

ACTION PLAN

(January 2022 to December 2022)



कृषि विज्ञान केन्द्र
कृषि विज्ञान केन्द्र
KRISHI VIGYAN KENDRA
NAYAGARH



ODISHA UNIVERSITY OF AGRICULTURE & TECHNOLOGY

At: Panipoila, P.O.: Balugaon, Dist.: Nayagarh, PIN :752070, Odisha.

REVISED PROFORMA FOR ACTION PLAN 2022

1. Name of the KVK: NAYAGARH,OUAT,ODISHA

Address	Telephone	E mail
Krishi Vigyan Kendra At-Panipoila Po-Balugaon Dist Nayagarh Pin-752070	-	kvknayagarh.ouat@gmail.com

2.Name of host organization :

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture and Technology, Bhubaneswar	0674- 2397818/2397868/2397669		

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

(a) Farmers and farmwomen

Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IDM	Integrated Disease management of Yellow Mosaic Virus (YMV) in greengram	1	1	OFF	Nov'22	1	0	5	7	9	3	15	10	25
IPM	Integrated Pest Management of Fall Army Worm in Sweet corn	1	1	OFF	Dec'22	2	0	3	0	15	5	20	5	25
Soil fertility management	Brown manuring in medium land paddy	1	1	OFF	Jun' 22	3	2	0	0	16	4	19	6	25
Micro nutrient deficiency in crops	Integrated nutrient management in millets	1	1	OFF	July' 22	2	0	3	0	20	0	22	3	25
Production and use of organic inputs	Utilization of Kharif upland through millet and vegetable cultivation	1	1	OFF	Aug' 22	2	0	3	0	20	0	25	0	25
Integrated Nutrient Management	Integrated Nutrient Management for Sugarcane Production	1	1	OFF	Sept' 22	2	0	3	0	20	0	25	0	25
Integrated Nutrient Management	Integrated Nutrient Management in Cole Crops	1	1	OFF	Oct' 22	2	2	0	0	18	3	20	5	25

Soil fertility management	Use of nano zinc in cereal crops	1	1	OFF	Nov' 22	4	1	3	3	12	2	19	6	25
Production and use of organic inputs	Fertilizer management in sweet corn Cultivation	1	1	OFF	Nov' 22	2	2	0	0	18	3	20	5	25
Production and use of organic inputs	Role of Bio-fertilizer in Brinjal cultivation	1	1	OFF	Dec'22	2	2	0	0	18	3	20	5	25
Soil and water conservation	Water conservation through mulching in vegetable crop	1	1	OFF	Dec'22	2	2	0	0	19	2	20	5	25
Value Addition	Preparation of quality sugarcane Jaggery.	1	1	OFF	Mar'22	1	0	5	7	9	3	15	10	25
Farm Mechanization	Use of tractor drawn seed cum fertilizer drill for DSR	1	1	OFF	May'22	2	0	3	0	20	0	25	0	25
Farm Mechanization	Use of Ridger for sugarcane cultivation	1	1	OFF	Mar'22	3	0	4	0	18	0	25	0	25
Farm Mechanization	Mechanized threshing of pulses	1	1	OFF	Oct'22	0	2	0	3	0	20	0	25	25
Farm Mechanization	Use of combine harvester for paddy harvesting	1	1	OFF	Sep'22	2	2	5	5	8	3	15	10	25
Planting material production	Production of planting material through portray	1	1	OFF	April'22	5	1	1	3	14	1	20	5	25
Farm Mechanization	Operation & Maintenance of harvesting implements for paddy cultivation	1	1	OFF	Sep'22	0	2	0	3	0	20	0	25	25
Income generation	Paddy straw mushroom Cultivation using spawn of different age.	1	1	OFF	Aug'22	0	2	0	4	0	19	0	25	25
Income generation	Design and development of low/minimum cost diet.	1	1	OFF	Dec' 22	0	7	0	5	0	13	0	25	25
Nutrition management	Household food security by kitchen gardening and nutrition gardening	1	1	OFF	June'22	0	2	0	3	0	20	0	25	25
Income Generation	Scientific technique of Finger millet cultivation	1	1	OFF	July'22	0	2	0	2	0	21	0	25	25

Bee keeping	Scientific Beekeeping	1	1	OFF	Jun'22	0	1	0	1	0	23	0	25	25
Income Generation	Rearing of poultry bird in backyard	1	1	OFF	Nov'22	0	5	0	7	0	13	0	25	25
Income Generation	Scientific technique of marigold cultivation	1	1	OFF	Oct'22	0	3	0	2	0	20	0	25	25
Organic manure production	Scientific methods of vermicomposting from spent mushroom substrate	1	1	OFF	Dec'22	0	2	0	5	0	18	0	25	25
Fish health management	Bio-floc fish farming	1	1	OFF	Jan'22	2	1	3	0	14	5	19	6	25
Varietal Evaluation	Amur carp in polyculture system	1	1	OFF	Feb'22	2	1	3	0	14	5	19	6	25
Integrated fish farming	Integrated fish farming	1	1	OFF	Feb'22	1	0	4	2	14	4	19	6	25
Fish health management	Fish diseases and its management	1	1	OFF	Jan'22	1	0	4	2	14	4	19	6	25
Integrated fish farming	Pond based farming system	1	1	OFF	July'22	1	0	4	2	14	4	19	6	25
Fish health management	Control of Argulosis	1	1	OFF	Nov'22	1	0	4	2	14	4	19	6	25
Market-led extension	Paradigm shift from production led extension to market-led extension	2	2	OFF	July'22 Aug'22	6	4	3	2	30	5	39	11	50
WTO and IPR issues	Promotion of organic farming for sustainable agriculture	1	1	OFF	Jun'22	5	0	0	0	20	0	25	0	25
Market-led extension	Market led agricultural extension: concept, prospects and challenges	1	1	OFF	Sep'22	0	0	0	0	25	0	25	0	25
Mobilization of social capital	Sensitizing rural women for carrying out farm operation in scientific way	1	1	OFF	Sep'22	0	2	0	0	0	23	0	25	25
Market-led extension	Stake of vegetable crops in improving farmers access to market	1	1	ON	Apr'22	2	0	1	0	22	0	25	0	25
CSA	Climate resilient pulse production	1	1	OFF	Dec' 22	2	0	1	0	22	0	25	0	25
ICT	Various roles for mobiles in Agriculture	2	2	OFF	July'22 Oct'22	6	0	2	0	42	0	50	0	50

(b) Rural youths

Thematic area	Title of Training	No	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IPDM	Newer vistas of integrated pest management in protected cultivation	1	2	ON	Nov'22	10	1	3	1	5	0	18	2	20
Soil fertility management	Preparation of gibamruta as organic fertilizer.	1	2	ON	Sep'22	2	0	0	0	14	6	14	6	20
Soil fertility management	Preparation vermiwash as liquid fertilizer	1	2	ON	Oct'22	2	0	0	0	17	3	17	3	20
INM	Integrated nutrient management in cereal crops	1	5	ON	Sep'22	3	0	1	0	14	2	18	2	20
Value addition	Value addition of Finger millet	1	2	ON	May'22	10	1	3	1	5	0	18	2	20
Entrepreneurship development	Different management techniques for Soil and water conservation	1	2	ON	Jun' 22	1	1	1	1	15	1	17	3	20
Farm Mechanization	Entrepreneurship development through farm mechanization	1	5	ON	Aug'22	2	0	1	0	17	0	20	0	20
Value addition	Value addition of fruits and vegetables	1	2	ON	Oct'22	1	2	1	3	4	9	6	14	20
Value addition	Value addition of mushroom	1	2	ON	Feb'22	1	2	0	0	7	10	8	12	20
Income generation	Scientific method of Mushroom Spawn Production	1	5	ON	Nov'22	3	2	5	3	2	5	10	10	20
Carp fry and fingerling rearing	Fish seed production	1	2	ON	Mar'22	2	0	1	0	17	0	20	0	20
Market-led extension	Production of quality marketable produce through adoption of integrated farming systems	1	2	ON	Oct'22	3	0	2	0	15	0	20	0	20
Capacity building	EDP training Agri-Horti system	1	5	ON	Nov'22	3	0	1	0	16	0	20	0	20

(C) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Duration	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
IPDM	Bio-rational Pest management in Agriculture	1	2	OFF	Dec'22	3	0	2	0	12	3	17	3	20
SFM	Micronutrient Management in cereal crops	1	2	ON	July'22	3	0	1	0	14	2	15	5	20
Farm Mechanization	Use and Maintenance of Tractor	1	2	OFF	Mar'22	7	0	3	0	10	0	20	0	20
Nutritional security	Enhancement of ragi to combat malnutrition	1	2	OFF	Nov'22	0	2	0	1	0	17	0	20	20
Production and Management	Sustainable aquaculture	1	2	OFF	Mar' 22	2	1	1	1	12	3	15	5	20
ICT	Management of Information System	1	2	OFF	Mar' 22	0	3	0	0	5	12	5	15	20

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			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														
TOTAL														
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management														
Water management														
Enterprise development														
Skill development														
Yield increment														
Prod. of low vol & high value crops														
Off-season vegetables														
Nursery raising														

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Exotic vegetables like Broccoli														
Export potential vegetables														
Grading and standardization														
Protective cultivation (Green Houses, Shade Net etc.)														
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														
TOTAL														
c) Ornamental Plants														
Nursery Management														
Management of potted plants														
Export potential of ornamentplants														
Propagation techniques of OrnPlants														
TOTAL														
d) Plantation crops														
Production and Manag. technology														
Processing and value addition														
TOTAL														
e) Tuber crops														
Production and Manag. technology														
Processing and value addition														
TOTAL														
f) Spices														
Production and Managtechnology														
Processing and value addition														
TOTAL														
g) Medicinal and Aromatic Plants														
Nursery management														
Production and management technology														
Post harvest techno&value additi														
TOTAL														
III. Soil Health and Fertility Management														
Soil fertility management	2	7	3	10	3	3	6	30	4	34	40	10	50	
Soil and Water Conservation	1	2	0	2	3	0	3	20	0	20	25	0	25	
Integrated Nutrient Management	2	7	3	10	3	3	6	30	4	34	40	10	50	
Production and use of organic input	3	6	4	10	3	0	3	56	6	62	65	10	75	

Thematic Area	No. of Courses	No. of Participants									Grand Total			
		Other			SC			ST			M	F	T	
		M	F	T	M	F	T	M	F	T				
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0	0
0Micro nutrient deficiency in crops	1	2	0	2	3	0	3	20	0	20	25	0	25	
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	9	71	13	84	15	7	22	109	10	199	195	30	225	
IV. Livestock Production and Management														
Dairy Management														
Poultry Management														
Piggery Management														
Rabbit Management														
Disease Management														
Feed management														
Production of quality animal pro														
TOTAL														
V. Home Science/Women empowerment														
Household food security by kitchen gardening and nutrition gardening	1	0	2	2	0	3	3	0	20	20	0	25	25	
Design and development of low/minimum cost diet														
Designing and development for high nutrient efficiency diet														
Minimization of nutrient loss in processing														
Gender mainstreaming thr SHG														
Storage loss minimization techniques														
Enterprise development	1	0	1	1	0	1	1	0	23	23	0	25	25	
Value addition	1	0	2	2	0	5	5	0	18	18	0	25	25	
Income generation activities for empowerment of rural Women	5	0	19	19	0	20	20	0	86	86	0	125	125	
Location specific drudgery reduction technologies														
Rural Crafts														
Capacity building														
Women and child care														
TOTAL	8	0	24	24	0	29	29	0	147	147	0	200	200	
VI.Agril. Engineering														
Installation and maintenance of micro irrigation systems														
Use of Plastics in farming practices														
Production of small tools and implements														
Farm Mechanization	6	126	3	129	17	1	18	3	0	3	146	4	150	
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0	

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Small scale processing and value addition	1	0	23	23	0	1	1	0	1	1	0	25	25
Hi-Tech Horticulture	1	0	23	23	0	1	1	0	1	1	0	25	25
TOTAL	8	126	49	175	17	3	20	3	2	5	146	54	200
VII. Plant Protection													
Integrated Pest Management	1	9	3	12	2	0	2	3	0	3	15	10	25
Integrated Disease Management	1	15	5	20	2	0	2	3	0	3	20	5	25
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	2	24	8	32	4	0	4	6	0	6	35	15	50
VIII. Fisheries													
Carp breeding and hatchery management													
Varietal Evaluation	1	2	1	3	3	0	3	14	5	19	19	6	25
Integrated fish farming	2	4	2	6	6	0	6	28	10	38	38	12	50
Feed and feeding management	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish health management	3	6	4	10	3	0	3	56	6	62	65	10	75
Carp fry and fingerling rearing													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding, culture of ornamental fish													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Fish health management													
TOTAL	6	12	7	19	12	0	12	98	21	119	122	28	150
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 & wax													
Small tools and implements													
Production of livestock feed fodder													
Production of Fish feed													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
X. Capacity Building and Group Dynamics													
Market-led extension	4	96	0	96	4	0	4	0	0	0	100	0	100
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation Management of SHG	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	1	23	0	23	2	0	2	0	0	0	25	0	25
Climate Agriculture	1	23	0	23	2	0	2	0	0	0	25	0	25
WTO and IPR issues	1	23	0	23	2	0	2	0	0	0	25	0	25
ICT	1	14	4	18	1	0	1	4	2	6	19	6	25
TOTAL	8	179	4	183	11	0	11	4	2	6	194	6	200
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
GRAND TOTAL	41	412	105	517	59	39	98	220	182	482	692	333	1025

Rural Youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Bee-keeping	1	1	2	3	1	3	4	4	9	13	6	14	20
Scientific method of Mushroom Spawn Production	1	3	2	5	2	3	5	5	5	10	10	10	20
Storage loss minimization Technology	1	1	2	3	0	0	0	7	10	17	8	12	20
Low cost and nutrient efficient diet designing	1	0	2	2	0	1	1	0	17	17	0	20	20
Safe Uses of Pesticide	1	18	0	18	2	0	2	0	0	0	20	0	20
Capacity Building	1	15	0	15	3	0	3	2	0	2	20	0	20
EDP training Agri-Horti	1	18	0	18	2	0	2	0	0	0	20	0	20
SFM	1	18	0	18	2	0	2	0	0	0	20	0	20
Production & mgt. technology	1	17	0	17	2	0	2	1	0	1	20	0	20
Seed production													
Production of organic inputs	1	3	0	3	1	0	1	14	2	16	18	2	20
Planting material production	1	17	0	17	2	0	2	1	0	1	20	0	20
Sericulture													
Protected cultivat. of vegetable crops													
Com. Fruit production													
Repair and maintenance of farm machinery & implements													
Farm Mechanization	1	2	0	2	1	0	1	17	0	17	20	0	20
Nursery Management of Horticulture crops													
Training & pruning of orchards													
Value addition													
Production of quality animal produc													
Dairying													
Sheep and goat rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
F water prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest & processing technolo.													
Carp fry and fingerling rearing	1	17	0	17	2	0	2	1	0	1	20	0	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Farm mechanization	1	5	0	5	10	1	11	3	1	4	18	2	20
Enterprise development	1	18	0	18	2	0	2	0	0	0	20	0	20
IPM	1	5	0	5	10	1	11	3	1	4	18	2	20
TOTAL	15	185	0	187	46	4	50	45	5	53	279	21	300

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops													
Integrated Pest Management	1	12	3	15	3	0	3	2	0	2	17	3	20
Integrated Nutrient management													
SFM	1	14	2	16	3	0	3	1	0	1	18	2	20
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application	1	5	12	17	0	3	3	0	0	0	5	15	20
Farm Mechanization													
Care and maintenance of farm machinery and implements	1	10	0	10	7	0	7	3	0	3	20	0	20
WTO and IPR issues													
Management in farm animals													
Livestock feed fodder production	1	0	17	17	0	2	2	0	1	1	0	20	20
Household food security													

Women and Child care													
Low cost and nutrient efficient diet designing													
Production & use of organic input													
Gender mainstreaming thr SHGs													
Crop intensification													
Production and Management													
TOTAL	5	41	34	75	13	5	18	6	1	8	60	40	100

Frontline demonstration to be conducted*

(i)

Crop	Sweet corn
Thrust Area	Pest Management
Thematic Area	Integrated Pest Management
Season	Rabi,2022
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
1	Sweet corn	0.4/10	Demonstration on Management of Fall Army Worm in Sweet corn Seed treatment with (cyantraniliprole 19.8+Thiamethoxam 19.8) FS @ 6 ml/kg of seed, Alternate Spraying of Spinetoram 11.7 SC @ 250 ml/ha and Bacillus thuringiensis @ 1kg/ha with 10-15 days interval.	Percent of Plant with whorl damage symptom, Yield(kg/ha),B: C ratio	(cyantraniliprole 19.8+Thiamethoxam 19.8) FS, Spinetoram 11.7 SC, Bacillus thuringiensis	600/unit	450/unit	3	0	0	1	5	1	8	2	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated Pest Management of Fall Army Worm in Sweet corn	1	F/FW	1	Off	2	2	5	5	8	3	15	10	25
Field Day	Field day on Management of Fall Army Worm in Sweet corn	1	F/FW, IS	1	Off	7	3	2	2	8	10	15	15	30

ii.

Crop	Greengram
Thrust Area	pest management
Thematic Area	Integrated Disease Management
Season	Rabi, 2022
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
1	Greengram	0.6/10	Demonstration on Integrated Disease Management of Yellow Mosaic Virus (YMV) in greengram Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @20/ha, Alternate Spraying of Diafenthiuron 50 WP @ 600 ml/ha and Neem oil @ 1lit/ha	Percent Plant infested with YMV disease, Yield(kg/ha), B:C ratio	Imidacloprid 600 FS, Diafenthiuron 50 WP, Yellow Sticky trap, Neem oil	450/unit	300/unit	1	1	1	0	7	0	9	1	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated disease Management of YMV in greengram	1	F/FW	1	Off	2	0	2	2	15	4	19	6	25
Field Day	Field day on IDM of Yellow Mosaic Virus (YMV) in greengram	1	F/FW, IS	1	Off	5	2	2	2	13	6	20	10	30

(iii)

Crop:	Brinjal
Thrust Area	Varietal Intervention
Thematic Area	Varietal Intervention
Season:	Kharif 2022
Farming Situation	Upland

Sl. No.	Crop & Enterprise	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 Var. Swarna shyamali	1ha	Demonstration of Bacterial wilt Resistant Brinjal var. Swarna shyamali, Demonstration of Bacterial wilt Resistant Brinjal var. Swarna shyamali Medium size fruit (250g), green color with white strips, yield-60-65t/ha	Wilt Infestation (no. of plant/m ²), yield (kg/m ²), Size of the fruit (gm/fruit)	Brinjal Seedling			2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on Bacterial wilt Resistant Brinjal var. Swarna shyamali	30	F/FW	1 day	Off	5	0	5	0	20	0	30	0	30

(iv)

Crop	Rice
Thrust Area	Production & Management
Thematic Area	Varietal Intervention
Season	Kharif, 2022
Farming Situation	Rainfed medium land

Sl. No.	Crop variety & / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	1 ha	Demonstration on Bio-fortified rice (var. CR 311) CR 311(Mukul) ,Medium duration (120-125 days), semi-dwarf plant type (110 cm) with long bold grain and good cooking and eating quality	Protein content (ppm), No of tillers/hill, No of grains/panicle, Yield (q/ha)	Seed	8000/ha	1200 /ha	1	0	0	0	9	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientel e	Duratio n	Venue On/Of f	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Bio-fortified rice (var. CR 311)	1	F/FW	1	Off	7	0	0	0	18	0	25	0	25
Field Day	Field day on Bio-fortified rice (var. CR 311)	1	F/FW	1	Off	10	0	5	0	15	0	30	0	30

(v)

Crop:	Brinjal
Thrust Area:	Production & Management (Rice-vegetable Based)
Thematic Area:	Production and use of organic input
Season:	Rabi,2022
Farming Situation:	Irrigated medium land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal	1ha	Demonstration on application of liquid biofertilizer in Brinjal Application of STB R(NPK) Azotobacter , Azospirillum and PSB @2ml /kg of seed each and 10ml/ litre of water each as foliar application,	No of fruits per plant, yield ad economics	Liquid biofertilizer consortia			2	1	1		7	2	7	3	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Role of Bio- fertilizer in Brinjal Cultivation	1	F/FW	1	OFF	3	0	0	0	18	4	21	4	25
Field day	Field day on Role of Bio- fertilizer in Brinjal cultivation	1	F/FW	1	OFF	0	0	0	0	36	4	40	0	40

(vi)

Crop	Cauliflower
Thrust Area	Soil fertility management
Thematic Area	Soil fertility management
Season	Kharif ,22
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	Sweet Potato	1ha	Demonstration on secondary Micro (Boron) nutrient for curd quality and higher yield in cauliflower. Application of STB R(NPK) + Boron @10 kg ha ⁻¹ as basal application and @0.1 %Boron as foliar spray at the curd initiation	Curd size and Curd, Weight	Micronutrients			2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Secondary Micro (Boron) nutrient for curd quality and higher yield in cauliflower	1	F/FW	1	OFF	5	0	2	0	18	0	25	0	25
Field day	Field day secondary Micro (Boron) nutrient for curd quality and higher yield in cauliflower.	1	F/FW	1	OFF	5	0	2	0	38	5	50	5	40

(vii)

Crop	Sugarcane
Thrust Area	Integrated Disease Management
Thematic Area	Varietal Performance
Season	Rabi 22-23
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	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sugarcane	1ha	Demonstration on Sugarcane Var Kalinga Sugarcane-346 Var Kalinga Sugarcane-346	yield and economics	Planting material s			3	0	0	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Integrated Nutrient Management for Sugarcane Production	1	F/FW	1	OFF	3	0	0	0	18	4	25	0	25
Field day	Field day on Integrated Nutrient Management for Sugarcane Production	1	F/FW	1	OFF	5	0	2	0	33	5	35	5	40

(viii)

Crop:	Finger Millet
Thrust Area:	Low yield due to Local variety
Thematic Area:	Income generation
Season:	Kharif 2022
Farming Situation:	Rainfed upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Finger Millet	1ha	Demonstration on Finger Millet for SHGs The variety having duration 126 days, yield potential 20.7q/ha, moderately resistance to leaf blast, neck blast, finger blast and brown seed.	No. of productive tillers per Plant, No. of finger per year ,Days of maturity	Seed	10000/ha	2000/ha		2	0	1	-	7	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Training on Finger Millet cultivation	1	F/FW	1	Off	-	3		1		21		25	25
Field Day	Field Day on Finger Millet Variety Arjun.	1	F/FW	1	Off	-	5	-	2	-	23	-	30	30
Farm field school	Finger Millet cultivation	1	F/FW	1	Off	4	4	1	3	5	13	10	20	30

(ix)

Crop:	Honey Bee
Thrust Area:	Poor availability of pure Honey round the year
Thematic Area:	Income generation
Season:	Kharif & Rabi , 2022
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	Honey Bee	10unit	Demonstration of Scientific Apiculture Cultivation by SHG. (Scientific management of <i>Apis Cerena Indica</i> (Honey extraction, colony division, swarming management, disease management)	Amount of honey extraction/ box	Apiary, Bee box with Colony	15000/unit	5000/unit		2	0	1	-	7	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/ Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Scientific Bee keeping	1	F/FW	1	Off	-	4		1		20		25	25
Field Day	Field Day on cultivation of Apiculture	1	F/FW	1	Off	-	4	-	3	-	23		30	30
Farm field school	Scientific Bee keeping	1	F/FW	1	Off	4	4	1	3	5	13	10	20	30

(x)

Crop:	Vegetables & fruits
Thrust Area:	Poor availability of fresh vegetables for the family members.
Thematic Area:	Nutritional management
Season:	Kharif 2022 & Rabi 2022-2023
Farming Situation:	Homestead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Vegetables & fruits	10 unit	Demonstration on Nutri-Kitchen Garden for Farm Women Growing vegetables round the year covering leafy vegetables, Solanaceous vegetables, Roots and Tubers, cucurbits suiting to consumption pattern + Two Papaya Plants ,One Lemon, one drumstick and two Banana and floriculture in bunds	Consumption of vegetables/day Availability of vegetable/day	Vegetable seeds, seedlings,	500	200		3	0	0	-	7	-	10	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants				Other		Total		T
						SC		ST		M	F	M	F	
						M	F	M	F					
Training	Household food security by Kitchen & Nutritional Gardening	1	F/FW	1	Off	3	2	1	1	5	13	9	16	25
Field Day	Field day on Household food security by Kitchen & Nutritional Gardening	1	F/FW	1	Off	4	2	2	1	10	11	16	14	30
Farm field school	Household food security by Kitchen & Nutritional Gardening	1	F/FW	1	Off	2	4	2	9	9	4	13	17	30

(xi)

Crop:	Poultry
Thrust Area:	Low family income
Thematic Area:	Income generation
Season:	Rabi, 2022
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 chicks	10 unit	Demonstration on poultry bird Kadaknath in backyard system for farm women Rearing of Kadaknath in backyard	Body weight at 1month, 2month, 4months and age of laying, annual egg production, morbidity rate during extreme heat condition	Kadaknath chicks	200/unit	100/unit		3	0	0	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		T
						M	F	M	F	M	F	M	F	
Training	Rearing of poultry bird in backyard	1	F/FW	1	Off	3	2	1	1	5	13	9	16	25
Field Day	Field day on poultry bird Kadaknath in backyard	1	F/FW	1	Off	4	2	2	1	10	11	16	14	30
Farm field school	Rearing of poultry bird in backyard	1	F/FW	1	Off	2	4	2	9	9	4	13	17	30

(xii)

Crop	Sugarcane
Thrust Area	Sugarcane Mechanization
Thematic Area	Farm Mechanization
Season	Rabi,2022
Farming Situation	Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Sugarcane (Sugarcane ridger)	10 units	Demonstration on tractor drawn sugarcane ridger Making forrows and ridges by using Tractor drawn sugarcane Ridger for sugarcane planting	Yield(kg/hr), Depth of ploughing(mm), Labour Requirement (MDs/ha)	Sugarca ne Ridger	500/un it	300/ unit	2	0	2	2	4	0	8	2	10

Extension and Training activities under FLD:

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

(xiii)

Crop	Finger Millet
Thrust Area	Millet Mechanization
Thematic Area	Farm Mechanization
Season	Rabi, 2022
Farming Situation	Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in 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 Thresher cum Pearler	10 locations (10 units)	Demonstration on Ragi Thresher cum Pearler Ragi Thresher cum Pearler	Yield(kg/hr), Threshing Efficiency (%), Labour Requirement (MDs/ha)	Ragi Thresher cum Pearler	1000/unit	200/unit	1	0	0	1	8	0	9	1	10

Extension and Training activities under FLD:

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

(xiv)

Crop	Paddy
Thrust Area	Paddy mechanization
Thematic Area	Farm Mechanization
Season	Kharif, 2022
Farming Situation	Rainfed Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) relation in to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy	10 locations (10 units)	Demonstration of Combine Harvester Combine Harvester	Yield(kg/hr), Labour Requirement (MDs/ha)	Combine Harvester	3000/hr	1000 /hr	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

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

(xv)

Crop	Vegetables
Thrust Area	Vegetable Mechanization
Thematic Area	Farm Mechanization
Season	Kharif & Rabi, 2022
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	Planting materials	10 units	Demonstration on production of planting material through portray for SHGs Pro-tray planting material production	Servibility(%) both in nursery and main field	Pro-tray	-	-	1	1	4	2	2	0	7	3	10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Production of planting material through portray	1	F&FW	1 day	Off	2	2	10	6	3	2	15	10	25
Field day	Field day on production of planting material through portray.	1	F&FW, IS	1 day	Off	2	1	3	2	15	2	15	5	20

(xvi)

Crop	Fishery
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Performance
Season	Rabi, 2022
Farming Situation	Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Loca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Fishery	10	Demonstration of Amur Crap cultivation Stocking ratio- Catla: Rohu: Mrigal: Amur carp: 30:40:10:20	Growth rate (%), Yield (q/ha), Date of maturity	Amur carp	-	-	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

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

(xvii)

Crop	Prawn
Thrust Area	Culture based fish Pond for prawn polyculture
Thematic Area	Freshwater Prawn
Season	Kharif
Farming Situation	Pond Based

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Prawn (Freshwater Prawn, <i>M. rosenbergii</i>)	2Ha. (10nos.)	Demonstration on Polyculture of Prawn with carp Stocking of freshwater prawn PL-10,000 nos. with stunted fingerlings of Catla – 3000 nos., rohu-2000nos. grass carp-500nos. and per ha.	Survivability (%) Growth (gm.)	Prawn PL	65000	45000	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

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

(xviii)

Crop:	Brinjal
Thrust Area	Video Documentation
Thematic Area	Video Documentation
Season:	Rabi 2022
Farming Situation	Irrigated Medium Land

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal	1ha	Demonstration on effectiveness of short technology videos on technology adoption in brinjal crop Preparation of small videos (1.5-2.0 minutes) on different activities of production process of selected commodities and the same will be sent through WhatsApp to the identified farmers	Awareness creation -Knowledge acquisition & retention -Real-time applicability -Uptake of new practice - Information sharing & spillover effects -Change in perception	-	15000/ha	12000/ha	2	0	1	0	7	0	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field day	Field day on effectiveness of short technology videos on technology adoption in brinjal crops	30	F/FW	1 day	Off	5	0	5	0	20	0	30	0	30

(xix)

Crop	Forestry
Thrust Area	Agroforestry
Thematic Area	Production & management
Season	Kharif, 2022
Farming Situation	Rainfed

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	Forestry	1 ha	Demonstration of lemon grass Lemon grass cultivation in the fallow land of forest area	Growth rate (cm) Survivability (%)	Lemon grass slips	15000/ha	12000/ha	2	-	1	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total		T	
						M	F	M	F	M	F	M	F		
Awareness Programme	Cultivation of lemon grass	1	F/FW	1	Off	2	1	3	0	14	5	19	6	25	
Field Day	Field day on Lemon Grass	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30	
Farm Field School	Cultivation of lemon grass	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30	

(xx)

Crop	Forestry
Thrust Area	Agro forestry
Thematic Area	Integrated farming
Season	Rabi, 2022
Farming Situation	Traditional forestry

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	Forestry	1.0	Demonstration of lac Inoculation of brood lacs to the branches of host trees before swarming 50 broods/unit.	Avg. Wt (gm.) Productivity (q/ha.)	Brood lac, Sutuli, Synthetic net	18000/ha	16000/ha	3	-	0	-	7	-	10	0	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants									
						SC		ST		Other		Total			
						M	F	M	F	M	F	M	F	T	
Awareness Programme	Training on lac cultivation	1	F/FW	1	Off	8	3	6	3	10	0	24	6	30	
Field Day	Field day on lac cultivation	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30	
Farm Field School	Training on lac cultivation	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30	

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

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

Name of the Crop / Enterprise	Variety / Type	Period From 01.01.2022 to 31.12.2022	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Paddy	Hasant	Kharif	1 ha	B/S to F/S	30.00	63000	93600	30600
Green gram	IPM 2-14	Rabi	1 ha	B/S to F/S	3.00	16000	33900	17900
Vegetable Seedling	Hybrid &	Kharif & Rabi	100000 nos.	100000 no.	100000 no.	75000	150000	75000

	OP							
Papaya Seedlings	Hybrid & OP	Kharif	2000	Hybrid & OP	2000	20000	50000	30000
Drumstick Seedlings	Bhagya	Kharif	3000 nos.	Hybrid	3000 nos.	15000	45000	30000
Forest /Medicinal Seedlings		Kharif	10000nos.		10000 nos.	80000	150000	70000
Carp	Rohu (Jayanti), Amur carp, Grass Carp		0.2	Fingerling	50000nos.	45000	200000	155000
Azolla	<i>Azolla pinnata</i>		4units	Fern	5q.	500	5000	4500
Chicks	Banaraja, Kadaknath	Kharif & Rabi	3000 no.s		3000	80000	210000	130000
Vermicompost		Kharif & Rabi	60q		50q	15000	75000	50000
Vermi wash					10lt			
Mushroom spawn			10000 bottles		10000 bottles			

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.)

5. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	20	387	113	500	-	-	-	-	-	-	-
2.	KisanMela	2	275	125	400	-	-	-	-	-	-	-
3.	KisanGhoshi	12	180	0	180	-	-	-	-	-	-	-
4.	Exhibition	3	1200	300	1500	-	-	-	-	-	-	-
5.	Film Show	24	360	120	480	-	-	-	-	-	-	-
6.	Method Demonstrations	30	230	70	300	-	-	-	-	-	-	-
7.	Farmers Seminar	2	35	15	50	-	-	-	-	-	-	-
8.	Workshop	1	25	5	30	-	-	-	-	-	-	-
9.	Group meetings	15	140	85	225	-	-	-	-	-	-	-
10.	Lectures delivered as resource persons	30	610	140	750	-	-	-	-	-	-	-
11.	Advisory Services	50	-	-	80000	-	-	-	-	-	-	-
12.	Scientific visit to farmers field	300	-	-	1500	-	-	-	-	-	-	-
13.	Farmers visit to KVK	600	-	-	600	-	-	-	-	-	-	-
14.	Diagnostic visits	35	-	-	350	-	-	-	-	-	-	-
15.	Exposure visits	5	66	34	100	-	-	-	-	-	-	-
16.	Ex-trainees Sammelan	1	17	8	25	-	-	-	-	-	-	-
17.	Soil health Camp	1			50	-	-	-	-	-	-	-
18.	Animal Health Camp	1			50	-	-	-	-	-	-	-
19.	Agri mobile clinic	-	-	-	-	-	-	-	-	-	-	-
20.	Soil test campaigns	2	80	20	100	-	-	-	-	-	-	-
21.	Farm Science Club Conveners meet	5	125	0	125	-	-	-	-	-	-	-
22.	Self Help Group Conveners meetings	6	0	78	78	-	-	-	-	-	-	-
23.	Mahila Mandals Conveners meetings	-	-	-	-	-	-	-	-	-	-	-
24.	Celebration of important days (specify)	4	150	50	200	-	-	-	-	-	-	-
25.	Sankalp Se Siddhi	-	-	-	-	-	-	-	-	-	-	-
26.	Swatchta Hi Sewa	1	-	-	100	-	-	-	-	-	-	-
27.	Mahila Kisan Diwas	1	0	50	50	-	-	-	-	-	-	-
28.	Plant health	5	150	100	250	-	-	-	-	-	-	-
29.	Farm field school	14	320	100	420							
30.	Innovative farmers documentation	10	3	2	5	20						
31.	Awareness programme for FPO	5	80	70	150	30						
	Total	1180	4443	1485	88563	70	5	5	10	85	75	160

6. Revolving Fund (in Rs.)

Opening balance of 2020-2021 (As on 01.04.2021)	Amount proposed to be invested during 2022	Expected Return
4,27,037	2,00,000	3,00,000

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
INM	Trainees	1,50,000
IPM	Trainees	1,50,000
PMMSY	NFDB	50,00,000
RKVY	Govt.	25,00,000
ASCI	ICAR	4,00,000
ARYA	ICAR	25,00,000

8. On-farm trials to be conducted*

OFT: 1

i.	Season	:	Rabi, 2022
ii.	Title of the OFT	:	Assessment on IPM module for Management of sucking pest in brinjal
iii.	Thematic Area	:	Integrated Pest Management
iv.	Problem diagnosed	:	Heavy infestation of mites and whitefly reduces the yield in brinjal
v.	Important Cause	:	Indiscriminate use of pesticide in brinjal
vi.	Production system	:	Field Based
vii.	Micro farming system	:	irrigated
viii.	Technology for Testing	:	Integrated Pest Management of sucking pest in brinjal
ix.	Existing Practice	:	Spraying of Thiamethoxam 25WG/Acetamiprid 20 SP @300 to 400 gm/ha and Dicofol 18.5EC @ 1.5 lit/ha
x.	Hypothesis	:	IPM module is effective and ecofriendly measures for management of pest
xi.	Objective(s)	:	To assess the IPM module against whitefly and mites in brinjal
xii.	Treatments:		
	Farmers Practice (FP)	:	Spraying of Thiamethoxam 25WG/Acetamiprid 20 SP @400 to 500 gm/ha and Dicofol 18.5EC @ 1.5 lit/ha
	Technology option-I (TO ₁)	:	Installation of Yellow sticky trap @20/ha ,Alternate spraying of Spiromesifen 22.9 SC @ 400 ml/ha and Neem oil (300 ppm) @ 1 lit/ha
	Technology option-II (TO ₂)	:	Installation of Yellow sticky trap @20/ha , Alternate spraying of Spirotetramat 11.01+Imidacloprid 11.01 SC @ 500 ml/ha and Neem oil (300 ppm) @ 1 lit/ha
xiii.	Critical Inputs	:	Spirotetramat 11.01+Imidacloprid 11.01 SC, Spiromesifen 22.9 SC, Yellow Sticky trap Neem oil (300 ppm)
xiv.	Unit Size	:	0.04ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	800
xvii.	Total Cost	:	8000
xviii.	Monitoring Indicator	:	No of whitefly and red spider mite population from six apical leaves(2 each from top,middle and bottom canopy), Yield(Kg/ha),B:C ratio
xix.	Source of Technology (ICAR/AICRP/ SAU/ Other, please specify)	:	BCKV, West Bengal,2017

OFT: 2

I	Season	:	Kharif 2022
ii	Title of the OFT	:	Assessment on Performance of different substrates for vermicompost production
iii	Thematic Area	:	Production of organic inputs
iv	Problem diagnosed	:	Underutilization of organic wastage and scarcity of organic Manure
V	Production system	:	organic manure production
Vi	Micro farming system	:	Homestead
vii	Technology for Testing	:	Field Crop residue can be better utilized in vermicomposting
	Farmers Practice (FP)	:	Local method
	Technology option-(TO1)	:	Vermicomposting from cow dung+ vegetable waste (2:3)
	Technology option-II (TO-II)	:	Vermicomposting from cow dung+ Field Crop residue (2:3)
	Technology option-III(TO-III)	:	Vermicomposting from cow dung+ sal leaves substrate(2:3)
Viii	Existing Practice	:	Organic compost local method
Ix	Objective(s)	:	To increase organic status of the soil and yield
X	Treatments	:	
	Farmers Practice (FP):	:	Local method
	Technology option-I (TO-I)	:	Vermicomposting from cow dung+ vegetable waste (2:3)
	Technology option-II (TO-II)	:	Vermicomposting from cow dung+ Field Crop residue (2:3)
	Technology option-III (TO-III)	:	Vermicomposting from cow dung+ Spent mushroom substrate (2:3)
Xi	Critical Inputs	:	Cow dung, vermibed, vermin
Xii	Unit Size:	:	6' X 4'
Xiii	No of Replications	:	10
Xiv	Unit Cost	:	1000
Xv	Total Cost	:	10000
Xvi	Monitoring Indicator	:	NPK status (%), Conversion period(days), Conversion ratio
Xvii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please	:	NRCM, Solan, 2012

	specify)		
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OFT: 3

I	Season	:	Kharif 2022
ii	Title of the OFT	:	Assessment on production of sweet corn varieties
iii	Thematic Area	:	Varietal Intervention
iv	Problem diagnosed	:	Farmers are lacking in knowledge for growing of HYV of sweet corn
V	Production system	:	Rice- pulse
Vi	Micro farming system	:	Irrigated Medium land
vii	Technology for Testing	:	The Variety having duration 75 days, yield potential 50-55q/ha, Moderately resistance to disease and pest
	Existing Practice	:	Rice- pulse cropping system
	Objective(s)	:	Growing of HYV of sweet corn instead of local var
	Treatments	:	
	Farmers Practice (FP)	:	Cultivation of local var maize
Viii	Technology option-I (TO ₁)	:	Pusa sweet corn 1
Ix	Technology option-II (TO ₂)	:	VL sweet corn 1
X	Critical Inputs	:	Sweet corn Seeds
	Unit Size:	:	1 Acre
	No of Replications	:	10
	Unit Cost	:	1000
	Total Cost	:	10000
Xi	Monitoring Indicator		No of Cob/Plant, Cob Length, Yield and Economics
Xii	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)		Pusa ICAR

OFT: 4

i.	Season	:	Kharif, 2022
ii.	Title of the OFT	:	Assessment on Tractor Operated Seed drill for DSR (Direct seeded of rice)
iii.	Thematic Area	:	Farm Mechanization
iv.	Problem diagnosed	:	Random broadcasting of seed requires more time, more labour more

			seed rate
v.	Important Cause	:	Line sowing without beusening activity results less labour requirement with less time consuming.
vi.	Production system	:	Field Based
vii.	Micro farming system	:	Rainfed
viii.	Technology for Testing	:	Tractor operated Seed drill
ix.	Existing Practice	:	Random broadcasting followed by Beusening
x.	Hypothesis	:	Less labour and time required for land preparation as it will be done by Seed cum Fertilizer drill
xi.	Objective(s)	:	To assess the tractor operated Seed drill for DSR
xii.	Treatments:		
	Farmers Practice (FP)	:	Random broadcasting followed by Beusening
	Technology option-I (TO ₁)	:	Tractor operated Seed drill with Zero tillage
	Technology option-II (TO ₂)	:	Tractor operated Seed drill with Primary tillage
xiii.	Critical Inputs	:	Tractor operated Seed drill
xiv.	Unit Size	:	1ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	2000
xvii.	Total Cost	:	20000
xviii.	Monitoring Indicator	:	Field capacity (ha/hr), Labour Requirement (MDs/ha) , Cost of operation (Rs/ha), Yield(q/ha), No of tillers, Seed rate(Kg), Weed count(No/m ²)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	CAET, OUAT, 2016

OFT: 5

i.	Season	:	Rabi, 2022
ii.	Title of the OFT	:	Refinement on preparation of Suagarcane Jaggery
iii.	Thematic Area	:	Value addition
iv.	Problem diagnosed	:	Due to black in colour and poor quality of jaggery, fetching less market value and consumer acceptance.
v.	Important Cause	:	For better market value and consumer acceptance.
vi.	Production system	:	Cottage based
vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Vegetative clarificants with Sodium hydrosulphite (Hydros) to enhance the colour of jaggery.
ix.	Existing Practice	:	Farmers using chemical clarificants (Calcium hydroxide) for jiggery preparation
x.	Hypothesis	:	Vegetable extract results in good colour, better acceptance and better

		health condition..
xi.	Objective(s)	: To assess preparation of Suagarcane Jaggery
xii.	Treatments:	
	Farmers Practice (FP)	: Farmers using chemical clarificants (Calcium hydroxide) for jaggery in excess results in dark colour and poor market value.
	Technology option-I (TO ₁)	: Vegetable clarificants like 500 ml. of ladies finger plant extract per 400 liters of cane juice will be used to remove scum from the boiled juice. Lime will be added to adjust the P ^H from 5.2 to 6.4 during boiling. In addition Sodium hydrosulphite (Hydros) @15g per 400lit will be added to enhance the colour of jaggery.
	Technology option-II (TO ₂)	: Vegetable clarificants like 500 gm of groundnut paste per 400 liters of cane juice will be used to remove scum from the boiled juice. Lime will be added to adjust the P ^H from 5.2 to 6.4 during boiling. In addition Sodium hydrosulphite (Hydros) @15g per 400lit sugarcane juice will be added to enhance the colour of jaggery.
xiii.	Critical Inputs	: ladies finger, groundnut, hydrous powder
xiv.	Unit Size	: 10 units
xv.	No of Replications	: 10
xvi.	Unit Cost	: 1025
xvii.	Total Cost	: 10250
xviii.	Monitoring Indicator	: Quality of Jaggery (Colour), texture, keeping quality (Shelf life)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, specify)	: IISR, Lakhnow & CFTRI, Mysore

OFT: 6

i.	Season	: Kharif 2022
ii.	Title of the OFT	: Assessment of influence of age of the spawn on the yield of paddy straw mushroom.
iii.	Thematic Area	: Income generation
iv.	Problem diagnosed	: Low yield of Paddy straw mushroom due to influence of age of the spawn
v.	Important Cause	: Over growth of PSM spawn in Paddy straw mushroom cause low income
vi.	Production system	: Homestead
vii.	Micro farming system	: Green shade net house and under the tree
viii.	Technology for Testing	: Age of the spawn on the yield of paddy straw mushroom
ix.	Existing Practice	: Cultivation of paddy straw mushroom using full growth spawn
x.	Hypothesis	: Low yield of Paddy straw mushroom due to over growth of mushroom spawn

xi.	Objective(s)	:	To assess the age of the spawn on the yield of paddy straw mushroom
xii.	Treatments:		
	Farmers Practice (FP)	:	2% dry substrate weight 20 days age spawn, soaking of straw in 2% CaCO ₃ and 150g red gram powder per 10 kg substrate
	Technology Option-I (TO ₁)	:	Paddy straw mushroom cultivation using 12 day old spawn
	Technology Option-II (TO ₂)	:	Paddy straw mushroom cultivation using 15 day old spawn
xiii.	Critical Inputs	:	Paddy straw mushroom spawn
xiv.	Unit Size	:	10
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs 1000
xvii.	Total Cost	:	Rs 10000/
xviii.	Monitoring Indicator	:	Days of 1 st flush, Average fruit body weight
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	Department of Plant Pathology, Tamil Nadu Agricultural University, Coimbatore-2012

OFT: 7

i.	Season	:	Kharif, 2022
ii.	Title of the OFT	:	Assessment of cultivation of different marigold varieties for income generation through SHGs.
iii.	Thematic Area	:	Income generation
iv.	Problem diagnosed	:	Non availability of fresh flowers in the market
v.	Important Cause	:	Marigold availability throughout the year
vi.	Production system	:	Homestead
vii.	Micro farming system	:	Backyard
viii.	Technology for Testing	:	Cultivation of different marigold varieties for income generation through SHGs
ix.	Existing Practice	:	Production of non commercial marigold flower
x.	Hypothesis	:	Cost effective, suitable for marketing
xi.	Objective(s)	:	To assess different marigold varieties for income generation
xii.	Treatments:		
	Farmers Practice (FP)	:	Non scientific cultivation of marigold with local varieties.
	Technology Option-I (TO ₁)	:	Cultivation of marigold(variety-Bidhan 2)
xiii.	Technology Option-II (TO ₂)	:	Cultivation of marigold(variety-Ceracola)
xiv.	Critical Inputs	:	Marigold Var:Bidhan 2 & Var: Ceracola
xv.	Unit Size	:	10 units

xvi.	No of Replications	:	10
xvii.	Unit Cost	:	Rs 1000
xviii.	Total Cost	:	Rs 10000/
xix.	Monitoring Indicator	:	Flower diameter, No. of flowers per plant , Flower yield (q/ha) , Cost of intervention,, Net profit, B C ratio.
xx	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	AICRP, Floriculture, OUAT, BBSR 2016-17

OFT: 8

i.	Season	:	Rabi,2022
ii.	Title of the OFT	:	Assessment of suitable species in Biofloc technology
iii.	Thematic Area	:	Varietal Evaluation
iv.	Problem diagnosed	:	Less production from biofloc unit with IMC
v.	Important Cause	:	Sustainability of biofloc technology
vi.	Production system	:	Pond based system
vii.	Micro farming system	:	Small to medium tank
viii.	Technology for Testing	:	Biofloc
ix.	Existing Practice	:	Practice with IMC
x.	Hypothesis	:	The selected species were having feeding habit of omnivorous and detritus
xi.	Objective(s)	:	To get maximum production comparison to common carp
xii.	Treatments:		
	Farmers Practice (FP)	:	IMC
	Technology Option-I (TO ₁)	:	Tilapia
	Technology Option-II (TO ₂)	:	Amur carp
	Technology Option-I (TO ₃)	:	Magur
	Technology Option-II (TO ₄)	:	Fresh water prawn
xiii.	Critical Inputs	:	Fingerlings of species
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIBA, ICAR-CIFA

OFT: 9

i.	Season	:	Kharif, 2022
ii.	Title of the OFT	:	Assessment on Control of Argulus (Lice) in Fishes in carp polyculture
iii.	Thematic Area	:	Health Management
iv.	Problem diagnosed	:	Less production due to
v.	Important Cause	:	Fish mortality due to Argulosis in carp polyculture
vi.	Production system	:	Culture based system
vii.	Micro farming system	:	Pisciculture pond
viii.	Technology for Testing	:	Different Chemicals for control of Argulus in fish
ix.	Existing Practice	:	Application of lime 100kg/ha.
x.	Hypothesis	:	Control of crustacean ectoparasite
xi.	Objective(s)	:	Removal of Argulus from freshwater fish body as well as pond ecosystem
xii.	Treatments:		
	Farmers Practice. (FP)	:	Application of lime 100kg/ha.
	Technology Option-I (TO ₁)	:	Cypermethrin 10% EC @ 0.01 ppm in water
	Technology Option-II (TO ₂)	:	Deltamethrin 2.8% EC @ 0.02 ppm in water
	Technology Option-III(TO ₃)	:	Ivermectin 2% w/w@ 250g/ 1 ton feed
xiii.	Critical Inputs	:	Chemicals for control of Argulus
xiv.	Unit Size	:	1 ac.
xv.	No of Replications	:	10
xvi.	Unit Cost	:	Rs. 1500
xvii.	Total Cost	:	Rs. 15,000
xviii.	Monitoring Indicator	:	Argulus Popuation / Fish, Fish Mortality (%), Argulosis Incidence (Day, Fish wt.(gm.), Yield (q/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA (2018), BENFISH (2018)

OFT: 10

Season	:	Kharif 2022
Title of the OFT	:	Assessment of the performance of FPOs with varied levels of task and commodity to enhance income
Thematic Area	:	Technology Expansion
Problem diagnosed	:	Unorganized farmers fetching low price due to distress sale of farm produce
Technology for Testing:	:	
Hypothesis	:	Recommended technology will be expansion
Objective(s):	:	To assess the performance of FPOs with varied levels of task and commodity to enhance income
Treatments:	:	
Farmers Practice (FP)	:	Farmers marketing their produce through intermediaries
Technology Option (TO ₁)	:	FPO dealing with a single commodity with a single task i.e., Vegetable-Marketing
Technology Option (TO ₂)	:	FPO dealing with single commodity with multi-task i.e., Vegetable-sorting, grading, packing, branding and marketing
Technology Option (TO ₃)	:	FPO dealing with multi-commodity with single task i.e.,Pulses, Vegetable, Enterprises-Marketing
Technology Option (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
Monitoring Indicator	:	Easy to produce (Score out of 10) Easy to sell (Score out of 10) Farmers interest to become a member (Score out of 10) Business planning and market linkage with various national and international companies (Score out of 10) Share capital contributed
Source of Technology	:	OUAT 2019

OFT: 11

Season	:	Rabi 2022
Title of the OFT	;	Impact assessment of Cluster Frontline Demonstration programme on mustard cultivation
Thematic Area	:	Market Led Extension
Problem diagnosed	:	Lack of information regarding the impact of technology demonstrated on farmers practice
Technology for Testing:	:	
Hypothesis	:	Proper channel of marketing will improve the income of Brinjal farmer
Objective(s):	:	To study the status of Brinjal marketing in Nayagarh Dist. To identify the existing channels and steps involved in marketing of Brinjal To study the time taken for the commodities (Brinjal) to reach from 'farm – plate' To study the marketing cost, margin and price spread in each step of marketing.
Treatments:	:	
Farmers Practice (FP)	:	Technology available with farmers
Technology Option (TO1)	:	Technology provided under CFLD through Krishi Vigyan Kendra
Technology Option (TO2)	:	Technology provided by Cluster programme of Agriculture dept
Monitoring Indicator	:	Availability of technology, applicability of technology, accessibility of technology, Crop growth parameters
Source of Technology	:	Asian Journal of Agricultural Extension, Economics & Sociology

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	ARYA	20,00,000
2	SCSP	25,00,000
3	ASPIRE	100,00,000
4.	ASCI	4,00,000

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

Entrepreneurs Success story (Mushroom, Vegetable seedling, Fishery, Poultry, Vermicompost, Farm Mechanization, Women entrepreneurship)

12. Scientific Advisory Committee

Date of SAC meeting held during 2021	Proposed date during 2022
27.01.2021	28.12.2022

13. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	450	20	7	20	7	346	50	386	64	450	30	450
Water Samples	50	5	5	5	5	20	10	30	20	50	10	2
Total	500	25	12	25	12	366	60	416	84	500	40	452

14. Fund requirement and expenditure (Rs.)

Heads	Expenditure (last year) (Rs.) up to 31.12.2021	Expected fund requirement (Rs.) during 2022-23
TA	22604	100000
HRD	0	10000
CONTIGENCY	9,94,656	1400000
LIBRARY	10000	10000
SCSP	4,84,441	
INTERNAL FARM ROAD	0	0
FARM IMPLEMENT	0	1000000
FARM DEVELOPMENT	0	1000000
IFS Unit	0	1000000
IRRIGATED SYSTEM	0	
Total	15,11,701	45,20,000

* 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/-
(ANIL KUMAR SWAIN)
SENIOR SCIENTIST & HEAD
KVK, OUAT, NAYAGARH, ODISHA

