demonstrated	of Inputs	o	al	M	F	M	F	M	F	M	F	T
1	Ragi	2 ha	Three sprays of Prochloraz 26.25% + Tricyclazole 22.5% SE @ 1 lt/ha at 10 days interval	Diseased plants/m2	Tricyclazole											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	Leaf Blight management in Paddy	1	Farmer &farmwomen	1day	off									25
Field day	Field dayon Bacterial Leaf Blight management in Paddy	2	F/FW,VAW,NGO members,Krusimitra, Krusaksathietc	1day	off									40

FLD-14 **(Plant protection)** Demonstration on management of Diamond back moth in Cauliflower

Crop: **Cauliflower**

Thrust Area:pest management
Thematic Area: IPM
Season: Rabi 2021-2022
Farming Situation: Irrigated medium land

, Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Cauliflower	1 ha	Spray of Azadiractin 5% @200ml/ha at the time	Damaged head%/m2	Azadiractin, Novaluron 10 %											

			of flowering, Spraying of Novaluron 10 % EC + Emamectin benzoate 5% EC @ 200g/ha twice at 15 days interval.		EC + Emam ectin											

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 Diamond back moth in Cauliflower	1	Farmer &farmwomen	1day	off									25
Field day	Field day on management of Diamond back moth in Cauliflower	2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc	2day	off									40

FLD-15 **(Fisher)**Demonstration on use of floating fish feed for yield enhancement in pisciculture

Crop: **Fish**

Thrust Area:Fish productivity improvement by feed management
Thematic Area: Feed management
Season: Year Round 2022-23 (**Year-II)**

Farming Situation: Rain-fed/Irrigated

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fish	2	SD-7,500 advanced fingerlings/ ha;	Yield Parameter (Fish)- Avg.				2	3	1	-	4	-	7	3	10

			Stocking ratio:30:40:30 (3 Species Culture) / 25:35:20:10:10 (5 species culture). Floating fish feed of CP level range 24-30 will be fed twice daily along with maintenance of optimum soil and water quality.	Body Wt., % of Survivability												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training		1	Farmer &farmwomen	1day	off	4	5	-	-	14	02	18	07	25
Field day		2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc	2day	off	9	6	2	-	14	09	25	15	40

FLD-16 **(Fishery)** Demonstration on use of Probiotic for enhanced pond productivity

Crop: **Fish**

Thrust Area: Soil and Water Quality management
Thematic Area: Production and Management
Season: Year Round 2022-23 (**Year-I)**

Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology	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

				demonstrated												
1	Fish	05	Both the Water and Soil probiotic contains the mixture of Heterotrophic and Autotrophic bacteria, helps in assimilation of organic materials, thereby reducing the harm-ful effect in the water column as well in the pond bottom	**Growth Parameter:** Avg. Body Wt. & Length, Survivability%, SGR (%); **Water quality Parameter:** Plankton, pH, DO_2, Alkalinity, Hardness										5	5	10

Extension and Training activities under FLD:

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

FLD-17 **(Fisher)** Demonstration on yearlings production

Crop: **Fish**

Thrust Area: Fish Seed Production
Thematic Area: Production and Management
Season: **Round the year, 2022-23**
Farming Situation:

Sl. N	**Crop & variety / Enterpri**	**Propo sed Area**	**Technolog y package for**	**Parameter (Data) in**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**			
					Name	**Dem**	**Loc**	**SC**	**ST**	**Other**	**Total**

o.	ses	(ha)/Unit (No.)	demonstration	relation to technology demonstrated	of Inputs	o	al	M	F	M	F	M	F	M	F	T
1	Fish	2.0 ha	Stocking fry 2 lakh/ha, Fryfed with de-oiled rice bran (crude protein: 12 to 15 percent)@2 % biomass, with the occasional addition of raw rice bran and groundnut oil cake. Proper water quality management, manuring and fertilization as per the water quality parameter	Water quality parameter(pH, alkalinity, Plankton conc.) Avg body weight, Survivability(%),										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		1	Farmer &farmwomen	1day	off									25
Field day		2	F/FW,VAW,NGO members,krusimitra, Krusaksathietc	2day	off									40

FLD-18 **(Fisher)** Demonstration of CIFTEQ™ fish descaling machine

Crop: **fish**

Thrust Area: Species Diversification
Thematic Area: Production and Management
Season: **Round the year, 2022-23**
Farming Situation: Rainfed/irrigated/Seasonal Farm Pond

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	CIFTEQ™ Hand operated / Motorised fish descaling machine	% of scale removed, adaptability for different species, drudgery reduction, Save in time , Acceptability by the consumer										5	5	10

Extension and Training activities under FLD:

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

FLD-19 **(Extension)** Demonstration of the effectiveness of short technology videos on technology adoption

Crop: **Allied fields**

Thrust Area:
Thematic Area:
Season: **Year round (khari/Rabi) 2022-23**

Farming Situation: Irrigated, Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Allied fields	-	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	Visually engaging/Informative and timeliness, Understanding the method and process depicted in the video, Retention, retrieval & re-use of the content										20	10	30

Extension and Training activities under FLD:

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

FLD-20 **(Extension)** Demonstration of usefulness of agricultural calendar in Groundnut production for improving the technical knowledge of farmers

Crop: **Groundnut**

Thrust Area:
Thematic Area:

Season: ***Rabi*, 2022-23**

Farming Situation: Irrigated, Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Groundnut	-	Supply of agricultural calendar for improving groundnut production the technical knowledge of farmers	Applicability of calendar, Accessibility of calendar , Knowledge level, change in attitude										20	10	30

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training		1	Farmer &farmwomen	1day	off									25
Field day		2	F/FW,VAW,NGO members, krusimitra, Krusaksathi etc	2day	off									40

FLD-21 (Home Sc.) Demonstration on calcium supplementation of poultry for egg laying

Crop: Poultry
Thrust Area: Income generation activity
Thematic Area: poultry
Season Year round 2022-23

Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Marigold	1 ha	Feeding of 20 ml . Calcium syrup to 100 nos. of birds @5 ml./1lit. of water	Body wt. gain at 21 days, 1,2,3,4,5,6 months, age of sexual maturity, Age of 1st laying, Egg production /annum	Calcium syrup										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	Backyard poultry for income generation	1	25	1	Off								25	25

FLD -22(Home Sc.) Demonstration of nutritional garden for Improving Nutritional Security of farm family

Crop: Leafy vegetable, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,one Lemon, one drumstick and two Banana and floriculture in bunds
Thrust Area: Nutritional security
Thematic Area: Nutritional garden
Season: Round the year 2022-23
Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Marigold	0.4 ha	Nutritional garden with Protein, Vitamin & iron rich vegetables and fruits with consumers preference 1. Traillis structure with PP rope for raising cucurbits: 2. Protray for raising seedlings in small quantity + 3. cement ring tank for vermi composting , 2.Growing vegetables round the year covering leafy vegetables,	Availability of vegetables (Kg) Consumption of Vegetables /head/day	HYV seeds & seeding of vegetable & fruits	5000	3000								20	20

			sola , Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds													

FLD -23(Home Sc.) Demonstration on value addition of Ragi (Nutri Ragi mix) to combat malnutrition in children

Crop: Ragi
Thrust Area: Nutritional security
Thematic Area: Value addition
Season: Round the year 2022-23
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Ragi	-	Preparation of Ready to Use Nutri Ragi mix	Change in Body weight	Ragi	6000	-								20	20

			(Baby Food) Cleaned→ soaked(12 hours)→Germination (48hours→dried under shade(24hours)→milling→sieving →mixed with Milk powder (10%) and sugar (20%)	Shelf life(Days), Sensory Evaluation (Colour, Flavour & Taste)												

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	Value addition on ragi	1	25	1	Off								25	25

FLD-24 (Home Sc.) Demonstration on portable brooder to control early mortality in poultry chick

Crop: Poultry
Thrust Area: Income generation activity
Thematic Area: poultry
Season Year round 2022-23

Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Poultry	100 nos	Brooding management for 21 days with floor space of 0.3 sq ft/bird with help of chick guards, artificial heat @ 1-3 watt per chick , feeders and drinkers @ 1 each per 50 chicks, vaccination with against RD on 7th day, 28 day, IBD on 14th day . Use of electrolytes, preventive antibiotics during brooding.	Chick mortality rate during brooding period, body weight at 21 days, survivability of birds till start of laying.	Chicks	5000									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	Backyard poultry for	1	25	1	Off								25	25

	income generation													

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

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

Name of the Crop / Enterprise	**Variety / Type**	**Period From…… … to ……..**	**Area (ha.)**	**Details of Production**				
				Type of Produce	**Expected Production (quintals)**	**Cost of inputs (Rs.)**	**Expected Gross income (Rs.)**	**Expected Net Income (Rs.)**
Rice	FS	July 2022-Dec. 2022		Seed	150 q	350000.00	487500.00	137500.00
Tomato	ArkaRaksha k	April 2022 to March 2023		Seedling	100000 no.			
Chilli	Arka harita, Arka meghna	April 2022 to March 2023		Seedling	100000no.			
Brinjal	Swarna Shyamali	April 2022 to March 2023		Seedling	50000			
Onion	Red 3, Bhima Super	Oct 2022 to Feb 2023		Seedling	100000			
Papaya	SapnaF1, Red lady	April 2022 to March 2023		Seedling	5000			
Drumstick	Bhagya PKM-2	April 2022 to March 2023		seedling	5000			
Oters	As per farmers demand	-			10000			

Vermicompost		April 2021 to March 2022		Vermicompost	25quintals	12000	37500	25500
Earthworm		April 2021 to March 2022		*Eisenia foetida*	20kg	1500	10000	6000
Fish		April 2021 to March 2022			2 q	18000	30000	
Ornamental fish		April 2021 to March 2022			5000 pairs	3000	10000	
Yearling		April 2021 to March 2022			5000 nos.		10000	
Paddy straw mushroom and oyster mushroom		April 2021 to March 2022			1q		15000	

b) Village Seed Production Programme

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

6. Extension Activities

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

7. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022-2023	Expected Return
	300000.00	**500000.00**

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)

9. On-farm trials to be conducted*

OFT-1 (Horticulture)

I.	**Season:**	Kharif 2022
II.	**Title of the OFT:**	**Assessment of foliar application of growth regulator on chilli**
III.	**Thematic Area:**	Crop management
IV.	**Problem diagnosed:**	Low yield due to heavy flower drop and poor fruit set.
V.	**Important Cause:**	Flowerr drop due to hormonal imbalance .
VI.	**Production system:**	Vegetable-Vegetable cropping system
VII.	**Micro farming system:**	Rainfed-Medium land. Vegetable- Vegetable cropping system .
VIII.	**Technology for Testing:**	**Foliar application of growth regulator on chilli**
IX.	**Existing Practice:**	No application of growth regulator
X.	**Hypothesis:**	**By foliar application of growth regulator yield will increase**
XI.	**Objective(s):**	**To increase yield**
XII.	**Treatments:**	
	Farmers Practice (FP):	No application of growth regulator
	Technology option-I (TO-I)	**Spray of NAA @ 10mg/lit of water**
	Technology option-II (TO-II)	**Spray of Triacontanol @ 1.25ml/liter**
XIII.	**Critical Inputs:**	Chilli seeds, **Triacontanol**
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	2000
XVII.	**Total Cost:**	14000
VIII.	**Monitoring Indicator:**	No. of flowers/plant, No. of fruits /plant, Yield of fruits/plant
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO1: RCER-ICAR, Patna,2013 TO2: OUAT annual report, 2014

OFT -2 : (Horticulture)

I.	**Season:**	Rabi 2022-23
II.	**Title of the OFT:**	**Assessment of foliar application of biostimulants on growth and flowering of African marigold**
III.	**Thematic Area:**	Crop management
IV.	**Problem diagnosed:**	
V.	**Important Cause:**	**No use of growth regulator**
VI.	**Production system:**	Floriculture -floriculture cropping system
VII.	**Micro farming system:**	Irrigated medium land, floriculture-floriculture cropping system
VIII.	**Technology for Testing:**	TO1.- **Seaweed extracts** contain major and micro nutrients, amino acids, vitamins, cytokinins, auxin and abscisic acid like growth promoting substances and stimulate the growth and yield TO2- **Humic acid** is a plant growth promoter and increases the availability of nutrients to plants and enhance the flower quality and yield.
IX.	**Existing Practice:**	No application of growth regulator

X.	**Hypothesis:**	**By Foliar application of biostimulants on growth and flowering of African marigold the yield will increase.**
XI.	**Objective(s):**	**To increase productivity and to increase shelf life .**
XII.	**Treatments:**	
	Farmers Practice (FP):	No application of growth regulator
	Technology option-I (TO-I)	**Spray of Seaweed extract @ 1% at 30,45,60 DAT**
	Technology option-II (TO-II)	**Spray of humic acid @ 0.2 % at 30,45,60 DAT**
XIII.	**Critical Inputs:**	Marigold
XIV.	**Unit Size:**	1 ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	1500
XVII.	**Total Cost:**	10500
VIII.	**Monitoring Indicator:**	No. of branches per plant**, t**Days taken for flower bud appearance, No. of flowers per plant, Shelf Life (days)
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO1: Annual Report ICAR-DFR 2015-16 TO2: Annual report , TNAU, 2016-17

OFT-3 (Soil Sc.)

I.	**Season:**	Kharif 2022
II.	**Title of the OFT:**	**Assessment of integrated nutrient management on growth and yield of papaya**
III.	**Thematic Area:**	INM
IV.	**Problem diagnosed:**	Low fruit yield due to imbalanced use of nutrients
V.	**Important Cause:**	Imbalance use of nutrient
VI.	**Production system:**	vegetable-vegetable cropping system
VII.	**Micro farming system:**	Kharif, irrigated-medium land.
VIII.	**Technology for Testing:**	Assessment of integrated nutrient management on growth and yield of papaya
IX.	**Existing Practice:**	Application of chemical fertilizer NPK (200:200:200 g/plant)+FYM @1kg/plant
X.	**Hypothesis:**	Application of organic sources of nutrients and biofertilisers enhance fertilizer use efficiency with apart from nutrient supply and availability and helps in maintaining long-term soil fertility and productivity of crops
XI.	**Objective(s):**	To increase productivity of the Papaya
XII.	**Treatments:**	
	Farmers Practice (FP):	Application of chemical fertilizer NPK (200:200:200 g/plant)+FYM @1kg/plant

	Technology option-I (TO-I)	Application 300-25-300 g NPK/Plant with micronutrient formulation dose 2g/litre 2 sprays at 15 days interval during 5th month of planting & 1 spray at fruit setting and spray after 12 months of planting
	Technology option-II (TO-II)	75% RDF + vermi-compost @ 4 t/ha + Azotobacter@4kg/ha + PSM@4 kg/ha
XIII.	**Critical Inputs:**	Biofertiliser, Vermicompost
XIV.	**Unit Size:**	0.4ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	3000
XVII.	**Total Cost:**	21000
VIII.	**Monitoring Indicator:**	Plant height and girth, number of fruits per plant, soil test value (before planting and after harvesting)
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	TO_1 : N.D. University of Agriculture and Technology, Kumarganj, FAIZABAD, 2014 TO_2 : CSAUAT, Kanpur , 2020

OFT-4 (Soil Science)

I.	**Season:**	Rabi, 2022-23
II.	**Title of the OFT:**	Assessment of integrated nutrient management in betel vine
III.	**Thematic Area:**	INM
IV.	**Problem diagnosed:**	Poor leaf quality and yield due to improper nutrient management
V.	**Important Cause:**	Imbalance nutrient management
VI.	**Production system:**	rice-pulse cropping system
VII.	**Micro farming system:**	Irrigated, upland (betel vine round the year)
VIII.	**Technology for Testing:**	Assessment of integrated nutrient management in betel vine
IX.	**Existing Practice:**	Application of $N\text{-}P_2O_5\text{-}K_2O$ (100:50:50) + Mustard Oil Cake (MOC) @ 3 q /ha
X.	**Hypothesis:**	Vermicompost is an excellent nutrient reach organic manure helps in balanced fertilization of betel vine. Biofertlizers supply chemical fertlizers for meeting the integrated nutrient demand of betel vine. . They result in

		increased mineral and water uptake, root development, vegetative growth and nitrogen fixation.
XI.	**Objective(s):**	To increase leaf quality and yield
XII.	**Treatments:**	
	Farmers Practice (FP):	Application of N-P_2O_5-K_2O (100:50:50) + Mustard Oil Cake (MOC) @ 3 q /ha
	Technology option-I (TO-I)	STBF (NPK) + MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha
	Technology option-II (TO-II)	TBF (50%) +MOC @ 1.5 t/ha + Vermicompost (VC) @ 10 t/ha + consortia of azotobacter, azosprillum and PSB @ 4 kg/ha inoculated to 300kg VC, mixed with 15 kg lime incubated at 30 % moisture for a week and applied in the rhizosphere..
XIII.	**Critical Inputs:**	Vermicompost, Biofertilisers, Mustard oil cake
XIV.	**Unit Size:**	0.4ha
XV.	**No of Replications:**	7
XVI.	**Unit Cost:**	4000
XVII.	**Total Cost:**	28000
VIII.	**Monitoring Indicator:**	Yield, B:C ratio
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	AICRP on MAP and betel vine, 2012-13

OFT-5 (Plant Protection)

i.	**Season:**	**Rabi 2022-23**
ii.	**Title of the OFT:**	Assessment of Die back management in Chilli
iii.	**Thematic Area:**	IDM
iv.	**Problem diagnosed:**	Low yield due to die back
v.	**Important Cause:**	Die back
vi.	**Production system:**	Rice-vegetable cropping system
vii.	**Micro farming system:**	Irrigated-medium land,
viii.	**Technology for Testing:**	TO1: Seed treatment with Vitavax @ 2g/ kg of seed and application of Difenconazole 25% EC @ 500ml/ha, twice from initial disease appearance at 10 days interval TO2:Seed treatment with *T.viridae*@ 10 gm/ kg of seed and soil application of neem cake @ 2.5 q/ha, installation of yellow sticky trap @50/ha and need base application of Pyraclostrobin 20 %WG @ 500gm/ha , twice from initial disease appearance at 10 days interval
ix.	**Existing Practice:**	Spraying of Carbandazim@ 1kg/ha.
x.	**Hypothesis:**	Both the treatment will decrease disease infestation in chilli

xi.	**Objective(s):**	To reduce the disease infestation and enhance the yield
xii.	**Treatments:**	
	Farmers Practice (FP):	Spraying of Carbandazim@ 1kg/ha.
	Technology option-I (TO-I):	Seed treatment with Vitavax @ 2g/ kg of seed and application of Difenconazole 25% EC @ 500ml/ha, twice from initial disease appearance at 10 days interval
	Technology option-II (TO-II): and so on……	Seed treatment with *T.viridae*@ 10 gm/ kg of seed and soil application of neem cake @ 2.5 q/ha, installation of yellow sticky trap @50/ha and need base application of Pyraclostrobin 20 %WG @ 500gm/ha , twice from initial disease appearance at 10 days interval
xiii.	**Critical Inputs:**	Vitavax,*T.viridae*, yellow sticky trap,Difenconazole 25% EC,Pyraclostrobin 20 %WG
xiv.	**Unit Size:**	1 ha
xv.	**No of Replications:**	07 (Sanabiswanathpur,Kutharisingh, Mendhrajpur),
xvi.	**Unit Cost:**	3000
xvii.	**Total Cost:**	21000
xviii	**Monitoring Indicator:**	Die back incidence % /m2,Cost of intervention. Additional income over additional investment ,Yield (q/ha), B:C ratio,
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OUAT,BBSR.,2015 Cost of intervention. Additional income over additional investment ,Yield (q/ha), B:C ratio

OFT-6 (Plant Protection)

i.	**Season:**	**Kharif - 2022**
ii.	**Title of the OFT:**	**Assessment of YMV management in Papaya**
iii.	**Thematic Area:**	IDM
iv.	**Problem diagnosed:**	Low yield due to leaf curl disease
v.	**Important Cause:**	Sucking pest .
vi.	**Production system:**	Vegetable cropping system
vii.	**Micro farming system:**	Irrigated-medium land,
viii.	**Technology for Testing:**	TO1: Seed and planting material treatment with thiomethoxam@3gm/kg seed and foliar spraying of thiomethoxam 25% wg @200gm/ha twice at 15 days interval. TO2: Seed and planting material treatment with flonicamide 50% wg @3gm/kg seed and foliar spraying of flonicamide 50% wg @200gm/ha twice at 15 days interval
ix.	**Existing Practice:**	Spraying of imidaclopride @ 200ml/ha.
x.	**Hypothesis:**	Both the treatment will decrease disease infestation in papaya.
xi.	**Objective(s):**	To reduce the disease infestation and enhance the yield.
xii.	**Treatments:**	
	Farmers Practice (FP):	Spraying of Imidachloprid@ 200ml/ha.
	Technology option-I (TO-I):	Application of Thiomethoxam 25%WG @ 200gm/ ha twice at 15 days interval
	Technology option-II (TO-II): and so on……	Soil application of Neem cake @ 2.5q/ha and foliar application of Flonicamide 50%WG@ 200gm/ha of water twice at 15 days interval

xiii.	**Critical Inputs:**	Thiomethoxam , flonicamide
xiv.	**Unit Size:**	1 ha
xv.	**No of Replications:**	07 (Kutharisingh, Hinjlicut , Panada),
xvi.	**Unit Cost:**	3000.00
xvii.	**Total Cost:**	21000.00
xviii	**Monitoring Indicator:**	No.of affected plant/m2 Additional income over additional investment ,Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	OUAT,BBSR.,2017-18 TNAU- Annual Report 2015-16.

OFT-7 Fishery Science

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	**Assessment of** Ivermectin in controlling Argulosis
iii.	**Thematic Area:**	Production and management
iv.	**Problem diagnosed:**	Frequent occurrence of 'Argulosis' in carp culture ponds Unavailability of suitable recommendations .
v.	**Important Cause:**	Improper disease control measures
vi.	**Production system:**	Grow-Out carp culture, Modified Extensive system
vii.	**Micro farming system:**	Irrigated/Rain-fed; Extensive
viii.	**Technology for Testing:**	**Assessment of** Ivermectin in controlling Argulosis
ix.	**Existing Practice:**	Application of synthetic pyrethroids like cypermethrin 10% EC / deltamethrin 2.8% EC
x.	**Hypothesis:**	Both the Synthetic Pyrethroids and Avermectin group chemicals/drugs inhibits the growth and brings the mortality of the parasite through disturbance in the CNS, moulting and growth
xi.	**Objective(s):**	To find-out the effective chemical/drug in successful control of Parasitic diseases in carps. To establish the effective chemical/drug delivery system. To validate the result in different locations.
xii.	**Treatments:**	
	Farmers Practice (FP):	Application of synthetic pyrethroids like cypermethrin 10% EC / deltamethrin 2.8% EC
	Technology option-I (TO-I):	Ivermectin 2% w/w in feed @250 ppm & fed to the fishes for 4-5 days
	Technology option-II (TO-II):	Ivermectin 2% w/v in pond water @ 200ml/Acre-m
xiii.	**Critical Inputs:**	Cypermetrin; Ivermectin
xiv.	**Unit Size:**	0.4 – 1.0 ha
xv.	**No of Replications:**	07
xvi.	**Unit Cost:**	2750
xvii.	**Total Cost:**	19250
xviii.	**Monitoring Indicator:**	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio

xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	CIFA, 2015-16, COF (OUAT)-2018-19 KVK, Bhadrak (OUAT), 2020

OFT-8 Fishery Science

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	Assessment of genetically improved Catla spawns for maximizing fry production in nursery tanks
iii.	**Thematic Area:**	Production management
iv.	**Problem diagnosed:**	Less initial growth rate of Catla spawns in nursery tanks encourages predation by insects, thus leads to poor survival and final low yield of fry.
v.	**Important Cause:**	Less growth in stipulated time
vi.	**Production system:**	Carp Poly culture
vii.	**Micro farming system:**	Irrigated/Rain-fed Extensive.
viii.	**Technology for Testing:**	
ix.	**Existing Practice:**	Normal Catla spawns with traditional Nursery Rearing
x.	**Hypothesis:**	Selectively bred Catla spawn with higher vigour and survivility
xi.	**Objective(s):**	Higher growth rate and survival. Stocking density 75lakh/ha. Pond basal fertilisation with Organic manure followed by liming and feeding with GNOC and DORB.
xii.	**Treatments:**	
	Farmers Practice (FP):	Normal Catla spawns with traditional Nursery Rearing
	Technology option-I (TO-I):	Normal Catla spawns with BMP
	Technology option-II (TO-II):	Improved Catla Spawn with traditional Nursery Rearing
	Technology option-III (TO-II):	Improved Catla Spawn with BMP
xiii.	**Critical Inputs:**	Catla Spawn, Feed Ingredients
xiv.	**Unit Size:**	0.04-0.2 ha
xv.	**No of Replications:**	05
xvi.	**Unit Cost:**	4750
xvii.	**Total Cost:**	22500
xviii.	**Monitoring Indicator:**	Cost of intervention. Additional income over additional investment, Yield (q/ha), B:C ratio
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR-CIFA – 2015 ICAR-CIFA – 2018

OFT-9 Agriculture Extension

I.	**Season:**	Kharif 2022

II.	**Title of the OFT:**	Assessment of knowledge level of farmers on climate-resilient practices
III.	**Thematic Area:**	Knowledge level of farmers
IV.	**Problem diagnosed:**	Poor knowledge on climate resilient practices
V.	**Important Cause:**	Low yield of rice crop
VI.	**Production system:**	Rice-pulses cropping system
VII.	**Micro farming system:**	Kharif, rainfed medium land
VIII.	**Technology for Testing:**	Knowledge level of farmers on adoption of rice production technologies **Interview Schedule:** 15 separate questions on climate-resilient practices for rice cultivation using 5 points rating scale
IX.	**Existing Practice:**	Cultivation of rice by own knowledge
X.	**Hypothesis:**	To assess the knowledge of farmer on climate resilient practices
XI.	**Objective(s):**	To study the knowledge level of farmers
XII.	**Treatments:**	
	Farmers Practice (FP):	Cultivation of Rice (Pooja) by conventional method without any resilient practices
	Technology option-I (TO-I)	Cultivation of Rice with resilience practices including varietal replacement in low land area like Swarna sub-1 with practised only 3 resilience practice (Seed+ Seed treatment +Line transplanting)
	Technology option-II (TO-II)	Cultivation of crop with integrated resilient practices like Swarna sub-1 with practised 6 resilience (Seed+ Seed treatment+ Line transplanting + INM+ Weed management+ Water management)
XIII.	**Critical Inputs:**	Interview schedule
XIV.	**Unit Size:**	0.4ha or less (each)
XV.	**No of Replications:**	**30**
XVI.	**Unit Cost:**	-
XVII.	**Total Cost:**	-
XVIII.	**Monitoring Indicator:**	Knowledge level, Rate of adoption of resilience practices, yield and B: C ratio
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ICAR-NICRA

OFT-10 Agriculture Extension

I.	**Season:**	Rabi 20222
II.	**Title of the OFT:**	Assessment of the performance of FPOs with varied levels of task and commodity to enhance income
III.	**Thematic Area:**	Integrated Crop Management practices
IV.	**Problem diagnosed:**	Unorganized farmers fetching low price due to distress sale of farm produce
V.	**Important Cause:**	Unorganized farmers fetching low price due to distress sale of farm produce

VI.	**Production system:**	Vegetable-vegetable-vegetable
VII.	**Micro farming system:**	Vegetable-vegetable-vegetable (Irrigated) Rice-pulses (Rainfed)
VIII.	**Technology for Testing:**	performance of FPOs with varied levels of task and commodity to enhance income
IX.	**Existing Practice:**	Farmers marketing their produce through intermediaries
X.	**Hypothesis:**	The performance of FPOs with varied levels of task and commodity to enhance income of farmers
XI.	**Objective(s):**	To increase income
XII.	**Treatments:**	
	Farmers Practice (FP):	Farmers marketing their produce through intermediaries
	Technology option-I (TO-I)	FPO dealing with a single commodity with a single task i.e., Vegetable-Marketing
	Technology option-II (TO-II)	FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing
	Technology option-III (TO-III)	FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing
XIII.	**Critical Inputs:**	Interview schedule
XIV.	**Unit Size:**	0.4ha or less (each)
XV.	**No of Replications:**	**30**
XVI.	**Unit Cost:**	-
XVII.	**Total Cost:**	-
XVIII.	**Monitoring Indicator:**	Total share capital deposited in the bank, No of FIGs, No of members Meeting status, Type of commodity, Volume of commodity Annual turnover, Annual profit Total share capital deposited in the bank, No of FIGs, No of members Meeting status, Type of commodity, Volume of commodity Annual turnover, Annual profit
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	FPO NABARD 1017-18

OFT -11 (Home Sc.)

I.	**Season:**	Rabi 2022-23

II.	**Title of the OFT:**	Assessment of value added products of tomato for income generation
III.	**Thematic Area:**	Value addition
IV.	**Problem diagnosed:**	1. Distress sale of tomato and less profit. 2. Non availability of storage unit
V.	**Important Cause:**	Distress sale of tomato and less profit. Non availability of storage unit
VI.	**Production system:**	Enterprise development
VII.	**Micro farming system:**	Homestead
VIII.	**Technology for Testing:**	T O_1 - It is made from strained tomato juice or pulp and spices, salt, sugar and vinegar, with or without onion and garlic, and contains not less than 12 per cent tomato solids and 25 per cent total solids T O_2 -Tomatoes dried in cabinet drier @80^0C for 10hours (Tomato powder-5.0g+Onion-0.5g+Corn flour-2 g+Cumin powder-0.5g+pepper-0.3g+salt-1.5g). Shelf life-6 months. Preparation of tomato powder in solar dryer by slicing of tomato in 5mm thickness, dehydrating in dehydrator for 7-8 hours, grinding and packaging, enhanced self life period upto 6-8 months
IX.	**Existing Practice:**	Selling of raw tomato
X.	**Hypothesis:**	By value added products of tomato for income generation of farmers
XI.	**Objective(s):**	To increase farmers income
XII.	**Treatments:**	
	Farmers Practice (FP):	Selling of raw tomato
	Technology option-I (TO-I)	Tomato puree: Preparation of tomato concentrate. Cooking tomato juice to desired consistency (36 to 38 bricks) by cold break method, bottling hot by pasteurizing the concentrate in hot water for 20 minutes .
	Technology option-II (TO-II)	Tomato powder: Washing, cutting and drying @80^0 C for 10 hrs. The dehydrated pieces are grinded into powder.
XIII.	**Critical Inputs:**	Pulp and spices, salt, sugar and vinegar
XIV.	**Unit Size:**	40 nos bed
XV.	**No of Replications:**	10
XVI.	**Unit Cost:**	200/-
XVII.	**Total Cost:**	2000/-
XVIII.	**Monitoring Indicator:**	Additional income , Cost of input ,Net profit ,B:C ratio
XIX.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	PAU,2010

OFT-12 (Home Sc.)

i.	**Season:**	Kharif 2022
ii.	**Title of the OFT:**	Assessment of packaging practices of paddy straw mushroom (Var. V. Volvacea)
iii.	**Thematic Area:**	Post harvest management
iv.	**Problem diagnosed:**	Distress sale and low income due to short shelf life of paddy straw mushroom
v.	**Important Cause:**	Short shelf life of paddy straw mushroom
vi.	**Production system:**	Enterprise development
vii.	**Micro farming system:**	Homestead
viii.	**Technology for Testing:**	• Fresh mushroom buds washed with potassium metabisulfite (KMS 0.1 % and citric acid) for 10 minutes and allowed to air dry in a muslin cloth for 30 minutes and packed in polypropylene bags punched with 10 holes stored at room temp. • Fresh mushroom buds washed with potassium metabisulfite (KMS 0.1 % and citric acid) for 10 minutes and allowed to air dry in a muslin cloth for 30 minutes and packed in paper bags punched with 10 holes (0.5 cm diameter) stored at room temp
ix.	**Existing Practice:**	Selling of only fresh mushroom
x.	**Hypothesis:**	Proper packaging will increase shelf life of paddy straw mushroom to 24 to 36 hrs
xi.	**Objective(s):**	Post harvest management of paddy straw mushroom through packaging will increase return.
xii.	**Treatments:**	
	Farmers Practice (FP):	No packaging practices adopted by the farmers
	Technology option-I (TO-I)	Fresh Mushrooms buds washed with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in perforated polypropylene bags punched with 10 holes stored at room temperature
	Technology option-II (TO-II)	Fresh Mushrooms Buds treated with potassium meta bisulphite (KMS 0.1% and o.1% citric acid,) for 10 minutes and allowed to air dry on muslin cloth for 30 min and then packed in paper Bags punched with 10 holes (0.5 cm diameter) stored at room temperature
xiii.	**Critical Inputs:**	Packaging materials & chemicals
xiv.	**Unit Size:**	20 nos. bed
xv.	**No of Replications:**	10
xvi.	**Unit Cost:**	Rs.200

xvii.	**Total Cost:**	Rs. 2000/-
xviii.	**Monitoring Indicator:**	Sensory parameter (colour, texture, taste , consumer preference, shelf life)
xix.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**	ACRIP on mushroom, CTMRT, OUAT, Bhubaneswar,2014

*Repeat the same format for EACH OFT being proposed.

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

Sl. No.	Name of the project	Fund expected (Rs.)

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

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
09.02.2021	**-**

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									500	20	1500
Water Samples	50									50	10	
Other (Please specify)												
Total	550									550	30	1500

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2021	Expected fund requirement (Rs.)

		during 2022-23
Recurring		
i. Pay & allowance		140.00
ii. Contingency		208.00
iii. TA		2.00
iv. HRD		
Non-recurring (specify)		
i. Works (Road, threshing floor, drying yard, vehicle and implement shed, irrigation system etc.)		50.00
iv. Furniture & Equipment		10.00

* 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