

REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK: Ganjam-I

Address	Telephone	E mail
Krishi Vigyan Kendra, Ganjam-I At : Benakunda P.O: Dihapadhala Via: Tanarada Dist: Ganjam Pin : 761 140 Orissa		kvkganjam1.ouat@gmail

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Vice-Chancellor, OUAT, Bhubaneswar- 751003 Orissa University of Agriculture & Technology	0674-2392677		vcouat@gmail.com

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

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration (Day)	Venue On/Off	Tentative Date	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Crop management	ICM in Ragi	2	1	Off	8.3.2022 & 10.3.2022										25
Crop management	ICM in Maize	1	1	On	4.4.2022										25
Weed management	IWM in rice	1	1	Off	10.5.2022										25
Weed management	Weed management in DSR	1	1	Off	8.6.2022										25
Nutrient management	INM in greengram	1	1	Off	5.7.2022										25
Crop management	ICM in ground nut	2	1	On	3.8.2022										25
Plant protection	Management of major	1	1	On	04.01.2022										25

	diseases in chilli													
Plant protection	Management of major insect pest of cashew nut	1	1	Off	28.02.2022									25
Plant protection	IPM in sesame	1	1	Off	16.03.2022									25
Plant protection	Management of major diseases in Yam	1	1	Off	12.04.2022									25
Plant protection	Management of fall army worm in Maize	1	1	On	22.06.2022									25
Plant protection	IPM in Rice	1	1	On	13.07.2022									25
Plant protection	IDM in Ragi	1	1	Off	26.07.2022									25
Plant protection	IDM in Rice	1	1	Off	19.08.2022									25
Plant protection	IPM in pigeonpea	1	1	On	21.09.2022									25
Plant protection	Management of diseases in Brinjal	1	1	On	19.01.2022									25
Plant protection	IPM in cauliflower	1	1	Off	04.11.2022									25
Plant protection	Honey bee rearing	1	1	On	14.12.2022									25
Plant protection	IPM in mango	1	1	Off	28.12.2022									25
HOV	Production technology of pod vegetables	1	1	On	24.02.2022									25

HOV	INM in tuber vegetable crops	1	1	Off	15.03.2022									25
HOV	Package of practices for Brinjal cultivation	1	1	Off	09.06.2022									25
HOV	Agro-techniques for Chilli cultivation	1	1	Off	12.07.2022									25
HOV	Off-season Tomato cultivation	1	1	Off	17.08.2022									25
HOV	Off-season cauliflower cultivation	1	1	Off	13.09.2022									25
HOV	INM in cole crops	1	1	On	22.09.2022									25
HOV	Quality seedling production of vegetable in portray	1	1	On	28.09.2022									25
HOV	Use of growth regulators in vegetables	1	1	On	13.10.2022									25
HOV	Agro-techniques for Bitter gourd cultivation	1	1	Off	17.11.2022									25
HOV	Physiological disorder in cole crops	1	1	Off	29.11.2022									25
HOV	Package of practices for pointed gourd cultivation	1	1	Off	13.12.2022									25
Minimization of nutrient	Minimization of nutrient	1	1	Off	24.03.2022									25

loss in processing	loss in processing													
Capacity building	Moisture management in paddy straw mushroom.	1	1	Off	12.04.2022									25
Design and development of low/minimum cost diet	Preparation of low cost supplementary food for children	1	1	Off	11.05.2022									25
Household food security by kitchen gardening and nutrition gardening	Planning and layout of kitchen garden	1	1	Off	08.06.2022									25
Drudgery reduction	Use of Agricultural implements and tools for drudgery reduction	1	1	On	22.07.2022									25
Cultivation of Biofertilized vegetables	Cultivation of Biofertilized vegetables	1	1	Off	16.08.2022									25
Income generation activities for empowerment of rural Women	Cultivation practices of paddy straw mushroom .	1	1	Off	29.08.2022									25
Value addition	Value addition of Ragi	1	1	Off	12.10.2022									25
Income generation activities for empowerment of rural Women	Cultivation practices of different varieties of Oyster mushroom	1	1	Off	16.11.2022									25

Income generation activities for empowerment of rural Women	Vermi composting by using spent mushroom straw	1	1	On	22.11.2022									25
Value addition	Value addition of Tomato	1	1	Off	06.12.2022									25
Value addition	Value addition of oyster mushroom	1	1	Off	20.12.2022									25
Feed management	Preparation & use of Hydroponics fodder as Livestock feed	1	1	On	19.4.2022									25
Production of quality animal products	Clean milk production and value added products of milk	1	1	On	11.05.2022									25
Dairy management	Housing, Feeding and health management in dairy animals	1	1	Off	18.6.2022									25
Dairy management	Importance of AI, heat detection and important breeds of cattle	1	1	Off	10.7.2022									25
Disease Management	Care and management of pregnant does and kids	1	1	Off	22.08.2022									25
Poultry management	Brooding management in backyard poultry	1	1	Off	17.09.2022									25

Sheep/ Goat farming	Care and management of breeding bucks	1	1	Off	17.10.2022									25
Feeding management	Fodder cultivation for livestock nutrition	1	1	Off	9.11.2022									25
Disease Management	Month wise care and management of livestock	1	1	Off	30.11.2022									25
Poultry production	Small scale poultry rearing and management	1	1	Off	15.12.2022									25
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	On	12.01.2022									25
Capacity Building Development	Income generation through agricultural and allied agricultural sector.	2	2	Off	16.02.2022 & 14.09.2022									50
Capacity Building Development	Improved techniques of Seed treatment in Groundnut	1	1	Off	08.06.2022									25
Capacity Building Development	Improved techniques of Seed treatment in Greengram	1	1	Off	06.12.2022									25
Capacity Building	Market linkage for smallholder	1	1	Off	20.07.2022									25

Development	farmers													
Mobilisation of social capital	Orientation & awareness programme on farmers clubs-formation	1	1	Off	23.08.2022									25
Formation & Management of SHG	Orientation & awareness programme on Management of SHG	1	1	Off	13.10.2022									25
Leadership management	Formation of groups for aggregation & marketing of village produce	1	1	Off	15.11.2022									25
Capacity Building Development	Orientation and capacity building of Para-extension workers (Progressive farmers) for technology dissemination in grass root level.	1	1	Off	24.11.2022									25
Capacity Building Development	Improved techniques of Seed treatment in Sesame	1	1	Off	08.12.2022									25
Mobilisation of social capital	Orientation & awareness programme on Farmers Producers Organization	1	1	Off	21.12.2022									25

(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
Production of organic	Vermicomposting	2	2	On	7.9.2022 & 25.9.2022									30

input														
HOV	Modern techniques for cultivation of apple ber	1	2	On	15.02.2022 & 16.02.2022									15
HOV	Grafting techniques in solanaceous vegetables	1	2	On	23.03.2022 & 24.02.2022									15
Plant protection	Honey bee rearing	1	2	On	04.03.2022 & 05.03.2022									15
Plant protection	Role of plant products & ITKs for pest control	1	2	On	12.05.2022 & 13.05.2022									15
Mushroom cultivation	Spawn production	1	2	On	13.09.2022 & 14.11.2022									15
Value addition	Value addition of vegetable and fruits	1	2	On	06.12.2022 & 07.12.2022									15
Sheep and goat rearing	Income generation through scientific Goat / sheep farming	1	2	on	29.8.2022 & 30.8.2022									15
Poultry farming	Low input technology (LIT) poultry farming – A futuristic approach for small farmers	1	2	On	14.9.2022 & 15.9.2022									15
Capacity Building Development	Value chain management For profitable Agribusiness	1	2	On	20.07.2022 & 21.07.2022									15
Capacity Building Development	Orientation and awareness programme on Custom hiring centres for betterment of farming	1	2	On	14.12.2022 & 15.12.2022									15

	community													
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(c) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration (Day)	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Crop management	Artificial intelligence use in crop production	1	1	On	17.11.2022									15
HOV	Canopy management of mango plantation	1	1	On	22.02.2022									15
Plant protection	Role of new generation pesticide for pest control	1	1	On	28.06.2022									15
Household food security	Food and nutritional security through kitchen garden	1	1	On	08.07.2022								15	15
Women and child care	Dietary management for pregnant and lactating women	1	1	On	04.11.2022								15	15
Management in farm animals	Recent Technologies of Livestock Based Integrated Farming System for Doubling Farmers Income	1	2	Off	19.12.22 – 20.12.22									15
Capacity building for	ICT-led knowledge management	1	1	On	21.09.2022								10	10

ICT application	and usage patterns in Agriculture													
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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	2												50
Resource Conservation Technologies													
Nutrient management													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	6												150
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	8												200
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1												25
Water management													
Enterprise development													
Skill development													
Yield increment	1												25
Production of low volume and high value crops													
Off-season vegetables	2												50
Nursery raising	1												25
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													

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 (Cultivation of Vegetable)	7												175
TOTAL	12												300
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													

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													
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	3												75
Poultry Management	2												50
Piggery Management													
Rabbit Management													
Disease Management	1												25
Feed management	2												50
Production of quality animal products	1												25
Others, if any (Goat farming)	1												25
TOTAL	10												250
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1												25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Other					
		M	F	T	M	F	T	M	F	T	M	F	T
Design and development of low/minimum cost diet	1												25
Designing and development for high nutrient efficiency diet	1												25
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	3												75
Income generation activities for empowerment of rural Women	3												75
Location specific drudgery reduction technologies	1												25
Rural Crafts													
Capacity building	1												25
Women and child care													
Others, if any (Cultivation of Biofertilized Vegetable)	1												25
TOTAL	12												300
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	8												20

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
													0
Integrated Disease Management	4												100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others (Income generation)	1												25
TOTAL	13												325
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													
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													

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 of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development	1												25
Group dynamics													
Formation and Management of SHGs	1												25
Mobilization of social capital	2												50
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any	8												200
TOTAL	12												300
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	67	0	0	0	0	0	0	0	0	0	0	0	1675

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	1												15
Bee-keeping	1												15
Integrated farming													
Seed production													
Production of organic inputs	2												30
Planting material production	1												15
Vermi-culture													

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
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production	1												15
Repair and maintenance of farm machinery and implements/custom hiring	1												15
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1												15
Production of quality animal products													
Dairying													
Sheep and goat rearing	1												15
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												15
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													

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
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Value chain management	1												15
Others (Plant protection ITK)	1												15
TOTAL	12												180

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 Pest Management	1												15
Integrated Nutrient management	1												15
Rejuvenation of old orchards	1												15
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													

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
Capacity building for ICT application	2												30
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1												15
Livestock feed and fodder production													
Household food security	1												15
Women and Child care	1												15
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	8												120

4. Frontline demonstration to be conducted* 1

Crop: Ragi (High yielding variety of ragi)

Thrust Area: Crop management

Thematic Area: Varietal evaluation

Season: Kharif, 2022 (Year-II)

Farming Situation: Ragi-pulses

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1	Ragi/Arjuna	4/20	Cultivation of var. Arjuna (OEB 526) is a HYV of ragi having 105-115 days duration with yield of 23-25 q/ha. Moderately resistant to neck, leaf and finger blast diseases	No of fingers/panicle Effective tillers/hill, grain yield, Net return, B:C ratio	Arjuna variety												20

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Client ele	Dura tion	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	ICM on ragi	1	F/FW	1 day	off									25
Field day	Demonstration of HYV Arjuna	1		1 day	off									50

Frontline demonstration to be conducted* 2

Crop: Rice (low dose herbicide molecules in transplanted rice)

Thrust Area: Weed management

Thematic Area: Integrated Weed Management

Season: Kharif, (Year – II)

Farming Situation: Rice-greengram

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
2	Rice	2/10	Fenoxaprop-p-ethyl+ethoxysulfuron at 15 DAT	Effective tillers/hill, WCE %, WI% grain yield, Net return, B:C ratio	Fenoxaprop-p-ethyl ethoxysulfuron											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	IWM on Rice	1	F/FW	1 day	Off									25
Field day	Demonstration of weed management in rice	1		1 day	Off									50

Frontline demonstration to be conducted* 3

Crop: Rice (Pre & post emergence herbicides in DSR)

Thrust Area: Weed management

Thematic Area: Integrated Weed Management

Season: Kharif (Year – I)

Farming Situation: Rice - Greengram

Sl. No .	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
3	Rice	2/10	Bispyribac Na @ 7 DAS + Ethoxysulfuron @ 21 DAS	Effective tillers/hill, WCE %, WI% grain yield, Net return, B:C ratio	Bispyribac Na ethoxysulfuron												10

Extension and Training activities under FLD: High yielding Blackgram variety OBG 33

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Weed management in DSR	1	F/FW	1 day	off									25
Field day	Demonstration of Pre and post emergence herbicide in DSR	1		1 day	off									50

Frontline demonstration to be conducted* 4

Crop: Blackgram (High yielding Blackgram variety OBG 33)

Thrust Area: Crop management

Thematic Area: Varietal evaluation

Season: Rabi (Year –I)

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
4	Blackgram	2/10	Cultivation of High yielding Blackgram var. OBG 33	No. of pods per plant, no of seeds/pod, test weight, Yield, B:C ratio	OBG 33 seed											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	ICM on Maize	1	F/FW	1 day	off									25
Field day	Demonstration of high yielding Blackgram variety OBG 33	1		1 day	off									50

Frontline demonstration to be conducted- 5

Crop: Yam (Anthracnose disease management in Yam)

Thrust Area: Disease management

Thematic Area Integrated Disease management

Season: Kharif, 2022(II)

Farming Situation: Rainfed upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
5	Yam	2.0/10	Tuber treatment with Carbandazim @ 2gram/lit, band placement of Trichoderma 2.5 kg + 30 kg vermicompost/ha. On appearance of disease soil drenching with Carbandazim @ 1kg/ha	No. of rotted vines/plant Avg.wt.of corm No.of affected plants/100 m2, Yield(q/ha)	Trichoderma, Vermicompost, Carbandazim	3000										10

Extension and Training activities under FLD on Yam

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	Disease management on Yam cultivation	1	Farmer /FW	1	Off									25
Field day	Field day on Yam	1	Farmer /FW	1	Off									50

Frontline demonstration to be conducted* - 6

Crop: Honey bee (Honey bee rearing)

Thrust Area: Higher income

Thematic Area: Small scale income generation.

Season: Rabi, 2022 (Year-III)

Farming Situation: Home stead

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	Locality	SC		ST		Other		Total		
									M	F	M	F	M	F	M	F	T
6	Honey bee	05	Rearing of Honey bee(Apis cerana indica) Colony installation, management of Hive, feed management in adverse climatic condition	No. of frame in super chamber filled with honey/yr No. of new colony formed/yr	Bee box, colony	4000											5

Extension and Training activities under FLD on Honey bee

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Honey bee	1	Farmer /FW	1	Off									50
Farmer’s training	Honey bee rearing	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* - 7

Crop: Maize (Fall army worm management in Maize)

Thrust Area: Pest management

Thematic Area : Integrated Pest management

Season: *Kharif*, 2022 (Year-I)

Farming Situation: Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
7	Maize	10/2	Application of Neem pesticide(1500ppm) @ 1.5 lt./ha. at 20 DAS, Release of Trichogamma @ 50000eggs/ha. 3-4 times at 10 days interval, need based application of Chlorpyriphos + cypermethrin @ 1lt./ha., Spraying of Beauveria bassiana @ 1kg/ha at cob stage. Dusting of Chlorpyriphos dust in the field bund, erection of bird perches @ 25/ha.	Nos. of larvae/25 m2, nos. of infested plants/25m2, nos. of infested cobs/25m2, Yield(q/ha.), BC ratio	Neem, trichogamma, Chlorpyriphos + cypermethrin, Beauveria bassiana	4500	-										10

Extension and Training activities under FLD on Fall army worm management in Maize

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Maize	1	Farmer /FW	1	Off									50
Farmer’s training	Fall army worm management in Maize	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* - 8

Crop: Ragi (Pink stem borer in Ragi)

Thrust Area: Disease management

Thematic Area : Integrated Disease Management

Season: *Kharif*, 2022 (Year-I)

Farming Situation: Rainfed upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
8	Ragi	2.0/10	Spraying of NSKE (5%) at 35 DAT & Bacillus thuringiensis (Bt.) @ 1kg/ha. at ETL level	Dead heart (%), White ear head (%)	Bacillus thuringiensis	5000										10

Extension and Training activities under FLD on Pink stem borer in Ragi

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Ragi	1	Farmer /FW	1	Off									50
Farmer's training	Pink stem borer in Ragi	1	Farmer /FW	1	Off									25

Frontline demonstration to be conducted* 9

Crop: Chilli (Application of growth regulator in Chilli)

Thrust Area: vegetable production

Thematic Area: ICM

Season: Kharif , 2022(I)

Farming Situation: Irrigated upland

SL. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
9	Chilli	1 ha	Spray of Triacntanol @ 1.25ml/liter at 40, 60 and 80 th days of planting.	No. of fruits /plant, Yield of Fruits/plant Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on application of growth regulator in Chilli

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

Frontline demonstration to be conducted 10**Crop: Brinjal (Wilt tolerant variety Swarna Shyamali)****Thrust Area:** vegetable production**Thematic Area:** varietal evaluation**Season:** Kharif 2022 (II)**Farming Situation:** Irrigated up land

	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
10	Brinjal	1 ha	Brinjal var. Swarna Shyamali, green with white stripe, round, weight 150 to 200 gm and tolerant to bacterial wilt	Wilting %, No. of fruits/plant Yield (q/ha), B:C ratio												10

Extension and Training activities under FLD on Wilt tolerant variety Swarna Shyamali

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

Frontline demonstration to be conducted 11

Crop: Tomato (Cultivation of triple resistant hybrid Arka Rakshak)

Thrust Area: vegetable production

Thematic Area: varietal evaluation

Season: Rabi-2022 (III)

Farming Situation: Irrigated up land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
11	Tomato Arka Rakshak	1.0 ha	Arka Rakshak-High yielding F1 hybrid with triple resistant to ToLCV, BW & Early blight,. Yield-100 t/ha in 140-150 days	Wilting %, No of fruit/plant Yield (q/ha), B:C ratio,													10

Extension and Training activities under FLD on Tomato

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Field day	Field day on tomato	1	Farmer/FW	1	Off									50
Farmer’s training	Off-season Tomato cultivation	1	Farmer/FW	1	Off									25

Frontline demonstration to be conducted – 12

Crop: Bitter gourd (INM practices in Bittergourd)

Thrust Area: vegetable cultivation

Thematic Area: INM

Season: Rabi 2022 (II)

Farming Situation: Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
12	Bitter gourd	1.0	STBF +vermicompost (2.5 ton/ha)+Azotobactor:Azospirillum:PSB @1:1:1 @ 4 kg/ha applied 3 time (basal, 30 days & 45 days)	No. of fruits /plant, fruit weight Yield, B:C Ratio												10

Extension and Training activities under FLD: INM practices in Bittergourd

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on bitter gourd	1	F/FW	1	Off									50
Farmer’s training	Package of practices for bitter gourd cultivation	1	F/FW	1	Off									25

Frontline demonstration to be conducted – 13

Crop: Marigold (Marigold Cultivation for income generation for SHGS)

Thrust Area: marigold cultivation

Thematic Area: Income generation

Season: Rabi, 2022

Farming Situation: Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
13	Marigold	10 units	The plants are medium in height ,bushy,and bears flower buds withrin 15 days of planting. Number of flower per plant(128/plant), the flowers are attractive orange in colour , compact, and found suitable for making garland	Keeping quality, Flowers/ plants, Diameter of flower	Seedlings	Rs 1500 per unit			4				6			10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Marigold Cultivation	1	Farmwomen Extension	1	Off		10		20		10		40	40
Training	Marigold Cultivation for SHGs	1	Farmwomen	1	Off		5				20		30	25

Frontline demonstration to be conducted - 14
Crop: Nutritional garden (For Improving nutritional security of farm family)
Thrust Area: Food & nutrition security

Thematic Area: Food security

Season: Through out the year (Year-III)

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
14	Nutritional garden	0.5	A nutritional garden with trellis structure, vermi compost unit, protray for seedling raising will facilitate production of vegetables round the year and improve nutrient intake at household level	Consumption of vegetables/day Availability of vegetable/day	Seeds & planting material						3		7		10	10

Extension and Training activities under FLD: For Improving nutritional security of farm family

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	Planning and layout of Nutritional Garden	1	Farmer	1 day	Off								25	25
Field Day	Nutritional Garden	1	Farmer	1 day	Off								40	40

Frontline demonstration to be conducted - 15

Crop: Spent Mushroom substrate (Vermicompost production by using spent mushroom)

Thrust Area: Mushroom cultivation

Thematic Area: Small scale income generation

Season: Rabi, 2021 (Year-II)

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
15	Mushroom spent straw	10beds	Cow dung+ spent mushroom straw 1:2 ratio	Kg/tank, N:P:K:analysis	Verm & vermibed				3				7		10	10

Activities under FLD: Vermicompost production by using spent mushroom

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
Mushroom spent straw	Training , Field day	2	Farmer	2days	Off								75	75

Frontline demonstration to be conducted - 16

Crop- Blue Oyster Mushroom (Cultivation of Blue Oyster mushroom)

Thrust Area: Mushroom cultivation

Thematic Area: Small scale income generation

Season: Rabi 2022(Year-I I)

Farming Situation: Homestead

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	
16	Oyster mushroom – <i>Hipsizygyus ulmarius</i>	200 bags	Straw-2kg, , soaking period-6hrs) and yield is avg.2 kg/bag, required temp. is 10-18degree .	Pin head appearance(days), Days of first flush, average fruit body wt(gm), Biological efficiency(%) , yield	spawn & polythene bag											10	10

Extension and Training activities under FLD: Cultivation of Blue Oyster mushroom

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
Blue oyster mushroom cultivation	Training , Field day	2	Farmer	2days	Off								

Frontline demonstration to be conducted* 17

Crop: Fodder (Perennial fodder production in dairy nutritional management)

Thrust Area: Dairy farming

Thematic Area: LPM

Season: Kharif, 2022(III)

Farming Situation: Semi - intensive

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
17	Fodder Hybrid Napier (CO4), Sugarcane grass	5 no	Demonstration on perennial fodder production in dairy nutritional management (Var. Sugarcane grass and Hybrid napier CO4)	Feeding cost/cow/day, milk production in kg/cow/day, change in milk fat and SNF%.	Rooted slips or stem cuttings											5

Extension and Training activities under FLD: Perennial fodder production in dairy nutritional management

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	Fodder cultivation for livestock nutrition	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 18

Crop: Goat (Hydroponic maize fodder for improved performance in goat kid)

Thrust Area: Feed & fodder

Thematic Area: LPM

Season: Kharif, 2022(I)

Farming Situation: Semi-intensive / free ranging

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
18	Goat	5	Demonstration on hydroponic maize fodder for improved performance in goat kid (Hydroponic maize fodder with 50% replacement of concentrate mixture in growth performance of goat kids)	Body weight gain, diseases incidence	Hydroponics unit/ seeds											5

Extension and Training activities under FLD: Hydroponic maize fodder for improved performance in goat kid

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 & use of Hydroponics fodder as Livestock feed	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 19

Crop: Poultry (Low input poultry breed kadaknath in backyard rearing system)

Thrust Area: Poultry farming

Thematic Area: LPM

Season: Rabi, 2022(III)

Farming Situation: Backyard poultry

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
19	Poultry	10	Demonstration on low input poultry breed kadaknath in backyard rearing system	Body weight gain at 21days, 1, 2, 3, 4, 5, 6 months, age of sexual maturity, Age at first laying, Egg production/ annum	Brooded Kadaknath chicks											10

Extension and Training activities under FLD: Low input poultry breed kadaknath in backyard rearing system

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	Income generation through backyard poultry farming	1	RY	2	On									20

Frontline demonstration to be conducted* 20

Crop: Goat (Rotation of bucks combined with periodic deworming vaccination and supplementation for herd improvement)

Thrust Area: Goat farming

Thematic Area: LPM

Season: Rabi, 2022(II)

Farming Situation: Backyard poultry

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
20	Goat	10	Demonstration on Rotation of bucks combined with periodic deworming, vaccination and supplementation for herd improvement	Kid mortality, Body wt gain, kid body wt & survivability	Deworming and supplement, Buck exchange											10

Extension and Training activities under FLD: Rotation of bucks combined with periodic deworming vaccination and supplementation for herd improvement

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	Care and management of breeding bucks	1	F/FW	1	Off									25

Frontline demonstration to be conducted* 21

Crop: Greengram (Demonstration of effectiveness of short technology videos on technology adoption)

Thrust Area: Marketing

Thematic Area: Marketing

Season: Rabi,2022-23(I)

Farming Situation: Rainfed medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
21	Greengram	30	Short videos will be prepared on different segments of mushroom production (starting from mushroom spawn selection, bed preparation up to packaging and marketing) and disseminated through WhatsApp at the appropriate time to a selected group of producers	Informative and timeliness of the information/technology/skill delivered -Ease in understanding the method and process depicted in the video -Retention, retrieval & re-use of the content (Observation to be taken on a three-point scale and measured in a weighted matrix)												10

Extension and Training activities under FLD: Advancement of planting time for better market price of Tomato

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training/ Field Day	Training, Field day	2	F/FW	2	Off									75

Frontline demonstration to be conducted - 22

Crop- Vegetable (Dry land power weeder in vegetables (Tomato/Brinjal)

Thrust Area: Farm mechanisation

Thematic Area:

Season: Rabi 2022-23 (Year-II)

Farming Situation: Irrigated medium land

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	
22	Dry land power weeder in Rabi vegetables (Toamto/Brinjal)	10nos	Capacity: 0.08-0.1 ha/h (12.5 h/ha) Cost of operation: Rs 2000-2500/- per ha Weeding, hoeing and ridging are possible for the row spacing of 60 cm- 90 cm.	Field capacity (ha/h), Weeding Index (%) , Cost of Operation (Rs./ha), Labour requirement (man-days/ha) Cost saving (%), Yield (q/ha), B:C Ratio													10

Extension and Training activities under FLD: Dry land power weeder in vegetables (Tomato/Brinjal

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training , Field day	2	Farmer	2days	Off								75

Frontline demonstration to be conducted - 23

Crop- Ragi (OUAT ragi thresher cum pearler)

Thrust Area: Farm mechanisation

Thematic Area:

Season: Kharif , 2022(Year-II)

Farming Situation: Rainfed upland

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Dem o	Loc al	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
23	OUAT Ragi Thresher-cum-Pearler	10 nos	Operated by 1.0hp electric motor Output :: 80-85 kg/h Threshing efficiency :: 93 - 95 %, Cleaning Efficiency :: 93 - 95 % Better quality grain (free of impurities)	Capacity (kg/h), Threshing efficiency (%), Cleaning efficiency (%), Cost of operation (Rs./q)													10

Extension and Training activities under FLD: OUAT Ragi thresher cum pearler

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants							
						SC		ST		Other		Total	
Field Day	Training Field day	2	Farmer	2days	Off								75

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

Name of the Crop / Enterprise	Variety / Type	Period From January,2022 to December, 2022)	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pooja	Kharif-2022	5.0	Seed	200			
Ragi	Arjuna	Kharif-2022	1.0	seed	5			
Pigeonpea	BRG-5	Kharif, 2022	1.0	Seed	3			
Sunhemp	Local	Kharif-2022	0.4	seed	2			
Black gram	Sashi	Rabi -2022	1.0	Seed	3			
Tomato seedling	Arka Rakshak	Rabi -2022		PM	8000 nos			
Papaya seedling	Red Lady	Kharif-2022		PM	1000 nos			
Guava	L-49, Bihi	Kharif-2022		PM	100 nos			
Lime gootee	Kagzi	Kharif-2022		PM	500 nos			
Drumstick	PKM-2	Kharif-2022		PM	500 nos			
Mango graft	Amarapalli	Kharif-2022		PM	500 nos			
Brinjal seedling	Swarna Symali,	Rabi -2022		PM	12000 nos			
Onion	Agrifound Dark Red	Rabi -2022		PM	80000 nos			
Mushroom spawn	Oyster & paddy straw	Round the year		Others	3000 no.			
Mushroom	Oyster & paddy straw	Round the year		Others	100 kg			
vermicompost		Round the year		others	3000kg			
vermin	E.foetida	Round the year		others	16 kg			
Poultry chick	Kadaknath, Synthetic colour bird	Round the year		others	1500 nos			
Fingerling	IMC	Round the year		others	7,000 nos			
Honey	Apis cerena indica	Round the year		others	12 kg.			

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.)

3. 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	24										1233
2.	KisanMela	4										400
3.	KisanGhoshi											
4.	Exhibition	2										200
5.	Film Show	15										350
6.	Method Demonstrations	15										260
7.	Farmers Seminar	2										60
8.	Workshop	4										90
9.	Group meetings	25										250
10.	Lectures delivered as resource persons	35										750
11.	Advisory Services	120										120
12.	Scientific visit to farmers field	240										2200
13.	Farmers visit to KVK	1250										1250
14.	Diagnostic visits	35										165
15.	Exposure visits	3										100

16.	Ex-trainees Sammelan											
17.	Soil health Camp											
18.	Animal Health Camp	2										100
19.	Agri mobile clinic											
20.	Soil test campaigns	3										120
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings	6										80
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	9										450
25.	Sankalp Se Siddhi											
26.	Swatchta Hi Sewa	7										125
27.	Mahila Kisan Diwas	1										30
28.	Any Other (Specify)											
	Total	1802	0	0	0	0	0	0	0	0	0	8333

2. Revolving Fund (in Rs.)

Opening balance of 2021-2022 (As on 01.04.2021)	Amount proposed to be invested during 2022- 2023	Expected Return
2299	740000	820000

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* 1

- i. **Season: Kharif** (Year-1)
- ii. **Title of the OFT: Assessment of different Maize hybrids for Rainfed Medium land**
- iii. **Thematic Area:** Varietal evaluation
- iv. **Problem diagnosed:** Low yield of maize due to Lack of availability for suitable high yielding varieties
- v. **Important Cause:** Existing low yielding old varieties
- vi. **Production system:** Rice- Maize
- vii. **Micro farming system:** Rainfed Medium land
- viii. **Technology for Testing:** Cultivation of HYV of Maize
- ix. **Existing Practice:** Cultivation of MAHYCO-377 variety
- x. **Hypothesis:** HYV of Maize will increase the ground nut yield and net return
- xi. **Objective(s):**
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** Cultivation of Maize variety MAHYCO-377
 - b. **Technology option-I (TO-I):** Cultivation of Maize variety Kalinga Raj
 - c. **Technology option-II (TO-II):** Cultivation of Maize variety VNR-4226
- xiii. **Critical Inputs:** Seeds of Kalinga Raj and VNR-4226
- xiv. **Unit Size:** 1.0 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 2500
- xvii. **Total Cost:** 17500
- xviii. **Monitoring Indicator:** Number of cob/plant, number of seeds/cob, test weight, seed yield (q/ha), stover yield (q/ha)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Maize 2019

ON-FARM TRIALS TO BE CONDUCTED* 2

- i. **Season:** Rabi (Year – II)
- ii. **Title of the OFT:** Assessment of nutrient management in Greengram
- iii. **Thematic Area:** Nutrient management
- iv. **Problem diagnosed:** Irrational use of fertilizer in Greengram
- v. **Important Cause:** No foliar application
- vi. **Production system:** Rice- greengram
- vii. **Micro farming system:** Rainfed medium land
- viii. **Technology for Testing:** STBFR with foliar application of water soluble fertilisers
- ix. **Existing Practice:** Application of blanket dose of fertilizer as basal, no foliar application
- x. **Hypothesis:** STBFR with Water soluble fertilizers will increase yield of Greengram
- xi. **Objective(s):** To increase the productivity of Greengram
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** Application of RDF(20-40-40) kg/ha, No foliar application.
 - b. **Technology option-I :** Application of 75% STBFR + Foliar application of WSF DAP @ 2 % at pre flowering and pod filling.
 - c. **Technology option-II -** Application of 75% STBFR + Foliar application of WSF 18-18-18 at pre flowering and pod filling.
- xiii. **Critical Inputs:** Water soluble fertilizers (DAP and 18-18-18)
- xiv. **Unit Size:** 1.0 ha
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** 2000
- xvii. **Total Cost:** 14000
- xviii. **Monitoring Indicator:** Pods/yield, seeds/pod
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Mullarp, 2014 and 2017

ON-FARM TRIALS TO BE CONDUCTED* - 3

- i. **Season:** *Kharif*, 2022(Year-II)
- ii. **Title of the OFT:** **Assessment of IDM practices against false smut disease in rice**
- iii. **Thematic Area:** Integrated Disease Management
- iv. **Problem diagnosed:** Discoloration of grain & low yield
- v. **Production system:** Rice-Greengram
- vi. **Micro farming system:** Rainfed medium land
- vii. **Technology for Testing:** IDM practices against false smut disease in rice
- viii. **Existing practice:** Spraying of carbandazim @ 1kg/ha
- ix. **Objective(s):** To develop IDM module against false smut disease in rice
- x. **Treatments:**
 - a. **Farmers Practice (FP):** Spraying of carbandazim @ 1kg/ha
 - b. **Technology option-I (TO-I):** Seed treatment with Carbandazim@2g/kg seed and spray – Copper hydroxide at booting & 2nd spray after 10 days interval @ 1kg/ha.
 - c. **Technology option-II (TO-II):** Seed treatment Carbandazim@2g/kg seed and spray – Azoxystrobin + Tebuconazole (1.5 ml/lt) at booting & 2nd spray after 10 days interval @ 1lt./ha.
- xi. **Critical Input:** Carbandazim, Copper hydroxide, Azoxystrobin + Tebuconazole
- xii. **Unit size:** 0.2ha
- xiii. **No. of Replications:** 07
- xiv. **Unit cost:** 1200
- xv. **Total Cost:** 8400
- xvi. **Monitoring Indicator:** No. of infected grains/panicle, No. of panicles infected/m²,
Cost of intervention, additional income over additional investment, Yield (q/ha), B:C ratio,
- xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NCIPM Annual Report, 2019 & NRRI Annual Report, 2018-19

ON-FARM TRIALS TO BE CONDUCTED* - 4

- i. **Season:** *Kharif*, 2022(Year-I)
- ii. **Title of the OFT:** **Assessment of IPM practices against pod borer complex in pigeonpea**
- iii. **Thematic Area:** Integrated Pest Management
- iv. **Problem diagnosed:** Defoliation, damaged pod & low yield
- v. **Production system:** Pigeonpea-fallow
- vi. **Micro farming system:** Rainfed up land
- vii. **Technology for Testing:** IPM practices against pod borer complex in pigeonpea
- viii. **Existing practice:** Spraying of triazophos @ 1lt./ha
- ix. **Objective(s):** To develop IPM module against pod borer complex in pigeonpea
- x. **Treatments:**
 - a. **Farmers Practice (FP):** Spraying of triazophos @ 1lt./ha
 - b. **Technology option-I (TO-I):** Installation of pheromone traps @ 10/ha, spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering followed by flubendiamide 48SC @ 200ml/ha (2ml/5 litre water) and Bt @ 1kg/ha (2g/litre) at 15 days intervals
 - c. **Technology option-II (TO-II):** Installation of pheromone traps @ 10/ha spraying of Azadiractin 0.15% @ 1.5 l/ha at 50% flowering stage followed by profenophos @ 1lt./ha at 15 days interval & spraying of emamectin benzoate @200 g/ha at ETL level (5 % damaged pod).
- xi. **Critical Input:** Flubendiamide, pheromone traps, Azadiractin, profenophos, emamectin benzoate
- xii. **Unit size:** 0.2ha
- xiii. **No. of Replications:** 07
- xiv. **Unit cost:** 1400
- xv. **Total Cost:** 9800
- xvi. **Monitoring Indicator:** No. of larvae/plant, damaged pod % , Yield (q/ha), B:C ratio,
- xvii. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SLREC proceeding , 2018, NCIPM Annual Report, 2017-18

ON-FARM TRIALS TO BE CONDUCTED 5

- i. **Season:** *Kharif*, 2022 (Year-I)
- ii. **Title of the OFT:** Assessment of chilli hybrids for resistance to multiple disease
- iii. **Thematic Area:** varietal evaluation
- iv. **Problem diagnosed:** Low yield due to multiple disease infection.
- v. **Production system:** Vegetable -vegetable
- vi. **Micro farming system:** Irrigated up land
- vii. **Technology for Testing:** Assessment of chilli varieties
- viii. **Existing Practice:** cultivation of hybrid Royal Bullet
- ix. **Objective(s):** To evaluate chilli hybrids for higher yield
To evaluate chilli hybrids for resistance to multiple diseases
- x. **Treatments:**
 - a. **Farmers Practice (FP):** Royal Bullet
 - b. **Technology option-I (TO-I):** Arka Meghna
 - c. **Technology option-II (TO-II):** Arka Harita
- xi. **Unit Size:** 0.1 ha
- xii. **No of Replications:** 7
- xiii. **Unit Cost:** 2500
- xiv. **Total Cost:** 17500
- xv. **Monitoring Indicator:** No. of fruits /plant, Yield of Fruits/plant, % of disease infection
- xvi. **Source of Technology :** IIHR Bangalore, 2010 and 2014

ON-FARM TRIALS TO BE CONDUCTED 6

- i. **Season:** *Rabi* 2022 (Year-II)
- ii. **Title of the OFT:** Assessment of cowpea varieties for tolerance to mosaic virus
- iii. **Thematic Area:** varietal evaluation
- iv. **Problem diagnosed:** Low yield and incidence of cowpea mosaic virus
- v. **Production system:** Rice - vegetable
- vi. **Micro farming system:** Irrigated upland
- vii. **Technology for Testing:** Cowpea varieties for tolerance to mosaic virus
- viii. **Existing Practice:** Cultivation of local variety (Sautuni)
- ix. **Objective(s):** To evaluate variety for tolerance to mosaic virus.
To evaluate varieties of cowpea for higher yield.
- x. **Treatments:**
 - a. **Farmers Practice (FP):** Cultivation of local variety (Sautuni)
 - b. **Technology option-I (TO-I):** Arka Mangala
 - c. **Technology option-II (TO-II):** Swarna Harit
- xi. **Critical Inputs:** seeds
- xii. **Unit Size:** 0.1 ha
- xiii. **No of Replications:** 7
- xiv. **Unit Cost:** 2000
- xv. **Total Cost:** 14000
- xvi. **Monitoring Indicator:** No. of pods/plant, YMV incidence, Pod length
- xvii. **Source of Technology :** IIHR, Bangalore, 2019 and ICAR-RCER 2008

ON-FARM TRIALS TO BE CONDUCTED* 7

- i. **Season: Kharif, 2022 (Year –II)**
- ii. **Title of the OFT:** Assessment of humidity management in paddy straw mushroom cultivation in summer season.
- iii. **Thematic Area:** Mushroom cultivation
- iv. **Problem diagnosed:** Low yield of paddy straw mushroom due to low humidity and environmental rise in temperature. .
- v. **Important cause:**
- vi. **Production system:** Homestead condition
- vii. **Micro farming system:** Rice-vegetable
- viii. **Technology for Testing:** Moisture management in paddy straw cultivation during summer
- ix. **Existing Practice:** Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers)
- x. **Hypothesis:**
- xi. **Objective(s):** To manage moisture and humidity for Paddy straw mushroom cultivation during summer season.
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers)
 - b. **Technology option-I (TO-I):** Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) with covering the floor with 2inch sand in moist condition and spreading wet gunny bag in wall and windows.
 - c. **Technology option-II (TO-II):** Cultivation of paddy straw mushroom with bundle paddy straw substrate (3 layers) and covering the floor with 2inch sand in moist condition with installation of fogger system.
- xiii. **Critical Inputs:** Thermohygrometer & Gunny bags
- xiv. **Unit Size:** 200 sq.mt.
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** Rs.1000
- xvii. **Total Cost:**Rs.7000
- xviii. **Monitoring Indicator:** Cost of input (Rs),Additional income (Rs) ,BC ratio, Pin head appearance (days), Days of first flush, average fruit body wt(gm), Biological efficiency(%), yield
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** AICRP on Mushroom CTMRT, OUAT,2014

ON-FARM TRIALS TO BE CONDUCTED 8

- i. **Season:** Rabi,2022-23 (**Year –II**)
- ii. **Title of the OFT:** Assessment of Value addition of finger millet for enhancing income of SHG
- iii. **Thematic Area:** Value addition
- iv. **Problem diagnosed:** Limited value addition and distress selling.
- v. **Important cause-**
- vi. **Production system:** Homestead
- vii. **Micro farming system:** Round the year / up to six month
- viii. **Technology for Testing:** Value addition of finger millet by preparing different product
- ix,. **Existing Practice** Limited value addition
- x. **Hypothesis:**
- xi. **Objective(s):** Preparation of value added products from finger millet for enhancing income of SHG.
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** Value addition of Finger millet by preparing only powder
 - b. **Technology option-I (TO-I):** Value addition of Finger millet by preparing Sev
 - c. **Technology option-II (TO-II):** Value addition of Finger millet by preparing Murukku
- xiii. **Critical Inputs:** Ragi powder, Bengal gram powder, Oil, packaging material
- xiv. **Unit Size:**10 kg
- xv. **No of Replications:** 7
- xvi. **Unit Cost:** Rs.1200
- xvii. **Total Cost:** Rs.8400
- xviii. **Monitoring Indicator:** Sensory evaluation, Keeping quality
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** CFTRI,CSIR,
Mysore 2014

ON-FARM TRIALS TO BE CONDUCTED* 9

- i. **Season:** Kharif, 2022
- ii. **Title of the OFT:** Assessment of different fat sources (Oil cake and bypass fat feeding) to increase milk yield and milk fat % in case of dairy cows
- iii. **Thematic Area:** LPM, Dairy management
- iv. **Problem diagnosed:** Low milk quality fat%, SNF%, milk production (persistence of milk production) decreased, Decreased body condition of cows post partum
- v. **Important Cause:** reduced quantity and quality of milk
- vi. **Production system:** Semi-intensive
- vii. **Micro farming system:** Stall fed
- viii. **Technology for Testing:** Effect of bypass fat on quantity and quality of milk production
- ix. **Existing Practice:** No bypass fat feeding, natural edible oil feeding
- x. **Hypothesis:** Bypass fat will increase milk fat %
- xi. **Objective(s):** Increase the quality & quantity milk.
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** No supplement feeding + natural edible oil feeding
 - b. **Technology option-I (TO-I):** Feeding of 1.5 kg of oil cake/10 liter milk production with 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk.
 - c. **Technology option-II (TO-II):** Bypass fat feeding @ 15-20gm/kg of milk production + 60 gm Mineral mixture/day/cow during first 3 months of lactation to compensate for negative energy balance and high mineral drain via milk.
- xiii. **Critical Inputs:** Oil cake and bypass fat
- xiv. **Unit Size:** 10
- xv. **No of Replications:** 10
- xvi. **Unit Cost:** 2000
- xvii. **Total Cost:** 20000
- xviii. **Monitoring Indicator:** Average Milk price (in Rs) and Milk yield in lt during first period of bypass fat feeding, Milk price
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** SVVU, Tirupati 2015-16, NDDB, 2013-14

ON-FARM TRIALS TO BE CONDUCTED* 10

- i. **Season:** Rabi, 2022-23
- ii. **Title of the OFT:** Assessment of feeding pre-treated straws for milk production in dairy animals
- iii. **Thematic Area:** LPM, Dairy management
- iv. **Problem diagnosed:** Improper nutrition of dairy animals, low production
- v. **Important Cause:** improper nutrition
- vi. **Production system:** semi-intensive
- vii. **Micro farming system:** Semi-intensive
- viii. **Technology for Testing:** Different pre-treated straws
- ix. **Existing Practice:** Feeding of straw
- x. **Hypothesis:** pre treatment of straw improves nutrient availability, reduced oxalate
- xi. **Objective(s):** to Improve nutrient availability and production
- xii. **Treatments:**
 - a. **Farmers Practice (FP):** Feeding of un-treated straw
 - b. **Technology option-I (TO-I):** Soaking chaffed straw in water for 30mins and drain residual water, washing with fresh water and fed @6-8kg/day
 - c. **Technology option-I (TO-II):** Soaking of chaffed straw in 1% alkaline water (NaHCO₃), draining residual water, washing with fresh water and fed @6-8kg/day
- xiii. **Critical Inputs:** Chaffing instrument for straw
- xiv. **Unit Size:** 10
- xv. **No of Replications:** 10
- xvi. **Unit Cost:** 2000
- xvii. **Total Cost:** 20000
- xviii. **Monitoring Indicator:** Cost of intervention, Additional income, Milk production, BC ratio
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NIANP, 2012, ICAR-IARI, 2017-17

ON-FARM TRIALS TO BE CONDUCTED* - 11

- i. **Season:** *Kharif*, 2022 (Year-I)
- ii. **Title of the OFT:** Assessment of the effectiveness of different extension methods to access information on rice production
- iii. **Thematic Area:** Technology dissemination
- iv. **Problem diagnosed:** Poor accessibility to accurate and timely information on technical knowledge/advisory in rice production
- vi. **Production system:** Rice-pulse
- vii. **Micro farming system:** Rainfed medium land
- viii. **Technology for Testing:**
 - a. **Technology option-I (TO-I):** FP + Short Video Lecture+ Focus Group discussion / Clarification session
 - b. **Technology option-II (TO-II):** FP + Using of "riceXpert" App.
- ix. **Existing Practice:** Farmers getting information from the peer group, input dealers, extension functionaries, mass media and, KMA
- xi. **Objective(s):** To evaluate effectiveness of different extension methods
- xii. **Treatments:**

Farmers Practice : Farmers getting information from the peer group, input dealers, extension functionaries, mass media and, KMA

Technology option-I (TO-I): FP + Short Video Lecture+ Focus Group discussion / Clarification session

c. **Technology option-II (TO-II):** FP + Using of "riceXpert" App.
- xiii. **Critical Inputs:**
- xiv. **Unit Size:** 0.2 ha
- xv. **No of Replications:** 30
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Timely Availability/delivery of technology, suitability of technology,
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):** NRRI, Cuttack.2017

ON-FARM TRIALS TO BE CONDUCTED* - 12

- i. **Season:** *Kharif*, 2022 (Year-I)
- ii. **Title of the OFT:** Assessment of the performance of FPOs with varied levels of task and commodity to enhance profitability.
- iii. **Thematic Area:** Marketing
- iv. **Problem diagnosed:** Unorganized farmers fetching low return from the farm produce
- vi. **Production system:** Rice-Pulse-Vegetable
- vii. **Micro farming system:** Vegetable-vegetable-vegetable (Irrigated) Rice-pulses (Rainfed)
- viii. **Technology for Testing:** Performance of FPOs with varied levels of task and commodity to enhance profitability
- ix. **Existing Practice:** Farmers marketing their produce individually through intermediaries
- xi. **Objective(s):** To evaluate performance of FPOs with varied levels of task and commodity to enhance profitability
- xii. **Treatments:**
 - a. **Farmers Practice :** Farmers marketing their produce individually through intermediaries
 - b. **Technology option-I (TO-1):** FPO dealing with a single commodity with a single task i.e., Vegetable/ Pulse/ or any other commodity –Marketing
 - c. **Technology option-II (TO-2):** FPO dealing with single commodity with multi-task i.e., Vegetable- sorting, grading, packing, branding and marketing
 - d. **Technology option-III (TO-3):** FPO dealing with multi-commodity with single task i.e., Pulses, Vegetable, Enterprises-Marketing
 - e. **Technology option-IV (TO-4):** FPO dealing with multi-commodity with multi-task i.e., Pulses, Crops Vegetable, Enterprises- sorting, grading, packing, value addition, branding, leveling and marketing
- xiii. **Critical Inputs:**
- xiv. **Unit Size:** 20 farmers/ unit
- xv. **No of Replications:** 03
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Farmers interest to become a member (Score out of 10), Easy to produce (Score out of 10), Easy to sell (Score out of 10)
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

ON-FARM TRIALS TO BE CONDUCTED* - 13

- i. **Season:** *Kharif*, 2022 (Year-I)
- ii. **Title of the OFT:** Assessment of different pulse production models
- iii. **Thematic Area:** Marketing
- iv. **Problem diagnosed:** Poor accessibility to HYV & other input & lack of technical Knowledge/advisory in Pigeonpea production
- vi. **Production system:** Pulse - fallow
- vii. **Micro farming system:** Rainfed, upland
- viii. **Technology for Testing:** Different pulse production models
- ix. **Existing Practice:** Farming by a group of farmers in their uplands in a specific village
- xi. **Objective(s):** Evaluation of different pulse production models
- xii. **Treatments:**
 - a. **Farmers Practice :** Farming by a group of farmers in their uplands in a specific village
 - b. **Technology option-I (TO-1):** Approach under CFLD model of Krishi Vigyan Kendra
 - c. **Technology option-II (TO-2):** Model of pigeonpea demonstration under National Food Security Mission of Agriculture dept.
- xiii. **Critical Inputs:**
- xiv. **Unit Size:** 20 farmers/ unit
- xv. **No of Replications:** 03 nos
- xvi. **Unit Cost:**
- xvii. **Total Cost:**
- xviii. **Monitoring Indicator:** Coverage in acreage year-wise (for the last three years) No of the farmers adopted Success of buyback procedures
- xix. **Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):**

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	NICRA	12,00,000
2	ARYA	14,00,000
3	DAMU	13,00,000

- 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
19.01.2022	08.03.2022

- 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			
Soil Samples	450										35	2250
Water Samples												
Other (Please specify)												
Total	450										35	2250

- 14.** Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2021	Expected fund requirement (Rs.) during 2022-23
KVK		15,00,000
Total		15,00,000

* Any additional requirement may be suitably justified.

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

Sd/-
Senior Scientist & Head
KVK, Ganjam-I