Action Plan 2022-23

KRISHI VIGYAN KENDRA, BHADRAK

ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY, BHUBANESWAR
ICAR ATARI, KOLKATA

At/PO: Ranital, Dist: Bhadrak,
Odisha, PIN: 756 111
Phone/Fax: +91 6784 265825
Mail ID:kvkbhadrak.ouat@gmail.com; kvkbhadrak.od@gov.in

REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK:

Address	Telephone	E mail
At/PO- Ranital, Dist; Bhadrak, PIN 756 111, Odisha	06784 265825	kvkbhadrak.ouat@gmail.com kvkbhadrak.od@gov.in

2.Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Siripur, Bhubaneswar, PIN 751003	06742466140	06742397424	registrarouat@gmail.com

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
Weed management	Integrated Weed management in rice	1	1	Off	June, 22							25	5	30
Nutrient management	ICM in rice under flood affected areas	1	1	Off	July, 22							30	0	30
Weed management	Weed and nutrient management under direct seeded rice	1	1	Off	June, 22							30	0	30
Nutrient & weed management	Nutrient and weed management in green gram	1	1	Off	Dec.,22							30		30
ICM	Integrated crop management in sunflower	2	2	Off	Jan, 23							45	15	60
RCT	Zero till planting and line planting in greengram	1	1	Off	Oct, 22							20	10	30
Biofertilizer production	Production technology for raising Azolla nursery	2	2	Off	June, July, 22							55	5	60
Production of organic inputs	Vermicompost production and its uses	3	6	Off	July, Aug, Nov, 22							60	30	90
Nutrient management	Role of natural farming & promotion of ITKs in maintaining soil	2	2	Off	Nov, 22							45	15	60

	health and quality of produce													
Nutrient management	Role of biofertilizer in special reference to organic farming in vegetable crops	1	1	Off	Dec, 22							20	10	30
Nutrient management	Nutrient management in sunflower	1	1	Off	Nov.,22							30		30
Production and Management technology in spices	moisture conservation methods during summer in fruit crops	1	1	off	July22									30
Cultivation of vegetables	Use of growth regulator in cucurbits	1	1	Off	Aug 22									30
Cultivation of vegetables	Weed management in vegetables	1	1	Off	Sept 22									30
Nursery raising	Types of flower and pollination behavior in cucurbits	1	1	Off	Oct, 22									30
Cultivation of vegetables	Grafting in vegetable crops	1	1	Off	Nov, 22									30
Cultivation of tuber crops	ICM in cole crops	1	1	Off	Dec ,22									30
IPM	Integrated pest management in rice	1	1	Off	Aug, 22									30
IPM	IPM strategy for management of leaf curl and mealy bug in papaya	1	1	Off	Oct,22									30
IPM	Integrated pest management in bittergourd	1	1	Off	Oct,22									30
IPM	IPM in brinjal	1	1	Off	Dec, 22									30
IPM	IPM in sunflower	1	1	Off	Jan, 22									30

Production. & Management	Pre and post stocking water quality management	1	1	Off	July, 22									30
Production and management	Six species composite carp culture	1	1	Off	July, 22									30
Aquatic Animal Nutrition	Preventive and curative measures for common fish diseases	1	1	Off	Aug,22									30
Production & Management	Feed and feeding management in composite fish farming	1	1	Off	Aug, 22									30
Production & Management	Fish farming in community ponds	1	1	Off	Sept, 22									30
Production. & Management	Cultural practices for improving growth rate of fishes.	1	1	Off	Sept, 22									30
Production & Management	Management of pond bottom for increasing productivity in fish farming	1	1	Off	Oct, 22									30
Production & Management	Alternate low cost farm made fish feed Management of Plankton in fish culture ponds	1	1	Off	Nov, 22									30
IDM	Management of Plankton in fish culture pond	1	1	Off	Nov, 22									30
Income generation	Preparation of moringa powder for income generation of WSG	1	1	Off	Aug, 22									30
Nutritional garden	Crop planning and method of vegetable seedling production for nutritional garden	1	1	Off	June, 22									30
Mushroom	Cultivation	1	1	Off	June 22							18	12	30

	practices of paddy straw mushroom by using loose straw													
Nutritional security	Nutritional garden for nutritional security of farm families	1	1	Off	Aug 22							5	25	30
Mushroom	Disease and pest management in paddy straw mushroom	1	1	Off	July22							22	8	30
Mushroom production	Cultivation practices of different varieties of oyster mushroom	1	1	Off	Nov,22							13	17	30
Mushroom	Packaging technology in mushroom	1	1	Off	Aug 22							18	12	30
Poultry	Brooding management of poultry chicks by women SHGs	1	1	Off	Sept 22								30	30
Mushroom	Humidity and temperature management in paddy straw mushroom beds	1	1	Off	July 22							21	9	30
Pulses(black gram)	Storage loss minimization techniques of pulses	1	1	off	June 22							12	18	30
Capacity Building and Group Dynamics	Formation and management of SHG	1	1	Off	Aug, 22							0	30	30
Programmes and Schemes	Income generating activities for rural	1	1	Off	Sept, 22							20	10	30

	women													
Entrepreneurship Development	ICM in marigold	1	1	Off	Oct, 22							15	15	30
ICT	Leadership development and formation of farmers organization	1	1	On	Nov, 22							20	10	30
Capacity Building and Group Dynamics	Use of ITK in agriculture	1	1	Off	Dec, 22							20	10	30
ITK	Application of ICT in agriculture	1	1	Off	Sept. 22							20	10	30
Nursery management	Techniques of Teak stumps preparation	1	1	Off	May, 22							22	8	30
Nursery management	Propagation technology of bamboo species	1	1	Off	June, 22							24	6	30
Bee keeping	Flora management for honeybees	1	1	Off	July, 22							21	9	30
Production technologies	Management practices of fodder species	1	1	Off	Aug, 22							20	10	30
Production technologies	Silvicultural operations of *Acacia spp.*	1	1	Off	Sept, 22							22	8	30
Integrated Farming Systems	Management of seasonal and perennial components in the IFS unit	1	1	Off	Oct, 22							14	16	30
		58	**61**											**1740**

(b) Rural youth

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**
Nursery	Preparation of mat nursery and	1	2	on	July, 22							**20**		**20**

Management	mechanical transplanting													
Soil health management (Soil sc)	Method of soil sampling, analysis and interpretation of results	1	5	On	Aug, 22							15	5	20
Production of organic inputs (Soil Sc)	Vermicomposting &vermiwash production	1	3	On	Sept, 22							15	5	20
Planting material production (Hort)	Natural farming	1	3	On	March , 22									20
Production of organic inputs (Hort)	Nursery raising in horticultural crops in horticultural crops	1	3	On	Sept, 22									20
Production & Management (Fishery Sc)	Stocking and nursery pond management for minimizing mortality	1	2	on	July, 22							20		20
Production & Management (Fishery Sc)	Biofloc based fish farming	1	5	On	Aug, 22							15	5	20
Production & Management (Fishery Sc)	Preparation of low cost balanced feed using available ingredients	1	3	On	Sept, 22							15	5	20
Production & Management (Fishery Sc)	Biofloc based fish farming	1	3	on	June-22									30

Production & Management (Fishery Sc)	Round the year stunted fingerling production	1	3	on	July-22									20
Production & Management (Fishery Sc)	Production of dry fish using solar drier	1	3	On	Oct,22									20
Homestead	Skill training on Mushroom Production	1	3	on	June-22									30
Homestead	Skill training on Mushroom Production	1	3	on	July-22									20
		13	**41**											**260**

(c) Extension functionaries

Thrust area/ Thematic area	**Title of Training**	**No.**	**Duration**	**Venue On/Off**	**Tentative Date**	**No. of Participants**								
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
Crop Production (Agron)	Weed management in rice	1	1	On	Oct, 22							14	6	20
Crop Production (Agron)	Herbicide management	1	1	On	Aug.,22							20		20
Soil health management (Soil Sc)	Nutrient management through Soil Health Card and its interpretation	1	2	On	Jan, 23							18	2	20
Production of organic inputs (Soil Sc)	Recycling of farm wastes	1	2	On	Feb, 23							15	5	20
IPDM (Plant Protection)	Pesticide management	1	1	On	July, 22							15	5	20
Protected cultivation	Protected cultivation	1	1	On	Sept, 22									20

technology(Hort)														
Integrated Nutrient management (Hort)	Use of PGR in Horticultural crops	1	1	On	Dec, 22									20
Production & Management (Fishery sc)	Modern approaches in fish farming techniques	1	1	On	Jan 3									20
Production & Management (Fishery Sc)	BMP in shrimp farming	1	1	On	Jan 23									20
SHG management (Ag Ext)	Formation and management of SHGs	1	1	Off	Aug, 22									20
.Homestead (Home Sc)	Household food security by Nutritional gradening	1	1	On	Oct 22									20
Homestead (Home Sc)	Income generation activities for empowerment of rural Women	1	1	on	Nov 22									20
		12	**14**											**240**

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										25	5	30
Resource Conservation Technologies	1										20	10	30
Cropping Systems													
Crop Diversification													
Integrated Farming													

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
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2										45	15	60
Fodder production													
Production of organic inputs	1										30	0	30
Others, (cultivation of crops)	1										30	0	30
TOTAL	**6**										**150**	**30**	**180**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1												30
Off-season vegetables													
Nursery raising	1												
Exotic vegetables like Broccoli													30
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)	3												90
TOTAL	5												150
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology	1												30
Processing and value addition													
Others, if any													
TOTAL	1												30
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													
Soil and Water Conservation													
Integrated Nutrient Management	2										35	25	60
Production and use of organic inputs	3										60	30	90
Management of Problematic soils													
Micro nutrient deficiency in crops	1										25	5	30
Nutrient Use Efficiency													
Soil and Water Testing													
Biofertilizer production	2										55	5	60
Others, if any													
TOTAL	8										175	65	240
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													

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
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL	8												240
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												150
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**5**												**150**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management	2												60
Carp fry and fingerling rearing													
Composite fish culture & fish disease	1												30
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	3												90
Hatchery management and culture of freshwater prawn	1												30
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery	1												30
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any	2												60
TOTAL	10												300
IX. Production of Inputs at site													

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
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	1												30
Formation and Management of SHGs	1												30
Mobilization of social capital													
Entrepreneurial development of farmers/youths	1												30
WTO and IPR issues													
Others, if any	3												90
TOTAL	**6**												**180**
XI Agro-forestry													
Production technologies	02												60
Nursery management	02												60
Integrated Farming Systems	02												60
TOTAL	06												**180**
XII. Others (Pl. Specify)													
TOTAL	**58**												**1740**

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	2												40
Bee-keeping													20
Integrated farming													
Seed production													
Production of organic inputs	1												20
Planting material production	1												20
Vermi-culture													
Sericulture													

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
Protected cultivation of vegetable crops	1												20
Commercial fruit production	1												20
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat 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	6												120
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Soil sampling & analysis	1												20
ICT application in agriculture													
Year round stunted fingerlings production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
techniques													
Biofloc fish farming technology													
Low cost farm made feed													
TOTAL	**13**												**260**

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													
Integrated crop management	2												40
Integrated Pest Management													
Integrated Nutrient management	2												40
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1												20
Formation and Management of SHGs	1												20
Group Dynamics and farmers organization													
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	2												40
Women and Child care													

Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1												20
Gender mainstreaming through SHGs													
Crop intensification													
Recent advances in freshwater aquaculture	1												20
Use of probiotics in BW shrimp farming	1												20
Integrated Pest and Disease Management	1												20
TOTAL	**12**												**240**

5. Frontline demonstration to be conducted*

FLD1- Demonstration of drill seeded direct seeded rice

Crop: Rice
Thrust Area: Improvement of productivity of rice
Thematic Area: DSR
Season: Kharif,2022
Farming Situation: Rainfed shallow lowland, rice-fallow
Farmers Practice: Dry seeding of rice @70-80kg/ha, manual broadcast sowing, beaushaning fb fertilizer application

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	4 ha	Dry seeding with seed-cum-ferti drill, line sowing, seed rate@40kg/ha, fertilizer along with seeding, Bispyribac sodium@250ml/ha at 15-20 DAE	Planting density, EBT/m^2, (q/ha) Net Income (Rs./ha)										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	Drill seeded direct seeded rice	1	F/FW	1	Off							30		30
Field Day	Field day on Drill seeded	1	F/FW, extension functionaries	1	Off							45	5	50

	direct seeded rice													

FLD2: Demonstration on Integrated weed management in kharif rice

Crop: Rice
Thrust Area: Improvement of productivity of rice
Thematic Area: IWM
Season: Kharif, 2022
Farming Situation:Irrigated Medium-shallow low land, transplanted rice
Farmers Practice: Hand weeding at 25 & 45 DAT

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	4 ha	Fenoxaprop-p-ethyl + Ethoxysulfuron (50+15 g/ha) at 15 days after transplanting(DAT) + HW at 45 DAT	Weed count, No.of tillers/m2, no.of grains/ear,WCE,Grain yield, Net income, B:C ratio										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	Weed management in rice	1	F/FW	1	Off							30		30
Field day	Field day on Weed management in rice	1	F/FW, extension functionaries	1	Off							35	5	40

FLD3: Demonstration of Integrated crop management in mustard

Crop: Mustard
Thrust Area: Enhancement of profitability from mustard cultivation
Thematic Area: ICM
Season: Rabi 2022-23
Farming Situation: Irrigated rice-mustard CS

Farmers Practice: Var. M-27, broadcast sown, imbalanced fertilizer (25-40-15 kg/ha)

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	Mustard	4 ha	Var. NRCHB 101, line sown with seed-ferti drill, NPK 60-30-30, use of B and S, Neem oil + need based PP measures	Plant density/m^2, no.of siliqua/plant, no.of seeds/silique, Yield (q/ha), economics										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	Integrated crop management in mustard	2	F/FW	2	Off							52	8	60
Field Day	Field day on integrated crop management in mustard	1	F/FW, extension functionaries	1	Off							45	5	50

FLD4: Demonstration on Integrated crop management in groundnut

Crop: Groundnut
Thrust Area: Enhancement of profitability from groundnut cultivation
Thematic Area: ICM
Season: Rabi 2022-23
Farming Situation: Irrigated rice-groundnut CS

Farmers Practice: Broadcast sown, imbalanced fertilizer (40-60-15 kg/ha)

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	4 ha	Var.Dharani, line sown with seed-ferti drill, line spacing: 30cm, NPK 20-40-40, use of B and S, Neem oil + need based PP measures	Plant density/m^2, no.of pods/plant, no.of seeds/pod, Yield (q/ha), economics										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	Integrated crop management in groundnut	2	F/FW	2	Off							52	8	60
Field Day	Field day on Integrated crop management in groundnut	1	F/FW, extension functionaries	1	Off							45	5	50

FLD5: Demonstration on Rate and schedule of fertilizer application in sunflower

Crop: Sunflower
Thrust Area: Enhancement of profitability from sunflower cultivation

Thematic Area: Nutrient management
Season: Rabi 2022-23
Farming Situation:Irrigated medium land, rice-sunflower CS

Farmers Practice:NPK dose (80-100-40)

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	Sunflower	4 ha	Application of NPK 90:90:60 with 2 splits of N, 60% + 40%	Seed wt/Capitulum, Head dia in cm, Yield,B:C ratio										15		15

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated crop management in sunflower	2	F/FW	2	Off							52	8	60
Field Day	Field day on nutrient management in sunflower	1	F/FW, extension functionaries	1	Off							45	5	50

FLD6: Demonstration on INM in okra

Crop: Okra
Thrust Area:Enhancing Soil health and yield of okra
Thematic Area: Nutrient management
Season:Rabi 2022-23
Farming Situation: Irrigated medium land
Farmers Practice: Fertilizer (80-50-60) application only

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

1	Okra	0.2ha	Application of vermicompost @5 t/ha+RDF @ NPK::110:60:80 kg/ha + mixed culture of bio-fertilizers i.e. *Azotobactor, Azospirillum*and PSB (1:1:1) during sowing	No. of fruits/plant, fruit size, Yield (q/ha), B:C ratio										13		13

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 of biofertilizer in vegetable crops	1	F/FW	1	Off							30		30
Field day	Field day on INM in okra	1	F/FW, extension functionaries	1	Off							35	5	40

FLD7: Demonstration on INM in brinjal

Crop: Brinjal
Thrust Area: Enhancing Soil health and yield of brinjal
Thematic Area: Nutrient management
Season:Rabi 2022-23
Farming Situation: Irrigated medium land
Farmers Practice: Fertilizer (80-50-60) application only

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	0.2ha	Application of 75% of STBR (RD-	No. of fruits/plant, fruit size,										13		13

			NPK::120:80:100 Kg/ha) Fertilizer N + Azotobacter 4 Kg/ha + Azospirillum 4 Kg/ha + full P and K	Yield (q/ha) Net Income (Rs./ha)												

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 of biofertilizer in vegetable crops	1	F/FW	1	Off							30		30
Field day	Field day on INM in brinjal	1	F/FW, extension functionaries	1	Off							35	5	40

FLD8: Demonstration on IPM modules for controlling fruit and shoot borer in brinjal

Crop: Brinjal
Thrust Area: Minimization of crop loss due to pest in horticultural crops
Thematic Area: IPM
Season: Rabi, 2022-23
Farming Situation: Irrigated medium land, rice-vegetable CS
Farmers Practice: Indiscriminate application of Rynaxypyr 20 SC, Cartap Hydrochloride 50 SP, Thiodicarb 70 WP

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	1 ha	Pheromone trap @20/ac for mass trapping + weekly release of 50,000-60,000 *Trichogramma chillonis* from 45DAT for 5 times+ alternate sparaying of Bt@2g/lit of	% fruit damage, % shoot damage, no. of fruits/plant,	PT, T. Chilonis,, Neem oil (1500p									10		10

			water and neem oil 1500ppm @3ml/l at 15 days interval from 20-25 DAT. Need based spraying of Spinosad 45 SC @160ml/ha at flower initiation stage, regular clipping of affected shoots and burying those in soil	Yield (q/ha) Net Income (Rs./ha)	pm), & spinos ad											

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 shoot and Fruit borer in brinjal	1	F/FW	1	Off							30		30
Field day	Field day on IPM Module for controlling Fruit and shoot borer in brinjal	1	F/FW, extension functionaries	1	Off							45	5	50

FLD9: Demonstration on IPM module for management of little leaf in bitter gourd

Crop: Bitter gourd
Thrust Area: Minimization of crop loss due to pest in horticultural crops
Thematic Area: IPM
Season: Rabi, 2022-23
Farming Situation: Irrigated medium land (Rice-vegetable CS)
Farmers Practice: Indiscriminate application of Thaimethoxam 25WG, Acetamiprid 20SP

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	Seed treatment with Imidacloprid 600 FS @ 5 ml/ kg seed. + Soil application of Rynaxypyr 0.4 G @ 10 kg/ ha at 30	% infected plant, average vector										10		10

			DAS + Yellow Sticky Trap at 2-3 leaf stage+ Alternate need based application of Flonicamid 50 WG @ 150 g/ ha and neem oil formulations (1500 ppm) @ 1.5 l/ ha + Foliar application of vegetable micronutrient mixture @ 2.5 g/ l of water twice at 15 days interval reduced the population of leaf hopper and minimised the incidence of little leaf disease in bitter gourd	population per plant, Yield (q/ha) Net Income (Rs./ha), B:C ratio												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	IPM in Bitter gourd	1	F/FW	1	Off							30		30
Field day	Field day on IPM in bitter gourd	1	F/FW, extension functionaries	1	Off							45	5	50

FLD10: Demonstration on integrated weed management in okra

Crop: Okra
Thrust Area: Improvement in yield and quality of okra
Thematic Area: Weed management through chemicals
Season: Kharif, 2022
Farming Situation: uplands
Farmers Practice: Hand weeding 3times

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

	Enterprises	(ha)/ Unit (No.)	demonstration	technology demonstrated	Inputs			M	F	M	F	M	F	M	F	T
1	Okra	0.8ha	Weed management in okra using pendimethalin @750g a.i/ha followed by Mechanical weeding (power weeder) at 30 & 45 DAS	Weed control efficiency, No. of fruits /plant , Yield (q/ha) Net Income (Rs./ha)										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	Integrated weed management in okra	1	F/FW	01	OFF									30
Field day	Field day on Integrated weed management in okra	1	F/FW,	01	OFF									50

FLD 11: Demonstration on use of PGR in cucumber for increasing femaleness fruiting

Crop: Cucumber
Thrust Area: Yield enhancement
Thematic Area: ICM
Season: Rabi 2022-23
Farming Situation: uplands
Farmers Practice: Use of spurious chemicals available in market

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	Cucumber	10 demos	The application of Etherel @50ppm each starting from the first or the third leaf stage and continuing 3times more at weekly interval in cucumber	Node at which first female flower appears, no of female flowers/plant , no of fruits per plant, Yield (q/ha) Economics													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 of PGR in cucumber for increasing femaleness fruiting	1	F/FW	1	0ff									30
Field Day	Field day on use of PGR in cucumber for increasing femaleness fruiting	1	F/FW	1	0ff									30

FLD 12: Demonstration on recycling biomass and moisture retention methods in coconut to prevent fruit drop

Crop:Coconut
Thrust Area: INM
Thematic Area: INM
Season: Kharif, 2022
Farming Situation: Coconut orchard/ backyard
Farmers Practice: Application of cowdung at the roots of coconut tree

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Coconut	10 demos	Husk burial to be done in coconut basins to overcome drought and button shedding. Bury husks @ 100 Nos. with concave surface facing upwards or 25 kg of coir pith /palm in circular trenches, dug 30 cm width and 60 cm depth at 1.5 metre radius with vermicompost @30kg/palm +bio fertilizer application Azospirillium and PSB @200g/tree+	Fruit drop/plant Yield no. of fruits/plant, Yield (q/ha) Net Income (Rs./ha)												10

			green manuring(in situ)+ vermiwash 10l/palm													

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	Recycling biomass and moisture retention methods in coconut to prevent fruit drop	1	F/FW	1	0ff									30
Field day	Field day	1	F/FW	1	off									50

FLD13: Demonstration on artificial pollination in pointed gourd

Crop: Pointed gourd

Thrust Area: Enhancement of profitability from pointed gourd cultivation

Thematic Area: ICM

Season: Rabi, 2022-23

Farming Situation: Irrigated medium land, rice-pointed gourd

Farmers Practice: Natural pollination

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

No.	variety / Enterprises	d Area (ha)/Unit (No.)	demonstration	(Data) in relation to technology demonstrated	Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
4	Pointed gourd	0.4	Artificial pollination by plucking male flowers, removal of petals ,collection of pollen by hammering with wooden stick in a glass ,diluting with water, sieving using net and pollinating female flowers by putting a drop of solution by dropper	flower drop %no of fruits per plant (kg), Yield (q/ha) Net Income (Rs./ha)										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	Artificial pollination in pointed gourd	01	F/FW	01	Off									30
Field day	Field day on Artificial pollination in pointed gourd	01	F/FW	01	Off									30

FLD14 : Demonstration on Carp starter -II compound feed for raising fry to fingerling

Crop: Fish
Thrust Area: Small scale income generation
Thematic Area: Nutrient management
Season: Kharif-22
Farming Situation: Small to medium tanks, irrigated, Low land

Farmers Practice: Feeding in nursery pond with RB :GNOC@1:1

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

	Enterprises	(ha)/ Unit (No.)		relation to technology demonstrated	of Inputs			M	F	M	F	M	F	M	F	T
1	IMC	0.4 ha	Feeding of Carp starter -II compound feed in nursery pond with a gradually decreasing feeding rate of 10-5% of biomass	Survivability (%) AWG(gm), SGR, Additional Cost (Rs.), Yield (q/ha) Net Income (Rs./ha)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Carp starter -II compound feed for raising fry to fingerling	1	Farmers	1	Off									30
Field day	Carp starter -II compound feed for raising fry to fingerling	1	F/FW, Extension functionaries	1	Off									50

FLD15 : Demonstration on Production of AFL in backyard ponds

Crop: Fish
Thrust Area: Utilization of backyard pond
Thematic Area: Income generation
Season: Rabi 2022-23
Farming Situation: Small to medium tanks, irrigated, Low land
Farmers Practice: Raising of Spawn to fry only

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	IMC	1.2 ha	Stocking fish fry@7,50,000 numbers/ha and feeding of Carp starter -II compound feed with a gradually decreasing feeding rate of 10-5% of biomass	Survibility (%) Additional Income (Rs.), Yield (q/ha) Net Income (Rs./ha)													10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Production of AFL in backyard ponds	1	Farmers	1	Off									30
Field day	Production of AFL in backyard ponds	1	F/FW, Extension functionaries	1	Off									50

FLD16 : Demonstration of Sea weed extract on growth and survival of IMC in grow out culture system

Crop: Fish
Thrust Area: Enhancement of growth and survivability of IMC in grow out pond
Thematic Area: Nutrient management
Season: Rabi 2022-23
Farming Situation: Pond
Farmers Practice: Use of RCD , and poultry droppings.

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	0.12 ha	Application of Sea weed extract @	Plankton density (ml/50L),												10

			1Kg/Acre/Month and mineral mixture1Kg/Acre/Month	Additional cost (Rs.), Yield (q/ha) Net Income (Rs./ha)												

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	Sea weed extract on growth and survival of IMC in grow out culture system	1	Farmers	1	Off									30
Field day	Sea weed extract on growth and survival of IMC in grow out culture system	1	F/FW, Extension functionaries	1	Off									50

FLD 17 : Demonstration of Amur carp in composite carp culture

Crop: Fish
Thrust Area: Fish species diversification for enhanced productivity
Thematic Area: Varietal evaluation
Season: Rabi 2022-23
Farming Situation: Pond based farming system

Farmers Practice: Culture practices of IMC only with stocking ration of C:R:M::4:3:3.

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	IMC	0.4 ha	Stocking ratio Catla: Rohu : Mrigal :Amur carp :: 30:40:15:15	ABW (gm), TWG (gm), SGR,Survibility (%)., FCR, Yield (q/ha)												6

				Net Income (Rs./ha) B:C ratio												

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	stocking management in pisciculture tanks	1	Farmers	1	Off									30
Field day	stocking management in pisciculture tanks	1	F/FW, Extension functionaries	1	Off									50

FLD 18: Demonstration on blue oyster mushroom var. *Hyspizyous ulmarious*

Crop: Mushroom
Thrust Area: Income generating activities
Thematic Area: Mushroom production
Season: Rabi, 2021-22
Farming Situation: Homestead
Farmers Practice: Cultivation of *P. sajarcajju*

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	Mushroom	200 beds	Cutting of paddy straw 2-3" size, soaking in lime (1%) for 6-7hrs, use of boiled wheat as food additive in 40x80 cm^2 polythene bed	Initiation of mycelia growth (days), pinhead appearance (days), wt. of fruits (g/10buds)										10	10	20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Production practices of different variety of oyster mushroom	1	FW	1	Off							14	16	30
Field day	Field day on cultivation of oyster mushroom var. blue oyster mushroom	1	F/FW, Extension personel	1	Off							29	21	50

FLD 19: Demonstration on Nutritional garden for improving nutritional security of farm family

Crop: Nutritional garden
Thrust Area: Nutritional security of farm family
Thematic Area: Nutritional security
Season: Round the year 2021
Farming Situation: Kitchen garden
Farmers Practice: Seasonal vegetable cultivation without proper planning

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	Nutritional garden	10 units	Trellis structure with PP rope for raising cucurbits, raising seedlings in trays, vermi composting in ring tank Growing leafy vegetables, brinjal, tomato, chilli, yam, elephant foot yam, pumpkin, bottle gourd, bitter gourd etc , 2 papaya, 1 lemon, 1 drumstick and 2 banana plants	Availability of vegetable/day Cost of input, Mean increase in consumption of vegetables and fruits compared to RDA (%)											20	20

Extension and Training activities under FLD:

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

						M	F	M	F	M	F	M	F	T
Training	Nutritional security of farm families	1	FW	1	Off								30	30
Field day	Field day on nutritional gardening in backyard	1	F/FW, extension functionaries	1	Off							15	35	50

FLD 20: Demonstration on Artificial brooding of chicks

Breed: Rainbow rooster
Thrust Area: Income generation of farmwomen
Thematic Area: Income generation
Season: Rabi. 2021-22
Farming Situation: Homestead
Farmers Practice: Brooding of day old chicks using local practice

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Poultry	10 units	Brooding management for 21 days with floor space of 0.3 sqft/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, 28th 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 laying											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	Brooding & management of poultry chicks	1	FW	1	Off								30	30
Field Day	Field day on brooding	1	F/FW, extension	1	Off							12	38	50

	management of poultry chicks in backyard		functionaries											

FLD 21: Demonstration of Moringa powder-preparation, its packaging and branding for income generation of WSHGs

Crop: Moringa
Thrust Area: income generation of WSHGs
Thematic Area: Value addition
Season: Kharif-2022
Farming Situation: Homestead
Farmers Practice: Low economic activities in backyard garden

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	Moringa - Value addition	10 WSHGs	Growing moringa with high density planting, var. PKM-1, The leaves after harvest to be stripped off the stem, washed and dried under shade. The dried leaves to be powdered using grinder and to be packaged in air tight packets	Moringa powder production/SHG, additional net income, storability											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	Preparation of Moringa powder-preparation, its packaging and branding for income generation of WSHGs	1	FW	1	Off								30	30

Field Day	Field day on Preparation of Moringa powder-preparation, its packaging and branding for income	1	F/FW, extension functionaries	1	Off							12	38	50

FLD22: Demonstration on Acacia-turmeric intercropping system

Crop: *Acacia spp*. and Turmeric
Thrust Area: Proper utilization of interspaces of block plantation of *Acacia spp.*
Thematic Area: Production technologies .
Season: Krarif, 2022
Farming Situation: Rainfed upland of existing block plantation of *Acacia spp.*
Farmers Practice: Monocropping

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	05 demos	Turmeric (var. Rajendra Sonia) to be planted as per the interspace availability in the existing block plantation of *Acacia spp.*	Rhizome/plant(no) Rhizome weight/Plant(gm)	Turmeric seeds in addition to recommended dose of NPK									4	1	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	Silvicultural operations of *Acacia spp*	01	Farmers	1	off							22	8	30
Field day	Silvicultural operations of *Acacia spp*	01	Farmers, Extension functionaries									38	12	50

FLD23 : Demonstration on marigold cultivation

Crop: Marigold
Thrust Area: income generation
Thematic Area: ICT
Season: Rabi 2022
Farming Situation: Backyard/ irrigated upland
Farmers Practice: Under utilized backyard uplands

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Marigold	10	Transplanting of seedlings at spacing 60×45 cm, topping of apical shoots at 15days interval (3	No. of flowers/plant, flower yield, economics	Seedling, PP Chemicals											20

			times), application of DAP+ Potash @50g/plant before flowering and flowering stage													

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	ICM in marigold	1	F/FW	1										30
Field day	Field day on marigold cultivation	1	F/FW	1										50

FLD24: Demonstration on effectiveness of short technology videos on technology adoption

Crop: -
Thrust Area: Information communication technology for faster dissemination
Thematic Area: ICT
Season: Kharif-2022
Farming Situation: Homestead
Farmers Practice: Farmers are getting only text messages

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

	Enterprises	(ha)/ Unit (No.)	demonstration	relation to technology demonstrated	Inputs			M	F	M	F	M	F	M	F	T
1	Technology video	2 short videos	Production of short videos on method of mushroom production by using loose paddy straw; nutritional garden and will be disseminated to identified farmers through whatsapp	Understanding the method and process depicted in the video, Retention of the message												100

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	Khandagiri	June to Dec	2	TL	60			
	Kalachampa	June to Dec	2	TL	90			
	Swarna	June to Dec	2	TL	60			
	MTU 1140	June to Dec	1	TL	60			
	MTU 1166	June to Dec	1	TL	60			
	CR 1009 Sub1	June to Dec	3	TL	90			
	Seed village(Kalachampa, Swarna)	June to Dec	6	TL	180			
Dhaincha	Dhaincha	June toOct	1	TL	8			
Mustard	Sushree	Dec to Mar	3.0	FS	12			
Sesame	GT 10	Feb to April	1.0	FS	4			
Seedlings	OP. Hybrid	Jan to Feb,	0.11	F1, OP vars.	60000 no.	80000	120000	40000

(vegetable)		Aug to Dec						
Fruit seedling	-	Round the year	-	-	5000 no	20000	40000	20000
Forest sapling		Round the year	Nursery	Various spp (Teak, Mangium, Acacia, Mahogany etc.)	2000 no.	15000	3000	12000
Fish	Stunted yearlings	Round the year	Ponds	Seeds	3.0	34000	60000	26000
	Amur carp fingerlings	Round the year		Seeds	10000 nos	5000	10000	5000
	Mixed carp frys	Round the year		Fry	9,00,000	1,21,600	1,80,000	58,400
	Jayanti Rohu fingerlings	Round the year		Seeds	10000 nos	4800	10000	5200
	GIFT mono-sex tilapia fingerlings	Round the year		Seeds	5000 nos	8,600	17,500	8,900
	Colour fish	Round the year		Fish	3000 nos	3500	7500	4000
	Stunted fingerlings	Round the year		Seed	25000nos	53,000	1,00,000	47,000
	Fish	Round the year		Table sized	20.0 q	110000	180000	70000
Bio agents	Vermicompost	Round the year	6 Rings		35 q	9000	24000	15000
	Vermiworm/ E.foetida	Round the year			10 kg	1200	6000	4800
	NADEP compost	Round the year	1 unit		10 q	1000	3000	2000
Poultry	Rainbow rooster	Round the year	1unit	Chicks	2000	100000	130000	30000

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.)**

Rice	Swarna	June to Dec	4		TL	120			

2. 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	23										1000
2.	KisanMela	3										900
3.	KisanGhosthi	0										0
4.	Exhibition	0										0
5.	Film Show	25										600
6.	Method Demonstrations	8										202
7.	Farmers Seminar	0										0
8.	Workshop	1										30
9.	Group meetings	0										0
10	Lectures delivered as resource persons	12										720
11	Advisory Services	0										0
12	Scientific visit to farmers field	82										875
13	Farmers visit to KVK	0										2500
14	Diagnostic visits	34										430
15	Exposure visits	2										60
16	Ex-trainees Sammelan	0										0
17	Soil health Camp	2										52
18	Animal Health Camp	1										50
19	Agri mobile clinic	0										0
20	Soil test campaigns	1										25
21	Farm Science Club Conveners meet	0										0
22	Self Help Group Conveners meetings	2										60
23	MahilaMandals Conveners meetings	0										0
24	Celebration of important days (OUAT foundation day, world food day)	2										60
25	Sankalp Se Siddhi	0										0
26	Swatchta Hi Sewa	0										0
27	Mahila Kisan Diwas	1										50
28	Any Other (Specify)	4										120
	Total	**203**										**7734**

3. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.04.2022)	Amount proposed to be invested during 2022-2023	Expected Return
892054	1200000	1400000

4. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)	Proposed purpose of utilization (in brief)
CFLD	ICAR	720000	Demonstration
CSISA	ICAR	100000	Demonstration

9. On-farm trials to be conducted

OFT-1

i.	**Season**	**:**	Kharif, 2022
ii.	**Title of the OFT**	**:**	Assessment of summer rice varieties for coastal saline soils
iii.	**Thematic Area**	**:**	Varietal evaluation
iv.	**Problem diagnosed**	**:**	Low yield due to salinity during reproductive stage of summer rice
v.	**Production system**	**:**	Rice-Vegetable
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Salt tolerant rice varieties.
viii.	**Existing Practice**	**:**	Cultivation of rice vars. Lalat/Khandagiri
ix.	**Objective(s)**	**:**	To evaluate suitable rice varieties under saline affected soil condition
x.	**Treatments**	**:**	FP: Cultivation of rice vars. Lalat/Khandagiri TO1: Rice var. Luna Sankhi TO2: Rice var. CSR 4 TO3: Rice var. Canning 7
xi.	**Critical Inputs**	**:**	Three varieties as given above Luna Sankhi, CSR 4, Canning 7
xii.	**Unit Size**	**:**	
xiii.	**No of Replications**	**:**	5
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	No.of tillers/hill, panicles/hill, grains/panicle, grain yield, economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	NRRI, 2011, CSSRI, 1990, CSSRI, 1995

OFT-2

i.	**Season**	**:**	Kharif, 2022
ii.	**Title of the OFT**	**:**	Assessment of nano nitrogen in rice
iii.	**Thematic Area**	**:**	Nutrient management
iv.	**Problem diagnosed**	**:**	High cost of N fertiliser and opportunity for cost minimization
v.	**Production system**	**:**	Rice-Vegetable

vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Nano nitrogen fertilizer
viii.	**Existing Practice**	**:**	Application of urea
ix.	**Objective(s)**	**:**	To assess optimum doses of Nano urea To assess economics of application of nano urea
x.	**Treatments**	**:**	FP: Application of N @80kg/ha TO1: Foliar application of IFFCO nano-N @ 1250ml/ha at tillering& PI Stage + No Soil application of N+100% P & K TO2: Foliar application of IFFCO nano-N @ 1250ml/ha at tillering&PI Stage +Soil application of 50%N through urea +100% P&K
xi.	**Critical Inputs**	**:**	Nano N
xii.	**Unit Size**	**:**	500 sqm
xiii.	**No of Replications**	**:**	10
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	No.of EBT/hill, no.of grains/panicle, grain yield, NUE, Economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	IFFCO, 2020

OFT-3

i.	**Season**	**:**	Rabi, 2022-23
ii.	**Title of the OFT**	**:**	Assessment of organic formulations for organic production of pointed gourd
iii.	**Thematic Area**	**:**	Organic farming
iv.	**Problem diagnosed**	**:**	Opportunity for promoting organic farming in high valued vegetable
v.	**Production system**	**:**	Rice-Vegetable
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Impact study of AmritPani&Jeevamrut application
viii.	**Existing Practice**	**:**	Imbalance application of NPK, particularly high use of N & P
ix.	**Objective(s)**	**:**	To assess optimum process of AmritPani&Jeevamrut application To assess economics of AmritPani&Jeevamrut
x.	**Treatments**	**:**	FP: NPK @130-80-60 TO1: AmritPani (Cow dung- 10kg + 500gm jaggery + 250 ml mustard oil + Water- 200L) Soil +Foliar application TO2: Jeevamrut (Cow dung- 10kg +Cow urine- 10L +Jaggery- 2kg + Flour of pulse – 2kg + Live soil (Healthy soil)- 1 kg + Water- 200L), soil and foliar application

xi.	**Critical Inputs**	**:**	Plastic drum with ingredients + root stock
xii.	**Unit Size**	**:**	100 m^2
xiii.	**No of Replications**	**:**	5
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	No. of fruits/vine, vine length, Yield, SOC, available NPK, Economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	TO1- NEERI, 2018 TO2-TNAU, 2018

OFT-4

i.	**Season**	**:**	Rabi, 2022-23
ii.	**Title of the OFT**	**:**	Assessment of natural farming practices in few vegetable crops (Brinjal, pointed gourd, tomato)
iii.	**Thematic Area**	**:**	Natural farming
iv.	**Problem diagnosed/Opportunity**	**:**	Opportunity for improvement in soil health, cost reduction
v.	**Production system**	**:**	Rice-Vegetable
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Natural farming practices
viii.	**Existing Practice**	**:**	NPK @80-50-60
ix.	**Objective(s)**	**:**	To access the natural farming practices in vegetable crops To assess the economics
x.	**Treatments**	**:**	FP: Application of NPK @80-50-60kg/ha TO_1: Beejamrut+Jivamrut, straw mulching, Neemastra TO_2: Amrut ghol (Cow urine-5 L +Cow dung-1 Kg + decaying fruits juice-1 L - kept for 5 days for fermentation) as Soil +Foliar application
xi.	**Critical Inputs**	**:**	Plastic drum
xii.	**Unit Size**	**:**	100 sqm
xiii.	**No of Replications**	**:**	7
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	No. of fruits/plant, fruit size, SOC, Yield, Economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	Subhash Palekar Krishi, 2017, Akhil Bharatiya Sajiv Kheti Samaj, Mapusa, Goa

OFT-5

i.	**Season**	**:**	Rabi, 2022-23
ii.	**Title of the OFT**	**:**	Assessment of integrated pest management modules in sunflower
iii.	**Thematic Area**	**:**	IPM
iv.	**Problem diagnosed**	**:**	Yield reduction due to collar rot/stem rot, leaf damage & head damage in sunflower
v.	**Production system**	**:**	Rice-sunflower
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Technology developed by RRTTS, Ranital
viii.	**Existing Practice**	**:**	Application of chemical pesticides only
ix.	**Objective(s)**	**:**	To assess the effect of IPM strategies on disease & pest reduction in sunflower
x.	**Treatments**	**:**	FP: Drenching of catbendazim + mancozeb , Spraying of Lambda cyhalothrin, Cypermethrin TO1: Spot application of FYM incubated with T. viridae + P. flouroscence @ 5 kg/ ha + Spot drenching of Tebuconazole @ 500 ml/ ha+ Pheromone Trap for monitoring of spodoptera & helicoverpa+ Alternate need based application of neem oil (1500 ppm) @ 1.5 L/ ha and Flubendiamide 480 SC @ 150 ml/ ha + Poison bait placement (10 kg Rice bran+ 1 kg jaggery+ 200 g cartap hydrochloride) TO2: Spot application of metalaxyl + mancozeb@2g/l +mechanical destruction of larvae+2 sprays of spinosad 45sc@175ml/ha
xi.	**Critical Inputs**	**:**	*T. viridae, P. fluroscence*, Tebuconazole, PT with lure, neem oil, Flubendiamide, rice bran, jiggery, cartap hydrochloride, metlaxyl + mancozeb, Spinosad
xii.	**Unit Size**	**:**	$800m^2$
xiii.	**No of Replications**	**:**	7
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	PDI (Stem rot, collar rot), % leaf damage by Spodoptera, per cent head damage by Helicoverpa, yield, B:C ratio & Economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	TO1- OUAT, 2020-21 TO2-UAS, Raichur, 2020

OFT-6

i.	**Season**	**:**	Kharif , 2022

ii.	**Title of the OFT**	**:**	Assessment of growing media for raising seedlings in portrays
iii.	**Thematic Area**	**:**	Nursery management
iv.	**Problem diagnosed**	**:**	High mortality and poor quality of seedling grown in soil
v.	**Production system**	**:**	Nursery
vi.	**Micro farming situation**	**:**	Nursery
vii.	**Technology for Testing**	**:**	Growing media for raising seedlings in portrays
viii.	**Existing Practice**	**:**	Raising seedling in portrays using soil
ix.	**Objective(s)**	**:**	To assess and find out best growing media for raising seedling in portrays
x.	**Treatments**	**:**	TO_1 : Raising seedlings in portray with Cocopeat TO_2 : Raising seedling with 75% cocopeat +25% FYM enriched with neem cake and biopesticides (T. viride, P. flouroscence@2kg each in 200kg neem cake mixed with 600kg FYM) in portrays
xi.	**Critical Inputs**	**:**	Cocopeat, biopesticides, portrays
xii.	**Unit Size**	**:**	40 nos
xiii.	**No of Replications**	**:**	7
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Germination %, mortality %, % damaged seedlings, Economics
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	**TO_1 :** CIWA, 2015 **TO2:** TNAU,2019

OFT-7

xviii.	**Season**	**:**	Rabi, 2022-23
xix.	**Title of the OFT**	**:**	Assessment of different trellies in bitter gourd for higher production
xx.	**Thematic Area**	**:**	ICM
xxi.	**Problem diagnosed**	**:**	High incidence of fruit rot due to ground trelling
xxii.	**Production system**	**:**	Rice-Vegetable
xxiii.	**Micro farming situation**	**:**	Irrigated medium land
xxiv.	**Technology for Testing**	**:**	Different trellies in bitter gourd
xxv.	**Existing Practice**	**:**	Ground trelling
xxvi.	**Objective(s)**	**:**	To assess and find out the best trellies system for farmers in bitter gourd
xxvii.	**Treatments**	**:**	FP: Ground Trelling TO1: Single trellie, one row constructed with bamboo poles and GI wires, jute rope TO2: Lean to type trellies-stake are joined between two adjoining bed forming an A shaped structure .horizontal stakes are installed at

			the top joining of all other beds.T he stakes support the climbing vines. Strings are used to secure adjoining stakes, trellies height 2m
xviii.	**Critical Inputs**	:	Seed , seedlings, strings, GI wire, bamboo, net
xxix.	**Unit Size**	:	600 m2
xxx.	**No of Replications**	:	13
xxxi.	**Unit Cost**	:	
xxii.	**Total Cost**	:	
xxiii.	**Monitoring Indicator**	:	Length of fruit, wt of fruit(g), incidence of fruit rot,yield (q/ha)
xxiv.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	:	TO1- **CHES 2014** TO2- **CHES 2014**

OFT-8

i.	**Season**	:	Kharif – 2022
ii.	**Title of the OFT**	:	Assessment of growth promoters for maximizing carp fry yield in nursery tanks
iii.	**Thematic Area**	:	Production and Management
iv.	**Problem diagnosed**	:	Less growth rate and poor yield of fry
v.	**Production system**	:	Pond based farming system
vi.	**Micro farming situation**	:	Alluvial, small to medium tanks, irrigated, IMC & Chinese carps
vii.	**Technology for Testing**	:	Feeding of spawns with growth promoters like Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed) and commercially available yeast powderat a dose of0.5% of total powdered feed
viii.	**Existing Practice**	:	Feeding with only powdered feed (Rice bran: GNOC ::1:1)
ix.	**Objective(s)**	:	To assess the efficacy of different growth promoters, its effect on maximizing survival, fry yield and economics
x.	**Treatments**	:	Farmers' Practice (FP) : Only powdered feed (Rice bran: GNOC ::1:1) Technology Option-1 (TO-1) : Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01mg per spawn per day (Incorporated with powdered feed) Technology Option-2 (TO-2) :Use of commercially available yeast powder (*Saccharomyces cerevisiae*) at a dose of0.5% of total powdered feed to be served daily Technology Option-3 (TO-3) : Incorporation of commercially available RAAFRES-AQ @250ppm in powder feed
xi.	**Critical Inputs**	:	Manganous sulphate, Cobaltous chloride and commercially available yeast powder (*Saccharomyces cerevisiae*)
xii.	**Unit Size**	:	0.04 ha
xiii.	**No of Replications**	:	3

xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Average growth rate, Survival rate, Yield, B:C ratio
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	TO-1-ICAR-CIFA – 20013, TO-2 – TNAU-20019 and ICAR-CIFE – 2015

OFT-9

xviii.	**Season**	**:**	Kharif – 2022
xix.	**Title of the OFT**	**:**	Assessment of genetically improved Catla spawn for maximising fish productivity
xx.	**Thematic Area**	**:**	Production and Management
xxi.	**Problem diagnosed**	**:**	High mortality and poor initial growth rate of Catla spawns in nursery pond
xxii.	**Production system**	**:**	Pond based farming system
xxiii.	**Micro farming situation**	**:**	Alluvial, small to medium tanks, irrigated, IMC & Chinese carps
xxiv.	**Technology for Testing**	**:**	genetically improved Catla spawn for maximising fish productivity
xxv.	**Existing Practice**	**:**	Nursery management with stocking of normal Catla spawns @30 lakhs/ha with single basal manuring
xxvi.	**Objective(s)**	**:**	To assess growth and survibility of improved catla spawn
xxvii.	**Treatments**	**:**	TO-1: Nursery management with stocking of improved Catla spawns @30 lakhs/ha with single basal manuring TO-2: Nursery management with stocking of improved Catla spawns @30 lakhs/ha with phased manuring
xviii.	**Critical Inputs**	**:**	GI Catla spawn .
xxix.	**Unit Size**	**:**	1ac
xxx.	**No of Replications**	**:**	3
xxxi.	**Unit Cost**	**:**	
xxii.	**Total Cost**	**:**	
xxiii.	**Monitoring Indicator**	**:**	Average growth rate, Survibility (%),Yield, Economics
xxiv.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	TO-1: ICAR-CIFA – 2015 TO-2: ICAR-CIFA – 2018

OFT-10

i.	**Season**	**:**	Kharif-22
ii.	**Title of the OFT**	**:**	Assessment of effectiveness of different extension methods to access information on rice production

iii.	**Thematic Area**	**:**	ICT
iv.	**Problem diagnosed**	**:**	Poor accessibility to accurate and timely information on technical knowledge/advisory in rice production
v.	**Production system**	**:**	Rice- Pulses
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Effectiveness of extension methods to access information on rice production
viii.	**Existing Practice**	**:**	Farmers getting information from peer group, input dealers, extension functionaries, mass media and, KMA
ix.	**Objective(s)**	**:**	To assess extension methods for effective dissemination of information on rice production
x.	**Treatments**	**:**	TO-1: FP + Short Video Lecture+ Clarification session TO-2: FP + Using of "riceXpert" App.
xi.	**Critical Inputs**	**:**	Short videos
xii.	**Unit Size**	**:**	1ha
xiii.	**No of Replications**	**:**	30
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Timely Availability / delivery of technology, suitability of technology, ease in handling the extension method, retention and retrieval of information, Change in knowledge, user friendliness of the extension method continuation of the use of such method.
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	TO2: NRRI, Cuttack.2017

OFT-11

i.	**Season**	**:**	Karif/Rabi/Summer 2022
ii.	**Title of the OFT**	**:**	Assessment of the performance of FPOs with varied levels of task and commodity to enhance income
iii.	**Thematic Area**	**:**	
iv.	**Problem diagnosed**	**:**	Unorganized farmers fetching low price due to distress sale of farm produce
v.	**Production system**	**:**	Rice-pulses, Rice- Sunflower Fishery, mushroom
vi.	**Micro farming situation**	**:**	Irrigated medium land
vii.	**Technology for Testing**	**:**	Performance of FPOs to enhance income
viii.	**Existing Practice**	**:**	Farmers marketing their produce through intermediaries
ix.	**Objective(s)**	**:**	To assess and findout best model for seed production
x.	**Treatments**	**:**	TO1: FPO dealing with a single commodity with multiple task i.e., Fish production- shorting, grading, packaging and marketing TO2: FPO dealing with multi-commodity with single task i.e., Rice, pulses, sunflower-Marketing TO3- FPO dealing with multi-commodity with multi-task i.e., Rice, Pulses, Oilseeds, Mushroom- sorting, grading, packing, value addition, branding, leveling and marketing
xi.	**Critical Inputs**	**:**	

xii.	**Unit Size**	**:**	
xiii.	**No of Replications**	**:**	80
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Easy to produce (Score out of 10), Easy to sell, Easy to manage, Easy to operate, Farmers interest to become a member, Business planning and market linkage with various national and international companies Share capital contributed 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
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	-

OFT-12

i.	**Season**	**:**	**Kharif, 2022-23**
ii.	**Title of the OFT**	**:**	**Assessment of packaging practices of V. vulvacea mushroom**
iii.	**Thematic Area**	**:**	Income generation
iv.	**Problem diagnosed**	**:**	Distress sale and low income due to short shelf life
v.	**Production system**	**:**	Homestead
vi.	**Micro farming situation**	**:**	Green shade net house and under the tree
vii.	**Technology for Testing**	**:**	Perforated punnet
viii.	**Existing Practice**	**:**	Polythene
ix.	**Objective(s)**	**:**	To get more lifespan of paddy straw mushroom by keeping in punnet in thermocol box with ice comparison to polythene
x.	**Treatments**	**:**	FP: Without treatment of mushroom buds packing in polythene bag for selling purpose TO1: 75µ HIPS punnet can be used for packing in modified EPS cabinet with 6kg ice placed in the separate side compartment TO2: Mushroom packing in 75µ paper pack covering thin polythene inner side of the bag
xi.	**Critical Inputs**	**:**	Perforated punnet bag & Perforated paper pack
xii.	**Unit Size**	**:**	6 kg mushroom
xiii.	**No of Replications**	**:**	10
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Cost of input, Net profit, B:C ratio, Sensory evaluation

xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	AICRP on Post Harvesting Engg. and Technology, OUAT 2017-18

OFT-13

i.	**Season**	**:**	Kharif, 2021-22 (Year-I)
ii.	**Title of the OFT**	**:**	Assessment of production of paddy straw mushroom in semi composted substrate
iii.	**Thematic Area**	**:**	Income generation
iv.	**Problem diagnosed**	**:**	Unavailability of unthreshed paddy straw
v.	**Production system**	**:**	Mushroom production
vi.	**Micro farming situation**	**:**	Homestead
vii.	**Technology for Testing**	**:**	Semi-composting method of paddy straw mushroom cultivation
viii.	**Existing Practice**	**:**	Traditional method of mushroom cultivation by using unthreshed paddy straw
ix.	**Objective(s)**	**:**	To utilize the farm waste straw for paddy straw mushroom cultivation
x.	**Treatments**	**:**	TO1: Paddy straw + wheat bran@ 6% + Chicken manure @1.2% + CaCO3 @2% (Paddy straw chopped into 2-3 inches, the cut pieces to be spread in a thin layer and kept wet for 24 hours by sprinkling water to maintain 70 to 80 % moisture. All the ingredients except CaCO3 to be mixed with the wet straw to form heap and cover with a thin polythene sheet. Turning will be given on the 2nd,3rd & 4th day, CaCO3 to be mixed thoroughly and heap will be restored again. Semi-composted substrate will be ready on the 6th day to prepare bed) TO 2: Paddy straw+ rice bran@5% (dry wt. basis)+ CaCO3 @1% (Substrate preparation process is same as on TO1)
xi.	**Critical Inputs**	**:**	Mushroom spawn, polythene, CaCO3
xii.	**Unit Size**	**:**	
xiii.	**No of Replications**	**:**	5
xiv.	**Unit Cost**	**:**	
xv.	**Total Cost**	**:**	
xvi.	**Monitoring Indicator**	**:**	Yield per bed, days for pin head appearance , days of first harvest, bud weight
xvii.	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	**:**	CTMRT, OUAT, Bhubaneswar, Odisha, 2018 NRCM, ICAR, Solan, 2007

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	NICRA	
2	CSISA	

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
24.12.21	November, 2022

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	1000											
Water Samples	100											
Other (Please specify)												
Total	1100											

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2021	Expected fund requirement (Rs.) during 2022-23
Pay & Allowances		11300000
Traveling allowances		120000
A. Recurring Contingencies		
OE		550000
Training & Training material		400000
FLD		173000
OFT		200000
SCSP		900000
TOTAL (A)		**2223000**
B. Non-Recurring Contingencies		
Equipment & Furniture		200000
Library		10000
TOTAL (B)		**210000**
Grand Total (A+B)		**14063000**

****