



ACTION PLAN

2023

Krishi Vigyan Kendra, Kendrapara

Zone-V, ICAR-ATARI, Kolkata

Odisha University of Agriculture & Technology, Bhubaneswar

ACTION PLAN 2023

1. Name of the KVK: KVK, Kendrapara

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2. Name of host organization: Odisha University of Agriculture and Technology

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	Office	FAX	
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3.Training programme to be organized

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants														
						SC		ST		Other		Total								
						M	F	M	F	M	F	M	F	T						
IWM	Integrated weed management in rice	1	1	Jantilo	14.07.2023															30
IWM	Integrated weed management in Jute	1	1	Jampara	25.07.2023															30
Organic production	Organic aromatic rice production	1	1	Gandakula	11.08.2023															30
Organic production	Green manuring& its effect on soil health	1	1	Itipur	31.08.2023															30
ICM	Improved retting technology of Jute	1	1	Dashipur	13.09.2023															30
Residue Management	In-situ residue management in rice	1	1	Bhandilo	11.10.2023															30
INM	Integrated nutrient management in Sunflower	1	1	Bedari	25.10.2023															30
IWM	Weed management in groundnut	1	1	Kasotibali	07.11.2023															30
INM	Micronutrient nutrient management in pulse crops	1	1	Badamulabasanta	12.12.2023															30
IWM	Integrated weed management in pulses	1	1	Ender	09.01.2024															30
INM	Integrated nutrient management in groundnut	1	1	Berhampur	27.01.2024															30
INM	Best management practices in millets	1	1	Khamarkeshpur	08.02.2024															30
ICM	ICM of drill seeded greengram	1	1	Berhampur	10.01.2024															
QPM production	Techniques of grafting in brinjal	1	1	Srirampur	14.08.2023															30
Production technology	Cultivation practice of water chestnut	1	1	Tarando	27.07.2023															30
Orchard management	Lay out, planning and establishment of orchard	1	1	Tamalsasan	14.07.2023															30

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants														
						SC		ST		Other		Total								
						M	F	M	F	M	F	M	F	T						
Seed production	Seed production in water melon	1	1	Ender	25.08.2023															30
QPM	Macro propagation in Banana	1	1	Itipur	11.09.2023															30
Production technology	Production techniques of spine gourd	1	1	Khulari	22.09.2023															30
Orchard management	Crop regulation practices in mango	1	1	Jajanga	09.10.2023															30
Orchard management	Canopy management in fruit crops	1	1	Gandakula	19.10.2023															30
Production technology	Scientific cultivation of summer tomato	1	1	Badafogal	07.11.2023															30
Nursery Raising	Seedling raising techniques in Vegetables	1	1	Badamulabasanta	11.12.2023															30
Production technology	High value flower cultivation techniques	1	1	Kulhari	11.01.2024															30
Production technology	Cultivation Techniques of Dragon fruit	1	1	Bhandilo	17.02.2024															30
IPM	Sheath blight management in rice	1	1	Raghunathpur	15.07.2023															30
IPM	IPM strategy for management of major insect pest of rice	1	1	Nilakanthpur	31.07.2023															30
IPM	Major disease management in jute	1	1	Bhandilo	25.07.2023															30
IPM	Management of wilt complex in brinjal	1	1	Gandakula	10.08.2023															30
IPM	Sucking pest management in chilli	1	1	Ender	22.08.2023															30
IPM	IDM in rice	1	1	Napanga	13.9.2023															30
IPM	Fruit fly management in cucurbits	1	1	Ranki	19.9.2023															30
IPM	Management of rugose spiraling white fly in coconut	1	1	Pakhyot	07.10.2023															30

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants														
						SC		ST		Other		Total								
						M	F	M	F	M	F	M	F	T						
IPM	Management of major diseases in Banana	1	1	Madhusudanpur	11.11.2023															30
IPM	Management of serpentine leaf minor in tomato	1	1	Osongara	25.12.2024															30
IPM	IPM strategy for YMV management in Greengram and blackgram	1	1	Nilakanthapur	11.01.2024															30
IPM	Management of collar rot in ground nut	1	1	Nagaripada	17.1.2024															30
Nutritional Garden	Planning layout and management of Nutritional Garden	1	1	Jantilo	14.07.2023															30
Mushroom Production	Milky mushroom cultivation	1	1	Itipur	03.08.2023															30
Mushroom Production	Cultivation of paddy straw mushroom using improved techniques	1	1	Nikirei	17.08.2023															30
Mushroom Production	Packaging methods for better shelf life of paddy straw mushroom	1	1	Ainipara	07.09.2023															30
Poultry rearing	Duck rearing for livelihood support	1	1	Baro	21.09.2023															30
Fodder Cultivation	Fodder cultivation by women SHGs	1	1	Gandakula	12.10.2023															30
Poultry Management	Preparation of low-cost poultry feed for higher income by poultry farmers	1	1	Tarando	16.11.2023															30
Nursery Management	Seedling raising technique for women SHG	1	1	Badamulabasanta	07.12.2023															30
Feeding management	Azolla as supplementary for feeding management in poultry birds	1	1	Napanga	22.12.2023															30
Value addition	Preparation of value-added products of oyster mushroom	1	1	Dutial	24.01.2024															30

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants														
						SC		ST		Other		Total								
						M	F	M	F	M	F	M	F	T						
Value addition	Preparation of value-added products of tomato	1	1	Kharidasahi	08.02.2024															30
Value addition	Preparation of value-added products from Coconut	1	1	Kanpura	23.02.2023															30
Composite carp culture	Pre-stocking Pond management	1	1	Ghigidia	15.07.2023															30
Composite carp culture	Stocking and post stocking pond management	1	1	Badamulabasanta	24.07.2023															30
Composite carp culture	Composite carp culture	1	1	Khulari	31.07.2023															30
Intercropping of Minor carps	Short term culture of minor carps in seasonal ponds	1	1	Nilakanthpur	04.08.2023															30
Feeding management	Feeding management for carp culture	1	1	Gandakula	22.08.2023															30
Composite carp culture	Culture practices of Amur carp with IMC	1	1	Dasia	13.09.2023															30
Composite carp culture	Multiple stocking and multiple harvesting method of pisciculture	1	1	Tarando	17.10.2023															30
Biofloc culture	Biofloc fish production technique	1	1	Napanga	14.11.2023															30
Ornamental fish farming	Ornamental fish culture	1	1	Ayeba	06.01.2024															30
Fingerling production	Production of fingerlings and yearlings	1	1	Baro	25.09.2023															30
Feed preparation	Techniques of fish feed preparation	1	1	Itipur	13.12.2023															30
Disease management	Fish diseases and their management	1	1	Tarando	30.10.2023															30

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants														
						SC		ST		Other		Total								
						M	F	M	F	M	F	M	F	T						
INM	Method & time of application of Zinc in rice	1	1	Ender	29.08.2023															30
INM	Nutrient management in Brinjal	1	1	Dasia	15.09.2023															30
INM	Soil test-based fertilizer application in Jute	1	1	Tamalsasan	18.07.2023															30
INM	Nutrient management in Rice.	1	1	Bhandilo	27.09.2023															30
INM	Nutrient management in okra	1	1	Raghunathpur	07.12.2023															30
INM	Nutrient management in bitterguard	1	1	Tarando	08.01.2024															30

(b) Rural youths

Thematic area	Title of Training	No.	Duration (days)	Venue On/Off	Tentative Date	No. of Participants															
						SC		ST		Other		Total									
						M	F	M	F	M	F	M	F	T							
Organic farming	Preparation of natural farming products	1	3	On	22.09.2023																20
Seed production	Seed production technology in field crops	1	3	On	23.12.2023																20
QPM	Macro propagation techniques of banana	1	2	On	20.08.2022																20
QPM	QPM production in horticultural crops	1	3	On	18.01.2023																20
IPM	Biointensive pest management in vegetable crops	1	2	On	15.01.2023																20
Bee keeping	Bee keeping for income generation	1	4	On	23.02.2023																20
Value addition	Mushroom production and value additions in mushroom	1	4	On	20.10.2023																20
Value addition	Preparation of value-added products of millets	1	3	On	10.01.2024																20
Ornamental Fish	Breeding and culture of ornamental fish	1	3	On	04.02.2024																20
Fish seed production	Carp seed production technique	1	3	On	10.08.2023																20
Vermicompost	Vermicompost production and vermiculture	1	5	On	14.07.2022																20

(C) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants												
						SC		ST		Other		Total						
						M	F	M	F	M	F	M	F	T				
Climate Resilient Agriculture	Climate resilient agriculture technology	1	1	On	26.12.2023													20
ICM	Conservation agricultural practices	1	1	On	20.11.23													
Natural Farming	Natural farming for sustainable farming	1	1	On	09.03.2024													20
FPO Management	FPO formation for marketing of water melon	1	1	On	24.06.2023													20
Climate resilient Agriculture	Climate Smart horticultural practices	1	1	On	23.02.2024													20
IPM	Recent advances in IPM strategy for major pest management in Paddy	1	1	On	23.10.2023													20
IPM	Use of New generation pesticides	1	1	On	14.12.2023													20
Nutrition Management	Nutrition management in adolescent girls	1	1	On	14.07.2022													20
Mushroom Spawn Production	Mushroom spawn production	1	1	On	23.02.2024													20
Biofloc fish production	Biofloc fish production technique	1	1	On	07.11.2023													20
Disease management	Fish health management	1	1	On	06.02.2024													20

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other			M	F	T	
		M	F	T	M	F	T	M	F	T				
I. Crop Production														
Weed Management														
Resource Conservation Technologies														
Cropping Systems														
Crop Diversification														
Integrated Farming														
Water management														
Seed production														
Nursery management														
Integrated Crop Management														
Fodder production														
Production of organic inputs														
Others, (cultivation of crops)														
TOTAL														
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management														
Water management														
Enterprise development														
Skill development														
Yield increment														
Production of low volume and high value crops														
Off-season vegetables														
Nursery raising														
Exotic vegetables like Broccoli														
Export potential vegetables														
Grading and standardization														
Protective cultivation (Green Houses, Shade Net etc.)														
Others, if any (Cultivation of Vegetable)														
TOTAL														
b) Fruits														
Training and Pruning														
Layout and Management of Orchards														
Cultivation of Fruit														
Management of young plants/orchards														
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														

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				
Propagation techniques of Ornamental Plants														
Others, if any														
TOTAL														
d) Plantation crops														
Production and Management technology														
Processing and value addition														
Others, if any														
TOTAL														
e) Tuber crops														
Production and Management technology														
Processing and value addition														
Others, if any														
TOTAL														
f) Spices														
Production and Management technology														
Processing and value addition														
Others, if any														
TOTAL														
g) Medicinal and Aromatic Plants														
Nursery management														
Production and management technology														
Post harvest technology and value addition														
Others, if any														
TOTAL														
III. Soil Health and Fertility Management														
Soil fertility management														
Soil and Water Conservation														
Integrated Nutrient Management														
Production and use of organic inputs														
Management of Problematic soils														
Micro nutrient deficiency in crops														
Nutrient Use Efficiency														
Soil and Water Testing														
Others, if any														
TOTAL														
IV. Livestock Production and Management														
Dairy Management														
Poultry Management														
Piggery Management														
Rabbit Management														
Disease Management														
Feed management														
Production of quality animal products														
Others, if any (Goat farming)														
TOTAL														
V. Home Science/Women empowerment														
Household food security by kitchen gardening and nutrition gardening														
Design and development of low/minimum cost diet														

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				
Designing and development for high nutrient efficiency diet														
Minimization of nutrient loss in processing														
Gender mainstreaming through SHGs														
Storage loss minimization techniques														
Enterprise development														
Value addition														
Income generation activities for empowerment of rural Women														
Location specific drudgery reduction technologies														
Rural Crafts														
Capacity building														
Women and child care														
Others, if any														
TOTAL														
VI. Agril. Engineering														
Installation and maintenance of micro irrigation systems														
Use of Plastics in farming practices														
Production of small tools and implements														
Repair and maintenance of farm machinery and implements														
Small scale processing and value addition														
Post Harvest Technology														
Others, if any														
TOTAL														
VII. Plant Protection														
Integrated Pest Management														
Integrated Disease Management														
Bio-control of pests and diseases														
Production of bio control agents and bio pesticides														
Others, if any														
TOTAL														
VIII. Fisheries														
Integrated fish farming														
Carp breeding and hatchery management														
Carp fry and fingerling rearing														
Composite fish culture & fish disease														
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond														
Hatchery management and culture of freshwater prawn														
Breeding and culture of ornamental fishes														
Portable plastic carp hatchery														
Pen culture of fish and prawn														
Shrimp farming														
Edible oyster farming														
Pearl culture														
Fish processing and value addition														

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other						
		M	F	T	M	F	T	M	F	T	M	F	T	
Others, if any														
TOTAL														
IX. Production of Inputs at site														
Seed Production														
Planting material production														
Bio-agents production														
Bio-pesticides production														
Bio-fertilizer production														
Vermi-compost production														
Organic manures production														
Production of fry and fingerlings														
Production of Bee-colonies and wax sheets														
Small tools and implements														
Production of livestock feed and fodder														
Production of Fish feed														
Others, if any														
TOTAL														
X. Capacity Building and Group Dynamics														
Leadership development														
Group dynamics														
Formation and Management of SHGs														
Mobilization of social capital														
Entrepreneurial development of farmers/youths														
WTO and IPR issues														
Others, if any														
TOTAL														
XI Agro-forestry														
Production technologies														
Nursery management														
Integrated Farming Systems														
TOTAL														
XII. Others (Pl. Specify)														
TOTAL														

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														
Production of organic inputs														
Planting material production														
Vermi-culture														
Sericulture														
Protected cultivation of vegetable crops														
Commercial fruit production														

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other			Total			
		M	F	T	M	F	T	M	F	T	M	F	T	
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														
Fry and fingerling rearing														
Small scale processing														
Post Harvest Technology														
Tailoring and Stitching														
Rural Crafts														
Enterprise development														
Others if any (ICT application in agriculture)														
TOTAL														

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		SC			ST			Other			Total			
		M	F	T	M	F	T	M	F	T	M	F	T	
Productivity enhancement in field crops														
Integrated Pest Management														
Integrated Nutrient management														
Rejuvenation of old orchards														
Value addition														
Protected cultivation technology														
Formation and Management of SHGs														
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														

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			
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL													

4. Frontline demonstration to be conducted*

FLD 1: Demonstration on Chemical weed management in Direct Seeded Rice

Crop: Rice

Thrust Area: Weed management in DSR

Thematic Area: IWM

Season: Kharif 2023

Farming Situation: Rice-pulse, Rainfed, Medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration												
					Name of Inputs	Demo	Local	SC		ST		Other		Total						
								M	F	M	F	M	F	M	F	T				
1	Rice	2 ha	Pre-emergence application of pyrazosulfuron ethyl @ 20 g/ha i.e 0-3 DAS followed by post-emergence application of Bispyribac sodium @ 25 g/ha at 25 DAS	Weed count/m ² , No. of effective tillers/m ² , Filled grain /panicle, Test weight, Yield & Economics	Herbicides	1200	1500													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 rice	1	30	1	Off															30
Field Day	Weed management in rice	1	50	1	Off															50

FLD 2: Demonstration on improved retting technology in jute

Crop: Jute

Thrust Area: Post harvest management

Thematic Area: Value addition

Season: Kharif 2023

Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration																	
					Name of Inputs	Demo	Local	SC		ST		Other		Total											
								M	F	M	F	M	F	M	F	T									
1	Jute	2 ha	Application of NINFET SATHI (retting accelerator) powder formulation @ 40 kg/ha	Fibre strength, Fibre colour, Yield, Economics	NINFET SATHI	400	-																		10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants																			
						SC		ST		Other		Total													
						M	F	M	F	M	F	M	F	T											
Training	Improved retting technology in Jute	1	30	1	Off																				30
Field Day	Use of NINFET SAATHI for improved retting	1	50	1	Off																				50

FLD 3: Demonstration on INM in Blackgram

Crop: Blackgram

Thrust Area: Nutrient Management

Thematic Area: INM

Season: Rabi 2023-24

Farming Situation:

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration											
					Name of Inputs	Demo	Local	SC		ST		Other		Total					
								M	F	M	F	M	F	M	F	T			
1	Blackgram	2 ha	Use of soil test-based fertilizers application+ organic integration (FYM @ 5t/ha or vermicompost 2.5t/ha) + seed inoculation of Rhizobium @1.25kg/25 kg of seed	No. of filled pod /plant, No. of seed /pod, test weight Yield (q/ha), Economics	Vermicompost, biofertilizer	800	400												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 Blackgram	1	30	1	Off														30
Field Day	Nutrient management in Blackgram	1	50	1	Off														50

FLD 4: Demonstration on integrated weed management in groundnut**Crop:** Groundnut**Thrust Area:** Weed management in groundnut**Thematic Area:** IWM**Season:** Rabi 2023-24**Farming Situation:** Irrigated medium land, sandy loan

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration														
					Name of Inputs	Demo	Local	SC		ST		Other		Total								
								M	F	M	F	M	F	M	F	T						
1	Groundnut	2.0	Pre-emergence application of pendimethalin 30%+ imazethyper 2%@ 1.0 kg/ha ready mix fb post emergence application of quizalfop-p-ethyl @50g/ha at 20 DAS	Pod weight/plant, No. of filled pod per plant, Weed control efficiency, Yield(q/ha), Economics	Herbicides	1200	1500															10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants																
						SC		ST		Other		Total										
						M	F	M	F	M	F	M	F	T								
Training	Integrated weed management in Groundnut	1	30	1	Off																	30
Field Day	Weed management in Groundnut	1	50	1	Off																	50

FLD 5: Demonstration on macro-propagation techniques in banana

Crop: Banana

Thrust Area: Production of QPM

Thematic Area: Macro propagation method

Season: Rabi 2023-24

Farming Situation: Irrigated, medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration										
					Name of Inputs	Demo	Local	SC		ST		Other		Total				
								M	F	M	F	M	F	M	F	T		
1	Banana	0.4 ha	Macro propagation method in Banana (From single rhizome through macro propagation 40-45 suckers produce over a period of 4- 5 months)	Days to first, second & third decapitation, Survival % after hardening	QPM	1500	700											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	QPM production of Banana by macro-propagation	2	F&FW/R Y	3	Off /On													30
Field Day	Macro-propagation of banana	1	F&FW	1	Off													50

FLD 6: Demonstration on cultivation of grafted brinjal

Crop: Brinjal

Thrust Area: Production management

Thematic Area: Grafted brinjal seedling production

Season: Kharif 2023

Farming Situation: Irrigated, Medium land, Vegetable–Vegetable farming 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	Brinjal (Grafted)	1.0	Grafted brinjal cultivation (Grafted scions of VNR 212)	Days to first fruiting, Per plant yield, Disease incidence, Yield & Economics	QPM	3000	1200														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 QPM production by grafting method in Brinjal and other vegetables	1	30	1	Off																30
Field Day	Grafting method in Brinjal	1	50	1	Off																50

FLD 7: Demonstration of seed production in water melon**Crop:** Water melon**Thrust Area:** Crop Management**Thematic Area:** Quality planting material production**Season:** Rabi 2023-24**Farming Situation:** Rice-vegetable, 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	Water Melon	1	An icebox segment watermelon variety "ARKA SHYAMA" has dark greenish black rind, oblong fruit shape, early (65-70 days to harvest) possessing dark red coloured, crispy, sweet (TSS-12%) flesh.	Numbers of fruits per vine & Seed Cost saving. Organoleptic Test	Seeds	1500	2000													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 method of seed production in Water melon	1	30	1	Off															30
Field Day	Cultivation of Arka Shyama	1	50	1	Off															50

FLD 8: Demonstration of dragon fruit integration in existing horticulture based cropping system

Crop: Dragon Fruit

Thrust Area: Crop production

Thematic Area: Cultivation of high value crop

Season: Kharif 2023

Farming Situation: Irrigated, Horticulture based 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	Dragon fruit	1.0	Cultivation of dragon fruit var. Red flesh	No of new shoots/pole Nos. of fruits/Pole Yield/Pole (in kg) Yield/Pole (in kg) Economics	QPM	2500	-													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 Dragon fruit	1	30	1	Off															30
Field Day	Scientific cultivation of Dragon fruit	1	50	1	Off															50

FLD 9: Demonstration on integrated nutrient management in Brinjal

Crop: Brinjal

Thrust Area: INM

Thematic Area: INM

Season: Late Kharif 2023

Farming Situation: Irrigated upland, vegetable-vegetable

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	2.0	Application of 75% of ST BR Fertilizer N + <i>Azotobacter</i> 4 Kg/ha + <i>Azospirillum</i> 4 Kg/ ha + full P and K in brinjal recorded maximum fruit yield of brinjal of 36.1t / ha resulting in 17% increase over existing practice	No of Fruit/plant, Fruit wt. Yield and Economics	Azotobacter, Azospirillum	2000	1000														10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants															
						SC		ST		Other		Total									
						M	F	M	F	M	F	M	F	T							
Training	Integrated nutrient management in Brinjal	1	30	1	Off																30
Field Day	Integrated nutrient management in Brinjal	1	50	1	Off																50

FLD 11: Demonstration on micronutrient management in Bitter gourd

Crop: Bitter gourd

Thrust Area: Nutrient management

Thematic Area: INM

Season: Late Rabi 2023-24

Farming Situation: Rice–Vegetable, 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	Bitter gourd	2.0	Soil application of Zinc @2.5 kg/ha and Boron @ 1 kg/ha with STBF	No of fruits per plant, Fruit weight, Fruit yield per plant Yield, Economics	Zinc Boron	600	300														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 Bittergourd	1	30	1	Off																30	
Field Day	Nutrient management in bittergourd	1	50	1	Off																	50

FLD 13: Demonstration on management of sheath blight in rice

Crop: Rice

Thrust Area: Disease management

Thematic Area: Sheath blight management

Season: Kharif 2023

Farming Situation: Rice-pulse, Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration													
					Name of Inputs	Demo	Local	SC		ST		Other		Total							
								M	F	M	F	M	F	M	F	T					
1	Rice	2.0	Spraying of the combination fungicide Azoxystrobin+ Difencconazole @ 1ml/lit twice at 15 days interval starting from initiation of the infection	EBT/ hill, Disease incidence %, Yield (Q/ha), Economics	Azoxystrobin+ Difencconazole	1000	400														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	Management of sheath blight in rice	1	30	1	Off																30
Field Day	IPM for sheath management in rice	1	50	1	Off																50

FLD 14: Demonstration on integrated management of thrips and mite in chilli

Crop: Chilli

Thrust Area: Pest management

Thematic Area: IPM

Season: Kharif, 2023

Farming Situation: Vegetable- Vegetable, 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	Chilli	1 ha	Soil application of neem cake @ 2.5 Q/ha, Installation of blue sticky traps @50 nos/ha, application of Difenthiuron 50WP and Spiromecifen 240 SC @ 0.6 ml/lit at 10 days interval	Thrips population per upper 03 leaves, mite population per leaf, yield (Q/ha) Economics	neem cake, blue sticky traps, Difenthiuron 50WP, Spiromecifen 240 SC	1000	750														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	Management of sucking pest complex in Chilli	1	30	1	Off																30
Field Day	Management of sucking pest complex in Chilli	1	50	1	Off																50

FLD 15: Demonstration on collar rot disease management in groundnut

Crop: Groundnut

Thrust Area: Disease management

Thematic Area: IDM

Season: Rabi 2023-24

Farming Situation: Rice-groundnut, 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	2ha	Seed treatment with Carboxin 37.5% + Thiram 37.5 % @ 2.5 gm/ kg seeds during sowing and need base alternative spraying of Chlorothalonil 75% WP @ 1.5 gm/lt and Carbendazim 2 gm/lt at 15 days interval	% of disease incidence, No of pod/plant Yield (q/ha), B:C ratio	Carboxin 37.5% + Thiram 37.5 %, Chlorothalonil 75% WP, Carbendazim 2 gm/lt	1000	500													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	Management of collar rot in ground nut	1	30	1	Off															30
Field Day	Management of collar rot in ground nut	1	50	1	Off															50

FLD 16: Demonstration on management leaf minor in tomato

Crop: Tomato

Thrust Area: Pest management

Thematic Area: IPM

Season: Rabi 2023

Farming Situation: Rice-Vegetables, 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	Tomato	2 ha	Alternate spraying of insecticides Abamectin 1.8 EC @ 300 ml/ha and Fipronil 5 % SC @ 1000 ml/ha at 30 & 45 DAS	No. of infected fruits/plant, no. larvae per fruit, no. of affected leaves per plant, Yield (q/ha), B:C ratio	Abamectin 1.8 EC, Fipronil 5 % SC	1000	500															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	Management of leaf miner in tomato	1	30	1	Off																	30
Field Day	Management of leaf miner in tomato	1	50	1	Off																	50

FLD 17: Demonstration on Feeding of azolla in duck

Enterprise: Duck

Thrust Area: Feeding management

Thematic Area: Income Generation

Season: Round the year

Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration												
					Name of Inputs	Demo	Local	SC		ST		Other		Total						
								M	F	M	F	M	F	M	F	T				
1	Duck	10	Feeding of fresh Azolla @ 200g/duck/day as replacement of 20% concentrate in feed of White Pekin laying ducks	FCR, performance efficiency index, egg production and egg quality traits, yolk colour.	Ducklings, Azolla	3000	2000													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	Azolla as feed substitute in duck.	1	30	1	Off															30
Field Day	Azolla as feed substitute in duck	1	50	1	Off															50

FLD 18: Demonstration on preparation of low-cost poultry feed for higher income

Crop/Enterprise: Poultry

Thrust Area: Feed management

Thematic Area: Feed management

Season: Round the year

Farming Situation: Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration										
					Name of Inputs	Demo	Local	SC		ST		Other		Total				
								M	F	M	F	M	F	M	F	T		
1	Poultry	10	Addition ground maize 30%, GNOC 23%, Fish meal 10%, wheat barn 15%, broken rice 20%, dicalcium phosphate 1 %, aminoacids 1.6%, salt 0.4%	Body weight, FCR BC ratio	Ingredients for feed	1200	400											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	Poultry Feed management	1	30	1	Off												30
Field Day	Use of low-cost poultry feed	1	50	1	Off												50

FLD 19: Demonstration on value added products of Oyster mushroom**Crop/Enterprise:** Oyster mushroom**Thrust Area:** Post Harvest Management**Thematic Area:** Value addition**Season:** Rabi 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															
					Name of Inputs	Demo	Local	SC		ST		Other		Total									
								M	F	M	F	M	F	M	F	T							
1	Oyster Mushroom	10	Preparation of mushroom soup powder: Fresh mushroom- 125 gm, corn flour 50 gm, milk powder- 25 gm, salt- 08 gm, sugar- 03 gm, black pepper- 02 gm, oregano- 02 gm	Hours to take for drying, colour, Shelf life (Days), Taste, odour Recovery %, BC ratio	Spawn and other ingredients	500	-																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	Value addition of oyster mushroom	1	30	1	Off																		30
Field Day	Value added products of oyster mushroom	1	50	1	Off																		50

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

Name of the Crop / Enterprise	Variety / Type	Period From 1.1.22 to 31.12.22	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Kalachampa		4.8	F				
Rice	Gangabahali, Basmati, Local Scented rice		0.2	TL				
Greengram	Virat		2	TL				
Tomato	Arka Abhed				22,000 nos.			
Onion	Bhima Dark red				10,000 nos.			
Brinjal	Utkal Keshari				18,000 nos.			
Cauliflower	Megha, White shot, Juli, Lucky				13,000 nos.			
Cabbage	NS-43, BC-76, Xenith				14,000 nos.			
Chilli	Utakal Ava				15,000 nos.			
Marigold	BM-2				2,000 nos.			
Pointed Gourd	Swarna Aloukik				1,000 nos.			
Drumstick	PKM-1& ODC-3				2,000 nos.			
Papaya	Pusa Nanha				2,000 nos.			
Arecanut	Mohitnagar, Srimangala				1,000 nos.			
Dragon fruit					500 nos.			
Mushroom	Paddy straw (<i>V.volvacea</i>)				2 q			
Mushroom spawn	Paddy straw and milky				3,000 nos.			

Name of the Crop / Enterprise	Variety / Type	Period From 1.1.22 to 31.12.22	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (No. /quintal)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Vermicompost	-				20 q			
Vermin	<i>Eudrilus eugeniae</i>				0.10 q			
Azolla	<i>A. pinnata</i>				2 q			
BGA	-				2 q			
Fodder cuttings	Co 4				10,000 nos.			
Honey	<i>Apis cerena indica</i>				0.25 q			
Poultry	Kuroiler, Kadaknath, Sourangi, Aseel				3,000 nos.			
Poultry	Ducklings (Khaki campbell)				1,000 nos.			
Fingerlings	Indian Major Carp, Amur carp				30,000 nos.			

b) Village Seed Production Programme

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

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	9										
2.	Kisan Mela	3										
3.	Kisan Ghosthi	5										
4.	Exhibition	4										
5.	Film Show	13										
6.	Method Demonstrations	12										
7.	Farmers Seminar											
8.	Workshop											
9.	Group meetings	18										
10.	Lectures delivered as resource persons	65										
11.	Advisory Services	54										
12.	Scientific visit to farmers field	163										
13.	Farmers visit to KVK	1										
14.	Diagnostic visits	14										
15.	Exposure visits	7										
16.	Ex-trainees Sammelan	1										
17.	Soil health Camp											
18.	Animal Health Camp	1										
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet	10										
22.	Self Help Group Conveners meetings	1										
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (Agril. Education Day, Jai Kisan Jai Vigyan, Mahila Kisan Divas, World Food Day, Women in Agriculture Day, National Fish Farmers Day, World Meteorological Day, World Soil Day)	7										
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	4										
	Total	340										

7. Revolving Fund (in Rs.)

Opening balance of 2023-2024 (As on 01.04.2023)	Amount proposed to be invested during 2023-2024	Expected Return
3,28,634	4,00,000	2,00,000

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

i	Season	:	Kharif 2023
ii	Title of the OFT	:	Assessment of Aromatic rice varieties
iii	Thematic Area	:	Varietal Substitution
iv	Problem diagnosed	:	Low income from local aromatic rice varieties
v	Production system	:	Rice –pulse
vi	Micro farming system	:	Rainfed, Medium land
vii	Technology for Testing	:	Aromatic rice varieties
viii	Existing Practice	:	Cultivation of local rice varieties
ix	Objective(s)	:	To enhance yield and aroma of aromatic rice
x	Treatments	:	
	Farmers Practice (FP)	:	Cultivation of pimpudibasa, basumati
	Technology option-I (TO-I)	:	Cultivation of aromatic rice var. Gangabali
	Technology option-II (TO-II)	:	Cultivation of aromatic rice var. Kalikati
xi	Critical Inputs	:	Seeds
xii	Unit Size	:	0.15 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	800
xv	Total Cost	:	5600
xvi	Monitoring Indicator	:	Effective panicles/m ² , No of Filled grains /Panicle, 1000 grain weight, Organoleptic Test, Yield(q/ha) Economics
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	RRTTS, Bhawanipatna, 2020

OFT 2

i	Season	:	Kharif 2023
ii	Title of the OFT	:	Assessment of Nano Urea in Rice
iii	Thematic Area	:	INM
iv	Problem diagnosed	:	Higher use of Urea fertilizer leads to soil quality degradation
v	Production system	:	Rice –pulse
vi	Micro farming system	:	Rainfed, Medium land
vii	Technology for Testing	:	Use of Nano Urea
viii	Existing Practice	:	Use of prilled urea in higher quantity
ix	Objective(s)	:	To enhance yield through application of nano urea
x	Treatments	:	
	Farmers Practice (FP)	:	100 % N (STBFA) soil application (25 % basal + 50 % at tillering + 25 % at PI)
	Technology option-I (TO-I)	:	75 % N (STBFA) soil application (25 % basal + 50 % at tillering + 25 % at PI) + Foliar spray of nano urea @ 4 ml /lit. of water at tillering and PI)
	Technology option-II (TO-II)	:	50 % N (STBFA) soil application (25 % basal+ 50 % at tillering + 25 % at PI) + Foliar spray of nano urea @ 4ml /lit. of water at tillering and PI)
xi	Critical Inputs	:	Nano urea
xii	Unit Size	:	0.15 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	100
xv	Total Cost	:	700
xvi	Monitoring Indicator	:	Effective panicles/m ² , No of Filled grains /Panicke, 1000 grain weight, Organoleptic Test, Yield (q/ha) Economics
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT 2021

OFT 3

i	Season	:	Round the year
ii	Title of the OFT	:	Assessment of millet integrated rice based cropping system
iii	Thematic Area	:	Crop diversification
iv	Problem diagnosed	:	Low income from cropping farming system
v	Production system	:	Rice-pulse
vi	Micro farming system	:	Irrigated, Medium land
vii	Technology for Testing	:	Millet integration rice based cropping system
viii	Existing Practice	:	Rice pulse system
ix	Objective(s)	:	To enhance yield of the system
x	Treatments	:	
	Farmers Practice (FP)	:	Rice-blackgram/greengram
	Technology option-I (TO-I)	:	Rice-finger millet
	Technology option-II (TO-II)	:	Finger millet-toria-greengram
	Technology option-III (TO-III)	:	Early rice-finger millet-greengram
xi	Critical Inputs	:	Seeds
xii	Unit Size	:	0.15 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	800
xv	Total Cost	:	5600
xvi	Monitoring Indicator	:	System Yield(q/ha) Economics
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT 2021

OFT 4

i	Season	:	Rabi 2023-24
ii	Title of the OFT	:	Assessment of Bio-decomposer for in-situ rice residue management
iii	Thematic Area	:	Crop residue management
iv	Problem diagnosed	:	Environmental pollution from rice residue burning
v	Production system	:	Rice pulse
vi	Micro farming system	:	Irrigated medium and low land
vii	Technology for Testing	:	Bio decomposer for residue management
viii	Existing Practice	:	Burning of residue
ix	Objective(s)	:	To reduce the ill effects of burning of crop residue
x	Treatments	:	
	Farmers Practice (FP)	:	Burning of rice residues after harvesting with combine harvester
	Technology option-I (TO-I)	:	Use of PUSA bio-decomposer
	Technology option-II (TO-II)	:	Use of NRRI bio-decomposer
xi	Critical Inputs	:	Decomposer
xii	Unit Size	:	0.3 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	500
xv	Total Cost	:	3500
xvi	Monitoring Indicator	:	Period of decomposition, Rate of decomposition, Cost of Intervention. Soil organic matter content (Before and After), Ease of cultivation (1-5 Scale), Yield of Greengram
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	IARI, New Delhi, 2019 & NRRI, Cuttack, 2020

OFT 5

i	Season	:	Kharif 2023
ii	Title of the OFT	:	Assessment of water chestnut varieties
iii	Thematic Area	:	Varietal trial
iv	Problem diagnosed	:	No income from water logging land
v	Production system	:	Problematic water logged area
vi	Micro farming system	:	Aquatic body
vii	Technology for Testing	:	Water chestnut varieties
viii	Existing Practice	:	No cultivation
ix	Objective(s)	:	To utilize the problematic water-logged areas
x	Treatments	:	
	Farmers Practice (FP)	:	Under utilization of water lodging land
	Technology option-I (TO-I)	:	Cultivation of water chestnut var. Balasore Red
	Technology option-II (TO-II)	:	Cultivation of water chestnut var. Balasore Green
xi	Critical Inputs	:	QPM
xii	Unit Size	:	0.2 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	3000
xv	Total Cost	:	21000
xvi	Monitoring Indicator	:	Days to get established, Plant height during flowering, Days to 1 st flowering and fruiting, Numbers of fruits for Sq. m
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	IIWM, 2016

OFT 6

i	Season	:	Zaid 2024
ii	Title of the OFT	:	Assessment of time of planting Tomato varieties for round the year availability
iii	Thematic Area	:	Crop management
iv	Problem diagnosed	:	Unavailability of locally cultivated tomato during summer
v	Production system	:	Rice-Vegetables
vi	Micro farming system	:	Medium land irrigated
vii	Technology for Testing	:	Time of planting Tomato varieties for round the year availability
viii	Existing Practice	:	Transplanting tomato till mid- Jan
ix	Objective(s)	:	To make availability of tomato round the year with profitable market price
x	Treatments	:	
	Farmers Practice (FP)	:	No cropping during summer
	Technology option-I (TO-I)	:	Planting time first week of February
	Technology option-II (TO-II)	:	Planting time mid-February
	Technology option-III (TO-III)	:	Planting time first week of March
xi	Critical Inputs	:	QPM (Kashi Adbhut/ Arka Ananya)
xii	Unit Size	:	0.4
xiii	No of Replications	:	7
xiv	Unit Cost	:	3000
xv	Total Cost	:	21000
xvi	Monitoring Indicator	:	Fruit set %, Percentage of Sun Scald, Cost of intervention. Additional income out of this crop, B:C ratio
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	IIVR, Varnashi, 2022

OFT 7

i	Season	:	Kharif 2023
ii	Title of the OFT	:	Assessment of management of fruit fly in bitter gourd
iii	Thematic Area	:	IPM
iv	Problem diagnosed	:	Low yield of bitter gourd due to fruit fly
v	Production system	:	Vegetables-Vegetables
vi	Micro farming system	:	Irrigated upland
vii	Technology for Testing	:	IPM for fruit fly management
viii	Existing Practice	:	Spraying of Profenophos 50EC @ 02ml /lit twice at 15 days interval
ix	Objective(s)	:	To effectively manage the fruit fly infestation in bitter gourd.
x	Treatments	:	
	Farmers Practice (FP)	:	Spraying of Profenophos 50EC @ 02ml /lit twice at 15 days interval
	Technology option-I (TO-I)	:	Soil application of Chlorpyriphos 1.5 % dust @ 25 kg/ha at 30 DAG, Spot application of Jaggery (100 g), Cartap hydrochloride (2 g) & water (1 litre) poison bait, Installation of Cuelure @ 20/ha, Periodic removal of damaged fruit in bitter gourd
	Technology option-II (TO-II)	:	Food bait @ (20 baits/ ha, 100ml/ bait) (Mixture of 1kg cucumber fruit pulp + 50g Gur + 100ml cow urine + 0.5 lit water and kept for overnight, diluted in 5 lit water and added 10 ml malathion) + Pheromone trap with Cue- lure @ 25 traps / ha installed at 20 DAS (Change of lure at 20 days interval) + foliar spray with Spinosad 45 % SC @ 20 ml/ ha at 30, 45, 60 and 75 DAS
xi	Critical Inputs	:	Pesticides
xii	Unit Size	:	0.3 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	1500
xv	Total Cost	:	10500
xvi	Monitoring Indicator	:	No. of damaged fruit per plant, insect catch/ trap Yield (q/ha)
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	RRTTS, Ranital, OUAT, AR, 2019-20 RRTTS, Bhubaneswar, 2023

OFT 8

i	Season	:	Rabi 2023-24
ii	Title of the OFT	:	Assessment of IPM strategy for management of YVMV in greengram
iii	Thematic Area	:	IPM
iv	Problem diagnosed	:	Low yield of potato due to late blight
v	Production system	:	Rice-Pulse
vi	Micro farming system	:	Rainfed, Medium Land
vii	Technology for Testing	:	IPM for management of YVMV in greengram
viii	Existing Practice	:	Spraying with Cypermethrin @2gm per lit water twice at 15 days interval
ix	Objective(s)	:	To control the YVMV infestation and increase the yield
x	Treatments	:	
	Farmers Practice (FP)	:	Spraying with Cypermethrin @2gm per lit water twice at 15 days interval
	Technology option-I (TO-I)	:	Seed treatment with Thiamethoxam 25 % WG @ 5g/kg seed followed by installation of yellow sticky trap (YST) 50/ha and spraying of Acetamiprid @ 0.03% twice at 30 days after sowing and at 15 days interval
	Technology option-II (TO-II)	:	Seed treatment with Imidacloprid 600 FS @ 5 ml/kg, placement of yellow sticky trap @ 50/ha, spraying of Neem oil 0.15% @ 2 ml/l at 30 DAS and need based spraying of Diafenthiuron 50 % WP @ 1 gm /l at 45 DAS
xi	Critical Inputs	:	Pesticides, Yellow sticky trap
xii	Unit Size	:	0.3 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	1500
xv	Total Cost	:	10500
xvi	Monitoring Indicator	:	% of disease incidence, Yield (q/ha), B:C ratio
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	OUAT,2019 and OUAT 2020-21

OFT 9

i	Season	:	Round the year, 2023-24
ii	Title of the OFT	:	Assessment of Arka mushroom nutri cereal cookies for enhancing income of SHGs/FPOs
iii	Thematic Area	:	Value addition
iv	Problem diagnosed	:	High drudgery in manual weeding
v	Production system	:	Homestead
vi	Micro farming system	:	Homestead
vii	Technology for Testing	:	Preparation of Arka mushroom nutri cereal cookies
viii	Existing Practice	:	Plain biscuit preparation using refined flour
ix	Objective(s)	:	To enhance the nutritive value of cookies for higher income
x	Treatments	:	
	Farmers Practice (FP)	:	Plain biscuit preparation using refined wheat flour
	Technology option-I (TO-I)	:	Preparation of Arka mushroom nutria cereals cookies – Blue Oyster mushroom powder in combination with sorghum / Jowar powder
	Technology option-II (TO-II)	:	Preparation of Arka mushroom nutria cereals cookies – Blue Oyster mushroom powder in combination with ragi powder
xi	Critical Inputs	:	Mushroom powder, Sugar, Sorghum, Ragi powder, Oil, Ghee, Oven
xii	Unit Size	:	01
xiii	No of Replications	:	7
xiv	Unit Cost	:	1500
xv	Total Cost	:	10500
xvi	Monitoring Indicator	:	Shelf life, Sensory Evaluation, Economics
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	IIHR, 2021

OFT 10

i	Season	:	Kharif, 2023
ii	Title of the OFT	:	Assessment of improved techniques for cultivation of paddy straw mushroom (V. Volvacea) using crumpled straw
iii	Thematic Area	:	Mushroom production
iv	Problem diagnosed	:	Low income from rectangular compact method t
v	Production system	:	Homestead
vi	Micro farming system	:	Homestead
vii	Technology for Testing	:	Methods of cultivation of PSM from crumpled straw
viii	Existing Practice	:	Mushroom production from crumpled straw by rectangular compact method (45cmx60cmx45cm)
ix	Objective(s)	:	To enhance yield of PSM from crumpled straw
x	Treatments	:	
	Farmers Practice (FP)	:	Mushroom production from crumpled straw by rectangular compact method (45cmx60cmx45cm)
	Technology option-I (TO-I)	:	Square compact Bed: 30cmx30cm Mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5 hours in 2 % CaCO ₃ , 14-20 days age spawn at 2% of dry substrate weight and horse gram powder (At 3% dry substrate weight)
	Technology option-II (TO-II)	:	Circular compact bed size (45 cm diameter, 45 cm height), Technology same as To1
xi	Critical Inputs	:	Spawn, Polythene, Caco3 powder, Pulse powder
xii	Unit Size	:	01
xiii	No of Replications	:	7
xiv	Unit Cost	:	2000
xv	Total Cost	:	14000
xvi	Monitoring Indicator	:	Avg weight(g), Days to pin head appearance, biological efficiency
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	TNAU, 2012

OFT 11

i	Season	:	Kharif, 2023
ii	Title of the OFT	:	Assessment of growth promoters for maximizing carp fry yield in nursery tank
iii	Thematic Area	:	Nursery tank management
iv	Problem diagnosed	:	Low yield of carp fry due to non use of growth promoters
v	Production system	:	Pond based
vi	Micro farming system	:	Pond based
vii	Technology for Testing	:	growth promoters for maximizing carp fry yield in nursery tank
viii	Existing Practice	:	Use of only powdered feed (Rice bran: GNOC :: 1:1)
ix	Objective(s)	:	To increase the yield in nursery tank
x	Treatments	:	
	Farmers Practice (FP)	:	Use of only powdered feed (Rice bran: GNOC:: 1:1)
	Technology option-I (TO-I)	:	Use of Manganous sulphate and Cobaltous chloride each at a dose of 0.01 mg per spawn per day (incorporated with powdered feed)
	Technology option-II (TO-II)	:	Use of commercially available yeast powder (<i>S. cerevisiae</i>) at a dose of 0.5% of total powdered feed to be served daily
xi	Critical Inputs	:	Manganous sulphate, Cobaltous chloride and Yeast powder
xii	Unit Size	:	0.2 ha
xiii	No of Replications	:	7
xiv	Unit Cost	:	700
xv	Total Cost	:	4900
xvi	Monitoring Indicator	:	Avg. growth rate, Survival (%)
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA, 2013 TNAU, 2019

OFT 12

i	Season	:	Rabi, 2023-24
ii	Title of the OFT	:	Assessment of growth performance of different species in Biofloc system
iii	Thematic Area	:	Species evaluation
iv	Problem diagnosed	:	Low yield of carps in biofloc culture system
v	Production system	:	Bio floc tank
vi	Micro farming system	:	Bio floc tank
vii	Technology for Testing	:	Different species in Biofloc system
viii	Existing Practice	:	Stocking of carp fingerlings @ 100/m ³
ix	Objective(s)	:	To standardize suitable species for biofloc system
x	Treatments	:	
	Farmers Practice (FP)	:	Stocking of carp fingerlings @ 100/m ³
	Technology option-I (TO-I)	:	Stocking of GIFT Tilapia fingerlings @ 100/m ³
	Technology option-II (TO-II)	:	Stocking of Amur carp fingerlings @100/m ³
	Technology option-III (TO-III)	:	Stocking of Catfish (Magur) fingerlings @180/m ³
xi	Critical Inputs	:	fingerlings
xii	Unit Size	:	10 m ³
xiii	No of Replications	:	7
xiv	Unit Cost	:	1600
xv	Total Cost	:	10500
xvi	Monitoring Indicator	:	Average body weight, Floc density (mg/L), Survival (%)
xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	NFDB, Hyderabad, 2018

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 2022	Proposed date during 2023
23.11.2022	-

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC to be distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	260 (Gridwise)									150	15	260
Water Samples	20									20	5	20
Other	-											
Total	280									170	20	280

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2022	Expected fund requirement (Rs.) during 2023-24
POL, Stationeries	4,60,000	7,00,000
Training	3,45,000	5,00,000
FLD	1,73,000	1,80,000
OFT	1,72,000	1,80,000
SCSP	13,00,000	15,00,000
Library	10,000	50,000
T.E		
HRD	30,000	50,000
Equipment	2,16,000	12,00,000
Furniture & Fixture	1,50,000	6,00,000
Total	28,56,000	49,60,000

* Any additional requirement may be suitably justified.

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