

ACTION PLAN 2024-25



ACTION PLAN (APRIL 2024- MARCH-2025)

1. Name of the KVK: Sundargarh-1

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2.Name of host organization : Odisha University of Agriculture & Technology(OUAT)

Address	Telephone		E mail
	Office	FAX	
Odisha University of Agriculture & Technology, Bhubaneswar - 751003			

3.Training programme to be organized (APRIL 2024- MARCH-2025)

(a) Farmers and farmwomen

Sl N o	Thematic area	Title of Training	No.	Dura tion	Venue On/Off	Tentative Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Soil Science															
1.	Soil and Water Testing	Importance of soil testing & balanced fertilizer application in crops	1	1	Off Campus	July 2024									30
2.	Micro-nutrient deficiency	Micro & secondary nutrient application in Rice	1	1	Off Campus	July 2024									30
3.	Problematic soil mgt	Mgt of acid soil	1	1	Off Campus	July 2024									30
4.	INM	INM in Maize	1	1	Off Campus	August 2024									30
5.	INM	Nutrient Management in Aromatic Rice	1	1	Off Campus	August 2024									30
6.	INM	Application of Nano-Urea and Nano DAP in Rice	1	1	Off Campus	August 2024									30
7.	INM	INM in Pulses (Greengram& Blackgram)	1	1	Off Campus	September 2024									30
8.	INM	INM in groundnut	1	1	Off Campus	January 2025									30
9.	Preparation of	Preparation of	1	1	Off	February									30

	organic Inputs	quality compost from agricultural waste			Campus	2025										
10.	Biofertilizer production	Production technology for raising Azolla nursery	1	1	Off Campus	September -2024										30
11.	Soil & Water conservation	Rain water harvesting & water conservation	1	1	Off Campus	August 2024										30
12.	Nutrient management	Nutrient mgt in natural farming	1	1	Off Campus	September 2024										30
13.	Nutrient management	INM in Solanaceous crop	1	1	Off Campus	September 2024										30
14.	Nutrient management	Use of bio-fertilizer in special reference to organic farming in vegetable crops	1	1	Off Campus	November 2024										30
15.	INM	Nutrient management in Crops under rice – fallow situation	1	1	Off Campus	October 2024										30
Agronomy																
16.	Weed management	Importance of summer ploughing for controlling weed and enrichment of soil	1	1	Off Campus	June 2024										30
17.	Nursery Management	Nursery management of Paddy	1	1	Off Campus	June 2024										30
18.	Nursery Management	Nursery management in ragi	1	1	Off Campus	June 2024										30
19.	ICM	Agronomic package and practices for Arhar cultivation	1	1	Off Campus	June 2024										30
20.	ICM	Improved production technology for cultivation of Sesamum	1	1	Off Campus	July 2024										30

21.	IDM	Management of wilt complex in Chilli	1	1	Off Campus	July 2024											30
22.	Weed management	Weed management in DSR	1	1	Off Campus	July 2024											30
23.	IPM	Disease and Pest management in Rice	2	1	Off Campus	August 2024											30
24.	IWM	Weed management in Kharif pulses	1	1	Off Campus	August 2024											30
25.	ICM	Scientific method of mustard cultivation	1	1	Off Campus	October 2024											30
26.	IPM	Management of fall army worm in maize	1	1	Off Campus	November 2024											30
27.	IDM	Management of wilt complex in Brinjal	1	1	Off Campus	November 2024											30
28.	IPM	IPM in Rabi Vegetables	1	1	Off Campus	Dec 2024											30
29.	ICM	Management of rice fallow area	1	1	Off Campus	Dec2024											30
30.	IWM	Weed management in Groundnut	1	1	Off Campus	January 2025											30
Community Sc																	
31.	Income generation activities for empowerment of rural Women	Production technology of Paddy straw mushroom in threshed straw for Income generation	1	2	Off campus	June 24											30
32.	Nursery management	Raising of quality seedlings through low cost polytunnel	1	1	Off campus	September 24											30
33.	Household food security by nutritional gardening	Planning and Lay-outing of model nutri garden	1	1	Off campus	October-24											30
34.	Household food security by nutritional	Nutri-garden-Nutritional security of	1	1	Off campus	October-24											30

	gardening	farm families													
35.	Income generation activities	Production technology of Oyster mushroom in threshed straw for Income generation	1	2	Off campus	Nov-24									30
36.	Post harvestMgt	Post harvest management of Oyster Mushroom Beds	1	1	Off Campus	November 2024									30
37.	Location specific drudgery reduction technologies	Use of small tools and farm implements for Comfort elevation of farm women	1	1	Off campus	January-24									30
38.	Storage loss minimization	Different structure and methods to minimize the storage losses	1	1	Off campus	Feb-24									30
39.	Value addition	Value addition of Vegetables(To mato)	1	1	Off campus	Dec2024									30
40.	Women & child care	Early childhood care by farm women	1	1	Off campus	July 2024									30
41.	Value addition	Value addition of Fruits(Mango and Lemon)	1	1	Off campus	March 2025									30
	Forestry														
42.	Production Techniques	Preparation of Forest planting material. (Teak, A. mangium, sandal,D.sisso o, Bamboo etc.)	1	1	Off	July2024									30
43.	Production Techniques	Plantation technique and duration of different plantation crop.	1	1	Off	July2024									30
44.	Nursery management.	Forest Nursery management.	1	1	Off	August 2024									30

45.	Agroforestry model.	Preparation of different Agroforestry model.	1	1	Off	August .2024											30
46.	Production Techniques	Lac cultivation in Kusum, Ber and Palas trees.	1	1	Off	October 2024											30
47.	Silvi-pastural system.	Practising of different Silvi-pastural system.	1	1	Off	September 2024											30
48.	Production Techniques	Energy plantation of forest species.	1	1	Off	September 2024											30
49.	Value addition	Collection, drying method and its values addition of Mahua and other NTFP.	1	1	Off	Jan.2025											30
50.	Management of Forest Plants	Management of Pre and post plantation crop/plants.	1	1	Off	October 2024											30
51.	Forestry Production Techniques	Different pruning, thinning technique and its time of plants for better growth.	1	1	Off	Nov.2024											30
Agricultural Extension																	
52.	Mobilization of social capital	Formation and management of Farmer Producer organizations	1	1	Off campus	January, 2025											30
53.	leadership management	Formation of groups for aggregation and marketing of village produce	1	1	Off campus	August, 2024											30
54.	Farm mechanization	Operation and maintenance of small farm tools and implements	1	1	Off campus	September, 2024											30
55.	Marketing	Various marketing opportunities & production planning in	1	2	Off campus	October, 2024											30

		vegetables													
56.	Marketing	Formation and management of Farmer Producer organizations	1	1	Off campus	November, 2024									30
57.	Micro irrigation systems of orchards	Layout, fitting & mgt of drip irrigation in Orchard	1	1	Off campus	November 2024									30
58.	Marketing	Formation of groups for aggregation and marketing of village produce	1	1	Off campus	December, 2024									30
59.	Poultry management	Scientific rearing of backyard poultry	1	1	Off campus	October 2024									
60.	Feed management	Preparation of Low cost poltury feeds for higher income	1	1	Off campus	November 2024									
61.	Farm mechanization	Use and operation of Ragi thresher cum perler	1	1	Off campus	, 2024									
62.	Farm mechanization	Use and operation of seed cum fertilizer drill on pulses	1	1	Off campus	2024									
63.	ITK	ITK in Rice	1	1	Off campus	August 2024									
64.	Vaccination	Vaccination schedule for poultry	1	1	Off campus	October 2024									
Horticulture															
65.	Nutrient management	Foliar application of Micro-nutrients in Bittergourd	1	1	OFC	June,2024									30
66.	INM	Integrated Nutrient Management in Yard long bean	1	1	OFC	June,2024									30
67.	Integrated Farming system	Selection of Fruit & vegetable crops in pond based IFS.	1	1	OFC	July,2024									30

68.	INM	Integrated Nutrient Management in Okra	1	1	OFC	July,2024										30
69.	Varietal evaluation	Garlic varieties with their Characteristics	1	1	OFC	August,2024										30
70.	INM	Integrated Nutrient Management in Garlic	1	1	OFC	August,2024										30
71.	Nutrient management	Methods of Application of Arka Microbial Consortium in Chilli	1	1	OFC	September, 2024										30
72.	Nursery raising	Nursery raising of Marigold	1	1	OFC	October,2024										30
73.	Training & Pruning	Training & Pruning in young Mango tree.	1	1	OFC	October,2024										30
74.	Integrated Nutrient management	Integrated Nutrient Management in Guava	1	1	OFC	November, 2024										30
75.	Integrated Nutrient Management	Integrated Nutrient Management in Brinjal	1	1	OFC	November, 2024										30

(b) Rural youths

Sl N o	Thematic area	Title of Training	No.	Du rat ion	Venue On/Off	Tentative Date	No. of Participants										
							SC		ST		Ot her		Total				
							M	F	M	F	M	F	M	F	T		
1.	Production of Organic inputs	Preparation of quality compost	1	5	On campus	January 2025											20
2.	Production of organic Inputs	Preparation of Inputs for Organic & Natural farming	1	3	On campus	February 2025											20
3.	Entrepreneurs hip development	Commercial poultry farming	1	3	On campus	Septembe r 2024											20
4.	Marketing	Different avenues for marketing of Agricultural produce	1	3	On campus	March 2024											20

5.	IFS	IFS for livelihood security	1	2	On campus	November 2024									
6.	Entrepreneurship development	Seed production in Rice	1	2	On campus	September 2024									20
7.	Value addition	Processing and value addition of Millet	1	3	On campus	October 2024									20
8.	Value addition	Value addition of Mahual	1	3	On campus	March 2024									20
9.	Forestry	Preparation of low-cost Forest Nursery for planting material production. (Teak, A. mangium, sandal, D.sissoo, Bamboo etc	1	2	On	January 2025									20
10.	Entrepreneurship development	Entrepreneurship development through Nursery business	1	5	ONC	February, 2025									20
11.	Plant Propagation	Propagation of Fruit crops using grafting & budding techniques	1	5	ONC	March, 2025									20

(c) Extension functionaries

Sl No	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
1.	INM	Recent advances in soil health mgt	1	2	On campus	December 2024									20
2.	INM	Soil related constraints & their amelioration for sustainable crop production	1	2	On campus	February 2025									20
3.	Capacity building for ICT application	Recent advances in ICT used in Agriculture	1	2	On campus	September 2024									20
4.	ICT	Application of new media in extension	1	2	On campus	January, 2024									20
5.	Leadership Development	Motivational and communication skills for extension personnel	1	2	On campus	October 2024									20
6.	IWM	Prospect of Annual planning of weed	1	1	ONC	September									20

		pest management				2024									
7.	Pest Management	Safe use of pesticides	1	1	ONC	December 2024									20
8.	Pest Management	Recent advances in Pest management in Rice	1	1	ONC	February 2023									20
9.	Nutritional Security	Nutritional and Health benefits of Millet	1	1	On campus	November 2024									20
10.	Entrepreneurship development	Entrepreneurship development among farm women	1	2	On campus	November 2024									
11.	Sustainable Crop production	Principles and Practices of Natural farming in vegetable crops	1	2	ONC	December, 2024									20
12.	Climate Smart Horticulture	Climate resilient vegetable crops & their package of practices	1	2	ONC	January, 2025									20

(d) Sponsored training (Skill development)

Sl No	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
1	Entrepreneurship development	Techniques of Vermicompost production	4	20	On campus										80
2	Entrepreneurship development	Scientific Poultry rearing	1	5	On campus										20
3	Entrepreneurship development	Scientific rearing of honey bee	2	10	On campus										40
4	Value addition	Value addition of Mushroom	1	5	On campus										20
5	Entrepreneurship Development	Commercial mushroom cultivation	3	15	On campus										25
6	Value addition	Value addition of Fruits and vegetables	1	5	On campus										20
7	Value addition	Value addition of Mahul	1	5	On campus										20
8	Entrepreneurship development	Round the year stunted Yearling production	1	5	On campus										20

9	Entrepreneurs hip development	Bio-flock based fish farming	1	5	On campus										20
10	Entrepreneurs hip development	Brooding and Rearing of poultry	1	5	On campus										20
11	Entrepreneurs hip development	Nursery raising of Vegetables	2	10	On campus										40
12	Entrepreneurs hip development	Propagation of Fruit crops using grafting & budding techniques	2	10	On campus										40
13	Entrepreneurs hip development	Mushroom spawn Production	1	5	On campus										20
14	Entrepreneurs hip development	Package and Practices of Millet and value addition of millet	1	1	On campus										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	4												120
Resource Conservation Technologies	2												60
Cropping Systems	1												30
Crop Diversification	2												60
Integrated Farming													
Water management	1												10
Seed production													
Nursery management	2												60
Integrated Crop Management	7												210
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	3												90
TOTAL	22												660
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													

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
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													
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	1												30
Integrated Nutrient Management	9												270
Production and use of organic inputs	1												30
Management of Problematic soils	1												30
Micro nutrient deficiency in crops	1												30

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
Nutrient Use Efficiency	1												30
Soil and Water Testing	1												30
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2												60
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	1												30
Storage loss minimization techniques	1												30
Enterprise development													
Value addition	3												90
Income generation activities for empowerment of rural Women	3												90
Location specific drudgery reduction technologies	1												30
Rural Crafts													
Capacity building													
Women and child care	1												30
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of													

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
farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
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													

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
fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	2												60
Mobilization of social capital	4												120
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. Specify)													
TOTAL													

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1												20
Bee-keeping	1												20
Integrated farming	1												20
Seed production	1												20
Production of organic inputs	1												20
Planting material production													
Vermi-culture	1												20
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and													

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
implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	2												40
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1												20
Ornamental fisheries	1												20
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	2												40
Others if any (ICT application in agriculture)	1												20
TOTAL													

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	3												75
Integrated Nutrient management	4												100
Rejuvenation of old orchards													
Value addition	3												75
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													

Information networking among farmers	1												25
Capacity building for ICT application	2												50
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL													

Frontline demonstration to be conducted 2024-25

FLD No. -1 : **Demonstration of Zn & B application in transplanted rice (2nd Year)**
CODE : **23FSS01(K)**
Crop: Rice
Problem: Low yield due to Boron & Zn deficiency in Soil
Thrust Area: INM
Thematic Area: Micro nutrient deficiency in crops
Season : Kharif, 2024
Farming Situation : Irrigated medium land, Rice -Vegetable

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Rice	2.0 ha (10 Nos)	STBF + Basal application of ZnSO4 (21% Zn) @25kg/ha + Foliar application of B (20%) @ 1.5g/ltr at flowering stage	Initial and post harvest soil test value No. of effective tillers /sq m, No. of filled grain per panicle, 1000 grain weight (gm), Yield (q/ha) , Economics	ZnSO4 (21% Zn), B (20%)											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Micro & Secondary nutrient application in Rice	1	FW	1	Off	July2024									30
Method Demo	Application of Micronutrients	1	FW	1	Off campus	July 2024									10
Field Day	Zn & B application in transplanted rice	1	FW	1	Off campus	Nov 2024									50

FLD No. -2 : Demonstration of water soluble fertilizers in KharifBlackgram (2nd year)
CODE : 23FAG27(K)
Crop: Blackgram
Problem: Low yield of Blackgram due to poor nutrient management
Thrust Area: INM
Thematic Area: Soil fertility management
Season : Kharif, 2024
Farming Situation : Rainfed upland; Blackgram-fallow
Farmer Practice : Application of N-P2O5-K2O @ 20-40-0 kg/ha

Sl. No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Blackgram	2.0 ha (10 Nos)	Application of 75 % STBR + foliar application of WSF (18:18:18) @ 2 % at 25 & 40 DAS	Pods/plant, Seeds/pod, Test Weight Yield and Economics	Water soluble fertilizer (18:18:18)											10

Extension and Training activities under FLD:

Activity	Title of Activity	No	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Foliar application of Water soluble fertilizer in Blackgram for enhancing yield	1	FW	1	Off	July2024									30
Method Demo	Preparation and spraying of water soluble fertiliser	1	FW	1	Off campus	July 2024									10
Field Day	water soluble fertilizers in KharifBlackgram	1	FW	1	Off campus	Nov 2024									50

FLD No. - : 3
CODE :
Crop:
Problem:
Thrust Area:
Thematic Area:
Season :
Farming Situation :

Demonstration of Integrated Nutrient Management In Ragi (2nd Year)
23FAG30(K)
 Ragi
 Low yield due to poor nutrient management
 INM
 INM
 Kharif, 2024
 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
	Ragi	2.0 ha (10 Nos)	100 % RDF (60:20:20) + Seed treatment with biofertilizers (azospirillum & PSM @ 25 g/kg of seeds each)	Effective tillers/hill, Yield and Economics	Bio-fertilizers (azospirillum & PSM)											10

Extension and Training activities under FLD:

Activity	Title of Activity	No .	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	INM In Ragi	1	FW	1	Off	July 2024									30
Method Demo	Application of Bio-Fertilisers	1	FW	1	Off campus	July 2024									30
Field Day	INM in Ragi	1	FW	1	Off campus	October 2024									50

FLD No. - : 4
CODE :
Crop:
Problem:
Thrust Area:
Thematic Area:
Season :
Farming Situation :
Farmers Practice :

Demonstration on combined nutrient spray in summer Groundnut (2nd Year)
23FAG17(S)
 Groundnut
 Low yield of Groundnut due to poor pod filling and poor nutrient management
 INM
 INM
 Summer, 2025
 Irrigated medium land : Rice-Groundnut
 Application of N - P2O5- K2O @20- 40 -20 kg/ha only

Sl. No.	Crop variety & Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Groundnut	2 ha (10 Nos)	STBFR + foliar application of combined nutrient spray at 30 & 45 DAS (dissolved 2.5 kg DAP, 1kg ammonium sulphate& 500g borax in 35-40ltr of water for 12 hrs, filter it & make 500liters to spray 1ha area, then mix Planofix @3ml/15ltr of spray solution).	No. of pods/plant, Shelling (%) Yield (q/ha) and Economics	DAP A/s Borax Planofix											10

Extension and Training activities under FLD:

Activity	Title of Activity	No .	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	
Training	INM In summer Groundnut	1	FW	1	Off	January, 2025									30
Method Demo	Preparation of Nutrient solution and spraying techniques	1	FW	1	Off campus	February 2025									30
Field Day	Combined nutrient spray on Groundnut	1	FW	1	Off campus	March, 2025									50

FLD NO-5 : Demonstration on IDM practices for wilt complex in Brinjal (Agronomy)
CODE : 23FPP25(R)
Crop: Brinjal
Thrust Area: Promotion of IDM for wilt mgt. in Brinjal
Thematic Area: IDM
Season: Rabi 2024-25
Farming Situation : Irrigated upland
FP: Spraying of Copper Oxychloride 45 % WP 3 gm/lit + Streptocyclin 4 gm/ 10 lit water after observation of wilting

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	De mo	L ocal	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal	0.5	Seed treatment with (Metalaxyl+ Mancozeb 72 % WP) @ 2g/kg + Soil application of Carbofuran @ 1kg a.i./ha+ soil drenching of Carbendazim 0.15%+ Plantomycin 0.1% at 30 and 45 days after transplanting	Parcent disease index, Yield and Economics												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Management of wilt complex in Brinjal	1	F/FW	1	4 th week of November	Off									30
Field Day	IDM practices for wilt management in Brinjal	1	F/FW	1	2 nd week of December	Off									50
Method Demonstration	Seed treatment	1	F/FW	1	4 th wk of November	Off									10

FLD No – 6 : Demonstration on high yielding Ragivar-Arjuna (TSP) (Agronomy) 2nd year
Code 23FAG28(K)
Crop: Ragi
Thrust Area: Popularization of HYVArjuna
Thematic Area: ICM
Season: Kharif-2024
Farming Situation : Rainfed Up Land
Farmers Practice : Cultivation of local cv Jagulei

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 Var. Arjuna	4.0	Line transplanting with RDF(60:30:30)	No. of tillers/ hill, No. of effective tillers/m ² , Ear head/ plant, grain weight /ear head , Test wt (g), Yield (q/ha)Net Income, B:C ratio	Seed											10

Extension and Training activities under FLD

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Nursery management of ragi	1	FW	1	Off	2 nd week July									30
Method Demo	Line Transplanting	1	FW	1	Off	3 rd week July									10
Field Day	High yielding Ragivar-Arjuna	1	FW	1	Off	3 rd week Sept									50

FLD No – 7: Demonstration on weed management in transplanted Rice (Agronomy)
CODE : 23FAG03(K)
Crop: Rice
Problem: Low yield due to high weed infestation
Thematic Area: Weed Management
Season: Kharif-2024
Farming Situation : Rainfed medium Land
Farmers Practice: Hand weeding at 30 DAT

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	Rice	2.0	Pre emergence application of Pretilachlor 50 EC @ 1500 ml/ha, fb Penoxulam 1.02 % + Cyhalofop butyl 5.1 % OD @ 2250 ml/ha @ 25 DAT		Herbicides											10

Extension and Training activities under FLD

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Chemical weed management in transplanted rice	1	FW	1	Off	2 nd week July									30
Method Demo	Application of herbicides	1	FW	1	Off	4 th week July									10
Method Demo	Calibration of sprayer	1	FW	1	Off	3 rd week July									10
Field Day	Weed management in transplanted Rice	1	FW	1	Off	4 th week of November									50

FLD NO-8 : Demonstration on Integrated Pest management of Fall Army Worm in Maize (Agronomy)
CODE : 23FAG28(K)
Crop: Maize
Thrust Area: IPM in Major crops of the district
Thematic Area: IPM
Season: Kharif, 2024
Farming Situation : Irrigated upland
FP: Spraying of Profenophos 50 EC @ 2 ml/lit of water after observation of pest infestation

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	De mo	Lo ca l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Maize	0.5	Seed treatment with (Cyantraniliprole 19.8% + Thiamethoxam 19.8% FS) @ 6 ml/kg of seed, spraying with Azadirachtin 1500 ppm @ 3ml/L of water at 21 DAS and (Thiamethoxam 12.6% + Lambda cyhalothrin 9.5% ZC) @125 ml/ha at 35 DAS	Percent infestation, Yield and Ecpnomics												10

Extension and Training activities under FLD:

Activity	Title of Activity	No .	Clientele	Duration	Date	Venue On/Off	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Integrated Pest management of Fall Army Worm in Maize	1	F/FW	1	July, 2023	Off									30
Field Day	Integrated Pest management of Fall Army Worm in Maize	1	F/FW	1	Nov, 2023	Off									50
Method Demonstration	Preparation and application of PP Chemicals	1	F/FW	1	4 th wk of July	Off									10

FLD-9
Code: 23FHS04(R)
Crop: Vegetable Nursery
Problem Low production due to use local seed in open condition
Thrust Area: Production Technology
Thematic Area: IGA
Season: Rabi 2024-25
Farming Situation Homestead
Farmers Practice Raising vegetable seedling in open condition

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	Vegetables	0.02 (10)	vegetable seedling raising under poly tunnel (Construction of low cost polytunnel (3X1X1) m supported by GI frames /bamboo, PVC pipe covered with 200-micron UV stabilized polythene of 35 mt2 . Seed treatment with Bavistin. Vegetable seeds like brinjal, Tomato, Cauliflower, Onion, Chilly etc to be grown	Mortality%, Yield, Economics	Iron polytunnel, Seed packet												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	Nursery raising of vegetables in poly tunnel	1	F/FW	1	OFF									30
Method Demo.	Nursery raising of vegetables in poly tunnel	1	F/FW	1	OFF									30
Publication	Nursery management of Vegetables	1												500

FLD-10
Code- 24FHS02(K/R)
Crop: Honey bee
Problem Colonies are not strong enough to build super
Thrust Area: IGA
Thematic Area: Mushroom production
Season: Kharif- 2024
Farming Situation: Homestead/ 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	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Honey bee	10	Fixing of new comb in comb honey production frame and fixing it with the wooden or plastic ISI specified frame size and collecting the comb honey frames at the right time (when combs are sealed cent percent) from the super chamber. Packing of the comb honey wrapped in food grade cling wrap along with its plastic comb honey frame without damage to the comb in hard boxes.			660/unit	300/unit									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
Training1	Scientific rearing of Honey bee	2	RY	10	On									30
Method Demo	Scientific rearing of Honey bee	2	F&FW& RY	6	On									30
Field day	Harvesting of Honey	1	F&FW	1	Off									40
Manual	Scientific rearing of Honey bee	40	RY											40

FLD-11	Demonstration on Circular Bed method for Paddy Straw Mushroom cultivation using crumpled straw
Code:	24FCS13 (K)
Crop:	Mushroom
Problem	Non utilization of crumpled paddy straw after threshing in bullock cart/tractor/ combined harvester
Thrust Area:	IGA
Thematic Area:	Mushroom production
Season:	Kharif- 2024
Farming Situation:	Homestead/ backyard

[illegible]

Extension and Training activities under FLD:

[illegible]

FLD –12 Demonstration of Pineapple in mango based Agro forestry system 2nd year
Code: 23FAF03(K)
Crop: Pineapple
Problem Under utilization of inter space area of Mango plantation
Thrust Area: Agro-Forestry
Thematic Area: Forestry
Season: Kharif 2023-24
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	De mo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Pineapple	10 Nos	Pineapple suckers were planted in 60cm × 60cm in raised bed in mango orchard (7.5 mtr. × 7.5 mtr.spacing)	Trees and inter crop biometric yield, cost of cultivation of intercrop. B:C ratio												10

Extension and Training activities under FLD:

Activity	Title of Activity	No .	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Planting techniques of Pineapple in mango orchard	1	F/FW	1	Off	October 1 st wk									30
Method Demo	Planting techniques & Bed preparation for pineapple as intercrop	1	F/FW	1	Off	October 1 st wk									10
Field Day	Evaluation of intercrops	1	F/FW	1	Off	November 4 th wk									50

FLD –13 Demonstration on Mahua collection and drying method for value chain (TSP)
Code: 24FAF05(K/R)
Crop: Mahua
Problem Damage of Mahua due to Mannual collection
Thrust Area: Agro-Forestry
Thematic Area: Forestry
Season: Rabif 2024-25
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	Mahua	10 Nos	12m× 12m Agri shade net and sun drying method- 5 days (7m× 3.5m, 100-micron UV stabilized polyethelyne, Bamboo) (Source: SLREC- 2018)	Yield/plant,collec tion per plant/day, quality,BCR	100 micron UV Stabilised polythene, Agri Shadenet	4000/u nit	400									10

Extension and Training activities under FLD:

Activity	Title of Activity	No .	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Planting techniques of Pineapple in mango orchard	1	F/FW	1	Off	October 1 st wk									30
Method Demo	Planting techniques & Bed preparation for pineapple as intercrop	1	F/FW	1	Off	October 1 st wk									10
Field Day	Evaluation of intercrops	1	F/FW	1	Off	November 4 th wk									50

FLD No. -14 : Demonstration of Yard long bean var. Arka Mangala for higher yield.
Code: 24FHO07(R)
Crop: Yard long bean
Problem: Low yield
Thrust Area: Higher Production
Thematic Area: Varietal Substitution
Season : Kharif, 2024
Farming Situation : Rainfedupland, Vegetable–Vegetable

Sl. No.	Crop & variety/ Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1	Yard long bean	1.0 ha (10 Nos)	ArkaMangala: Plants are tall(3-4m), pods are very long(80cm), light green, stingless, round, tender with crisp texture and matures in 60 days, suitable for kharif and rabi, pod yield:25t/ha in 100 days. Source: ICAR-IIHR, Bangalore, 2016	Pod length(cm), No. of pods/plant, Yield(q/ha), B:C ratio	Seed												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Integrated Nutrient Management in Yard long bean	1	FW	1	Off	July,2024									30
Method Demo	Single line Trellis system	1	FW	1	Off	August 2024									10
Field Day	Demonstration of Yard long bean var. ArkaMangala for higher yield	1	FW	1	Off	Oct. 2024									50

FLD No. -15 **Demonstration on Natural farming technology for tomato**
Code: 24FHO01(R)
Crop: Tomato
Problem: Poor keeping quality
Thrust Area: Sustainable Crop production
Thematic Area: Natural Farming
Season : Rabi, 2024-25
Farming Situation : Irrigated medium land, Vegetable–Vegetable

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration									
					Name of Inputs	Demo	Local	SC		ST		Other		Total			
								M	F	M	F	M	F	M	F	T	
1	Tomato	1.0 ha (10 Nos)	Cultivation of tomato with marigold as intercrop in the ratio of 1:5, maize as barrier crop. Straw mulching and irrigation in alternate channel. Application of Jibamruta (500 lit/ha) thrice at 15 days interval. Foliar spray of Nimastra(200l/ha)twice at 15 days interval Source: RRTTS, Ranital 2022-23	No of weeds/m ² , No. of fruits/plant, Wt. of the fruit (gm), Yield(q/ha), B:C ratio	Marigold seedlings, Maize seed, Plastic drum(100 L. capacity)												10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Principle & Practices of Natural Farming	1	FW	1	Off	Sept. 2024									30
Method Demo	Preparation of Jibamruta&Nimastra	1	FW	1	Off	Oct.2024									10
Field Day	Demonstration on Natural farming technology for tomato	1	FW	1	Off	Jan.2025									50

FLD No. -16 : **Demonstration of Arka Microbial Consortium for yield enhancement in chilli.**
Code: 24FHO10(R)
Crop: Chilli
Thrust Area: INM
Thematic Area: Nutrient management
Season: Rabi-2024-25
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	De mo	L o c a l	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Chilli	1.0	AMC-A carrier based microbial product containing N fixing, P and Zn solubilizing and plant growth promoting microbes. Soil application @5 kg /ac. of AMC inoculated in 500kg of FYM and applied near the root zone. (Source: IIHR, Bangalore, 2015	No of fruits/ plant, fruit yield/ plant(g), Yield(q/ha), B:C ratio	Arka Microbial Consortium											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		T
							M	F	M	F	M	F	M	F	
Training	Methods of Application of Arka Microbial Consortium in Chilli	1	FW	1	Off	Sept. 2024									30
Method Demo	Application of Arka Microbial Consortium	1	FW	1	Off	Oct.2024									10
Field Day	Demonstration of Arka Microbial Consortium for yield enhancement in chilli.	1	FW	1	Off	Feb.2025									50

FLD No – 17
Code: 23FHO26(K/R)
Crop: Marigold
Thrust Area: Income Generating Activity
Thematic Area: Production of Flower
Season: Rabi: 2024-25
Farming Situation: Irrigated medium land

Demonstration on Marigold variety Bidhan marigold-2 (Involving SHG)

Sl.No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Marigold	0.4	HYV Bidhan marigold-2, Flowers are attractive, orange in colour, compact and found suitable for making garland, flower dia. 4cm, 128 no flowers/plant, yield-285 kg/ha Source: BCKV,2017	No. of flowers/plant yield of flowers/ plant, yield(q/ha), BCR	Seedlings &pesticides											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	
Training	Nursery raising of Marigold	1	F/FW	1	Off	Oct. 2024									30
Method Demo	Method of Nursery raising	1	F/FW	1	Off	Oct. 2024									10
Field Day	Demonstration on Marigold variety Bidhan marigold-2	1	F/FW	1	Off	Dec.2024									50

FLD –18
Code 24FEE04(Y)
Crop: Rice
Problem Less remuneration from the existing rice production due to increase in production cost by improper farm planning and marketing
Thrust Area: Productivity enhancement of major crops
Thematic Area: Agril marketing
Season: Kharif-2024
Farming Situation : Rainfed, Medium land
Farmers Practice : Rice cultivation without any definite planning and record keeping including bulk marketing at doorstep

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
	Rice	10+30 Nos	Designing the proper scheduling of different farm activities by maintaining timely records and planning the cropping keeping in view to fetch good market value from the produce	Timely Availability / delivery of inputs and technology, Suitability of technology, Ease in handling the extension method Retention and retrieval of information Change in income Change in production cost Change in knowledge Change in skill Change in perception Sustainability Adoptability												30

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Designing , Crop Planning of calendar of operations in Rice	1	F/FW	1	Off	June 4 th wk									30
Method Demo	Preparation of crop plan	1	F/FW	1	Off	June 4 th wk									30

FLD – 20 Demonstration on Production of vermicompost for income generation under TSP**Crop:** Vermicompost**Thrust Area:** Organic Farming**Thematic Area:** Vermicomposting**Season:** Kharif-2024**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
	Vermicompost	10	Demonstration of Vermicomposting, Recommended layer so for organic waste and cow dung in vermitank(using 4'diacementring. Release of earthworm @50nos/kg of organic waste.	Yield /tank (Kg) Net Income, B.C ratio	Earth-worm RCC Rings											30

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Scientific method of vermicompost production	1	F/FW	5	Off	Sep 1 st wk									25
Training	Commercial vermicompost production	1	RY	5	On	Nov 2 nd wk									15
Method Demo	Preparation of compost pit, collection of bi-products for decomposition	1	F/FW	5	Off	Sept 1 st 3 rd wk									25
Pamphlet	<i>Jiakhatachasa</i>	500	F/FW	1		Sept 1 st wk									500
Field Day		1				Feb 2 nd wk									250

FLD – 21
Code
Crop:
Thrust Area:
Thematic Area:
Season:
Farming Situation:

Demonstration on Power operated Ragi Thresher-cum-Pearler
24FCS12(R)
 Ragi
 Women Friendly Implements
 Drudgery Reduction
 Rabi 2024-25
 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
	Ragi	10	Use of threshing by power operated Ragi thresher-cum-pearler to enhance the efficiency of farmwomen	Threshing Efficiency(%), Capacity (kg/hr), Cost saving (Rs/q)	Ragi thresher-cum-pearler											10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	Date	No. of Participants								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
Training	Women friendly implements for comfort elevation of farm women	1	F/FW	5	Off	Dec 2 nd week									30
Method Demo	Operationalisation of threshing & pearling of Ragi	1	F/FW	5	Off	Dec 2 nd week									10
Pamphlet	Women friendly implements for comfort elevation of farm women	500	F/FW	1		Dec 1 st week									500
Field Day		1				Dec 2 nd week									40

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

Name of the Crop / Enterprise	Variety / Type	Period From..... to	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Rice	Pratikshya	June to Dec 2024	1.5	FS	45.0	100,000	1,40,000	40,000
Mushroom Spawn (Paddy straw)	Volvariella Volvacea	May to Oct 2024			3000 nos	45000	60000	15000
Mushroom Spawn(Oyster)	H. umarius, P. sajorcaju	Oct to Feb 2024			3000 nos	45000	60000	15000
Vermiculture	Eisenia foetida	Round the year			50kg	10000	25000	15000
Vegetable Seedlings/ Saplings	Papaya, Drumstick, Different flowers and seasonal vegetables	Round the year	0.009	Seedlings	1,00,000nos	1,50,000	2,50,000	1,00,000
Vermicompost		Round the year	0.0134	Compost	200	20,000	40,000	20,000
Mushroom	Paddy straw/Oyster	Round the year	0.01		100kg	10,000	20,000	10,000
Poultry	Kadaknath, Aseel	Round the year	0.020	Brooded chick	1000	5000	10,000	5000

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.)

Extension Activities (Tentative)

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	15										
2.	KisanMela	1										
3.	KisanGhoshthi	10										
4.	Exhibition	5										
5.	Film Show	135										
6.	Method Demonstrations	21										
7.	Farmers Seminar	2										
8.	Workshop	2										
9.	Group meetings	80										
10.	Lectures delivered as resource persons	60										
11.	Advisory Services	60										
12.	Scientific visit to farmers field	141										
13.	Farmers visit to KVK	1250										
14.	Diagnostic visits	20										
15.	Exposure visits	15										
16.	Ex-trainees Sammelan	2										
17.	Soil health Camp	2										
18.	Animal Health Camp	1										
19.	Agri mobile clinic	0										
20.	Soil test campaigns	2										
21.	Farm Science Club Conveners meet	0										
22.	Self Help Group Conveners meetings	2										
23.	MahilaMandals Conveners meetings	2										
24.	Celebration of important days (specify)	25										
25.	Sankalp Se Siddhi	0										
26.	Swatchta Hi Sewa	30										
27.	MahilaKisanDiwas	1										
28.	Any Other (Specify)	2										
	Total	1886										

Revolving Fund (in Rs.)

Opening balance of 2024-25 (As on 01/04/.2024)	Amount proposed to be invested during April 2024 – March 2025	Expected Return
1,79,123	5,00,000	6,00,000

2. On-farm trials to be conducted

OFT – 1 Assessment of Organic Inputs in Ragi (2nd Year)

CODE : 230AG10(K)

Season	Kharif 2024
Title of the OFT	Assessment of organic inputs in Ragi
Thematic Area	Organic Inputs in crops
Problem diagnosed	Low yield of ragi due to no use of organic sources of nutrients and pesticides
Important Cause	Lack of knowledge and skill on preparation and use of organic inputs
Production system	Rice- fallow
Micro farming system	Rainfed lowland
Technology for Testing	Use of organic inputs for production enhancement
Existing Practice	Only use of FYM and some fertilizer and pesticides
Hypothesis	Application of optimum sources of organic nutrients helps in increasing the aroma of rice and enhance its yield
Objective(s)	To increase the yield of aromatic rice
i. Treatments:	
Farmers Practice (FP):	FYM @ 2t/ha, no fertilizer & pesticides
Technology option-I (TO-I):	Seed treatment with Bijamrut + Soil application of Jibamrut+ Spraying of Brahmastra
Technology option-II (TO-II):	Soil application of Sanjibak+Spraying of Neemastra
Critical Inputs	Seed treatment, Jivaamrut, Bijaamrut, Sanjeevak, Brahmastra and Neemastra
Unit Size	2 ha
No of Replications	7
Unit Cost	1000
Total Cost	7000
Monitoring Indicator	Initial and post harvest soil test value, No. of effective tillers /sq m, No of filled grain per panicle, 1000 grain weight (gm), Yield (q/ha) ,Economics
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	National centre for organic and natural farming, 2020-21

OFT -2 Assessment of Lime and Sulphur Application In Summer Groundnut (1st year)
CODE : 240AG11(R)

Season	Summer 2025
Title of the OFT	assessment of lime and sulphur application in summer groundnut
Thematic Area	INM
Problem diagnosed	Low yield of groundnut due to acidic soil condition and sulphur deficiency in soil.
Important Cause	High prevalence of acidic soil condition
Production system	Rice- Groundnut
Micro farming system	Irrigated-Medium land
Technology for Testing	Lime and sulphur application in summer groundnut
Existing Practice	Application of NPK @ 20:40:40 kg/ha
Hypothesis	Application of lime will neutralize soil acidity, supplement calcium and sulphur application will increase yield and oil content
Objective(s)	To ameliorate soil acidity and to enhance yield and oil content.
i. Treatments:	
Farmers Practice (FP):	Application of N:P: K(20:40:40) kg/ha
Technology option-I (TO-I):	STD + 30 kg S/ha + 0.5 LR (Broadcasting)
Technology option-II (TO-II):	STD + 40 kg S/ha + 0.2 LR (furrow application)
Critical Inputs	Sulphur , Lime
Unit Size	2 ha
No of Replications	7
Unit Cost	2000
Total Cost	14000
Monitoring Indicator	Initial and post harvest soil test value, No. of branches/ plant, No. of pods/ plant, Oil Content, Yield (q/ha) , Economics
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	Annual Report OUAT, 2009-10, pp 16

OFT-3 Assessment of Herbicides in Pigeon pea
Code: 23OAG11(K)

Season	Kharif 2024
Title of the OFT	Assessment of Herbicides in Pigeon pea
Thematic Area	Weed Management
Problem diagnosed	Loss of Yield
Important Cause	Yield loss due to high weed infestation
Production system	Pigeonpea - fallow
Micro farming system	Rainfed-Upland
Technology for Testing	Introduction of some new herbicides
Existing Practice	Hand weeding at
Hypothesis	Spraying of Herbicides like pendimethalin, imazethapyr helps the farmers to reduce weed population below ETL & at the same time helps to increase the yield of Pigeonpea
Objective(s)	To evaluate new generation herbicides for weed management in maize
i. Treatments:	
Farmers Practice (FP):	Hand weeding at 40 -45 DAS
Technology option-I (TO-I):	Pre-emergence application of Pendimethalin 30 EC @ 0.75 kg a.i./ha at 3 DAS followed by hand weeding at 50 - 60 DAS
Technology option-II (TO-II):	Pre-emergence application of Pendimethalin 30EC @ 0.75 kg a.i./ha at 3 DAS followed by post-emergence application of Imazethapyr 10 SL @ 100 g a.i./ha
Critical Inputs	Pendimethalin, Imazethapyr
Unit Size	1 ha
No of Replications	7
Unit Cost	Rs. 1,500/-
Total Cost	Rs. 10,500/-
Monitoring Indicator	No. of Weeds /m ² Weed control efficiency, No. of cobs per plant, Cob length, Seeds/Cob. Test weight (g), Yield q/ha and Economics.
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	AICRP on Pigeon Pea, 2013

OFT – 4 Assessment of different crops for rice fallow management
Code: 24OAG14(K/R)

Season	Rabi 2024-25
Title of the OFT	Assessment of different crops for rice fallow management
Thematic Area	ICM
Problem diagnosed	80,000 ha area is under rice fallow
Important Cause	Lack of knowledge on suitable crop and varieties under rice fallow
Production system	Rice –Fallow
Micro farming system	Rainfed medium land
Technology for Testing	<i>Kharif</i> Rice followed by pulses and oilseed
Existing Practice	Rice –Fallow
Hypothesis	
Objective(s)	• To find out suitable crop under rice fallow
i. Treatments:	
Farmers Practice (FP):	Rice -Fallow
Technology option-I (TO-I):	Rice-Chickpea
Technology option-II (TO-II):	Rice-Toria
Technology option-III (TO-III):	Rice-Lentil
Critical Inputs	Seed, Need based plant protection chemicals
Unit Size	1 ha
No of Replications	7
Unit Cost	Rs. 3000/-
Total Cost	Rs 21000 /-
Monitoring Indicator	Individual crop yield, Cropping intensity, system yield, System economics
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	BCKV 2016-17 IRRI, 2019-20

OFT No.: 5 Assessment of Effectiveness of Various Media For Dissemination of Agricultural Information Among Youths

CODE : 240EE03(Y)

Season:	:	Karif/Rabi/Zaid-Summer 2024-25
Title of the OFT:	:	assessment of effectiveness of various media for dissemination of agricultural information among youths
Thematic Area:	:	
Problem diagnosed:	:	Improper selection of visual media for awareness of technology
Important Cause:	:	Improper knowledge on use of modern mass media
Production system:	:	Vegetable-vegetable-vegetable, Rice-pulses
Micro farming system:	:	Irrigated, Rainfed
Technology for Testing:	:	Media for dissemination of agricultural information
Existing Practice:	:	Farmers access information from various sources
Hypothesis:	:	Information from specific media will increase interest in new technologies
Objective(s):	:	to assessthe effectiveness of various media for dissemination of agricultural information among youths
Treatments:	:	
Farmers Practice (FP)	:	Farmers access information from various sources
Technology option-I (TO-I)	:	Information access from mass media (Television / Radio)
Technology option-II (TO-II)	:	Information access from mass media + Social media (Youtube/ facebook/ instagram)
Technology option-III (TO-III)	:	Information access from mass media + social media + print media
Critical Inputs:	:	-
Unit Size:	:	30+30+30+30
No of Replications:	:	1
Unit Cost:	:	-
Total Cost:	:	-
Monitoring Indicator:	:	Understandability, timeliness, easy to access, applicability
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	:	-

**OFT No.: 6 Assessing Efficacy of ITK On Disease Pest Management Of Vegetables Available Locally
CODE ; 24OEE08(Y)**

Season:	:	Karif/Rabi/Zaid-Summer 2024-25
Title of the OFT:	:	Assessing efficacy of ITK on disease pest management of vegetables available locally
Thematic Area:	:	ITK
Problem diagnosed:	:	Non standardization of available ITK leading to poor dissemination, hence production of vegetables with higher residual toxicity from chemical pesticides
Important Cause:	:	Lack of knowledge and skill on Use of ITKs
Production system:	:	Rice-vegetable , vegetable-vegetable
Micro farming system:	:	Irrigated Medium land/ upland
Technology for Testing:	:	Selection of appropriate ITKs for disease pest management in vegetables.
Existing Practice:	:	ITK adopted in a micro area, not tested, documented, but has visible role
Hypothesis:	:	Use of suitable scientifically validated ITKs will be helpful for disease pest management in vegetables
Objective(s):	:	To assess the most suitable ITK for disease pest management
Treatments:	:	
Farmers Practice (FP)	:	ITK adopted in a micro area, not tested, documented, but has visible role
Technology option-I (TO-I)	:	ITK to be tested in KVK adopted villages
Technology option-II (TO-II)	:	ITK to be tested in KVK
Critical Inputs:	:	Questionnaire based survey
Unit Size:	:	90
No of Replications:	:	1
Unit Cost:	:	-
Total Cost:	:	-
Monitoring Indicator:	:	Timely Availability/ delivery of technology, suitability of technology, ease in handling, Complexity, cost of technology
Source of Technology : (ICAR/ AICRP/ SAU/ Other, please specify):	:	

OFT –7 Assessment of Nutri-Cereal Cookies for enhancing income of SHGs/FPOs
Code-24OCS03(R)

Season	Rabi-2024-25
Title of the OFT	Assessment of Nutri-Cereal mushroom Cookies for enhancing income of SHGs/FPOs
Thematic Area	Value addition
Problem diagnosed	Limited value addition and distress selling
Important Cause	Consumer Demand
Production system	Homestead
Micro farming system	Homestead
Technology for Testing	
Existing Practice	Using as khiri
Hypothesis	Both mushrooms and millets are well known for their culinary medicinal properties. Development of mushroom millet cookies is a step towards blending the nutritional goodness of mushrooms and millets for better taste and nutrition. This technology can also help in the development of entrepreneurship through the production of these products
Objective(s)	To meet the nutritional security
i. Treatments:	
Farmers Practice (FP):	Preparation of Cookies in refined wheat flour-250g +Butter-113g+Sugar-80g+Milk-50ml+Baking Powder-1/4 tsp+ Baking Soda ½ tsp
Technology option-I (TO1):	Ragi and whole wheat flour supplemented Nutri cookies: Ragi flour-30g+Whole wheat flour-30g+Refined wheat flour- 40g+fat-60g+Sugar-60g+Salt-0.3g+ Sodium metabisulphite-1g +Ammonium bicarbonate-0.25g+ Cardamom essence -7drops Source: Department of Food Science and Technology, Shivaji University, Kolhapur, 2022
Technology option-II (TO2):	Mushroom fortified millet cookies Sorghum flour: oyster mushroom powder(80:20) along with other ingredient such sugar (30%), ghee (bakery fats) (45%), baking powder (0.6 %), ammonium bicarbonate (0.3%), salt (0.6 %), milk powder (1.5 %) and vanilla essence (0.02%) Source: ICAR DMR
Critical Inputs	Oyster mushroom, Millet powder(Shorgum/Jowar/Finger millet)
Unit Size	3 SHG
No of Replications	10
Unit Cost	600
Total Cost	6000
Monitoring Indicator	Shelf life (days), Sensory Evaluation (0-9 point hedonic scale), Gross cost (Rs.), Gross Return(Rs.),B:C ratio
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	TO1 Department of Food Science and Technology, Shivaji University, Kolhapur, 2022 TO2- ICAR DMR, Solan

Season	Summer -2024-25
Title of the OFT	Assessment of different value added products of Mahua for enhancing income of SHGs/FPOs
Thematic Area	Value addition
Problem diagnosed	Limited value addition and Opportunity for preparing new products
Important Cause	Consumer Demand
Production system	Homestead
Micro farming system	Homestead
Technology for Testing	
Existing Practice	Collecting mahul in summer season and drying and selling in market
Hypothesis	This technology can also help in the development of entrepreneurship through the production of these products
Objective(s)	To get anew products for SHGs/FPOs
i. Treatments:	
Farmers Practice (FP):	Selling Raw
Technology option-I (TO1):	Preparation of RTS (mahul blended with ginger(10% of the extract)) 10 per cent fruit juice and 10 per cent total soluble solids besides about 0.3 per cent acid. Preparation of Mahua RTS, Extracting pulp from mahua flower and mixing with equal amount of sugar and water. Mahua pulp 12.5kg (TSS7%)+ Sugar Solution +14kg (TSS 74%) + Water 36kg.
Technology option-II (TO2):	Preparation of MahuaLaddu
Critical Inputs	Mahul, Jaggery citric acid and acetic acid
Unit Size	3 SHG
No of Replications	10
Unit Cost	600
Total Cost	6000
Monitoring Indicator	Shelf life (days), Sensory Evaluation (0-9 point hedonic scale), Gross cost (Rs.), Gross Return(Rs.),B:C ratio
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	TO1 AICRP on Post Harvest Technology, College of Technology and Engineering, MaharanaPratap University of Agriculture and Technology, Udaipur, Rajasthan-2013 TO2- PHT-OUAT-2015

OFT -9 Assessment of foliar application of micronutrient in Bittergourd.

Code	23OHO05(K/R)
Season	Kharif -2024
Title of the OFT	Assessment of foliar application of micronutrient in Bittergourd
Thematic Area	INM
Problem diagnosed	Small size and deformed fruits
Important Cause	Due to non-availability of micro nutrients to plants, Small size and deformed fruits are obtained.
Production system	Vegetables-Vegetables
Micro farming system	Rainfed-up land
Technology for Testing	Foliar application of micronutrient in Bittergourd
Existing Practice	Soil application of NPK fertilizers only
Hypothesis	Foliar application of micronutrient in Bittergourd will increase the fruit size and reduce the deformity of fruits.
Objective(s)	To increase the fruit size and reduce the deformity of fruits.
ii. Treatments:	
Farmers Practice (FP):	Application of N:P: K@80:40:40 kg/ha
Technology option-I (TO-I):	Foliar application of mixture of nutrients involving Zn, Mo, Cu, Fe & Mn(100 ppm each)
Technology option-II (TO-II):	Combined foliar application of micronutrients B and Zn @ 100 ppm each
Critical Inputs	Mixture of micro-nutrients
Unit Size	0.4 ha
No of Replications	7
Unit Cost	500
Total Cost	3500
Monitoring Indicator	Weight of Fruit, No. of fruit/Plant, Yield (q/ha), Net return (Rs/ha), B:C ratio
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	OUAT, Annual Report, 2014-15, IIVR, Annual Report, 2017-18

OFT -10 Assessments of different Garlic Varieties for higher yield.

Code	24OHO10(R)
Season	Rabi,2024-25
Title of the OFT	Assessment of different Garlic Varieties for higher yield.
Thematic Area	Varietal evaluation
Problem diagnosed	Low yield
Important Cause	Cultivation of locally available cloves
Production system	Vegetables-Vegetables
Micro farming system	Irrigated-up land
Technology for Testing	Different Garlic Varieties for higher yield
Existing Practice	Cultivation of locally available cloves
Hypothesis	Cultivation of HYV of garlic will increase the production & productivity.
Objective(s)	To increase the yield of Garlic
i. Treatments:	
Farmers Practice (FP):	Cultivation of locally available cloves.
Technology option-I (TO-I):	Cultivation of Yamuna Safed-3
Technology option-II (TO-II):	Cultivation of Agri found White
Critical Inputs	Seed(Cloves)
Unit Size	0.4 ha
No of Replications	7
Unit Cost	800
Total Cost	5600
Monitoring Indicator	Days to mature (days), Bulb diameter (cm), Number of cloves (no.)/ plant, Avg. Bulb Weight (g), Yield q/ha
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	Source: NHRDF -2015

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	Capacity building, skilling, agro-enterprises & entrepreneurship development Funded by OMBADC	100 lakhs
2		

10. No. of success stories proposed to be developed with their tentative titles : 2

1. Vermicomposting new avenues for tribal WSHGs
2. Mushroom Cultivation by Tribal Women SHGs

11. Scientific Advisory Committee

Date of SAC meeting held during 2024	Proposed date during 2024
20/1/2024	January 2025

12. Soil and water testing

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000										45	1000
Water Samples												
Other (Please specify)												
Total	1000										45	1000

13. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.)	Expected fund Requirement (Rs.)
KVK Contingency	15,48,000	16,00,000
Tribal Sub Plan (TSP)	10,62,000	12,00,000
HRD	30,000	30,000
TA	1,50,000	2,50,000
Non-Recurring		
1). Furniture & Equipment	1,00,000	5,00,000
2). Library	10,000	0
3). Vehicle (New Tractor)	0	
4) Works		
Farmers Hostel 2 nd & Final Installment	60,00,000	0
Storage Godown	0	0
Bore well & Irrigation System	0	0
Irrigation System	0	0
SCHEMES		
1).a) CFLD Oilseed (Sesame) -Kharif	1,50,000	3,00,000
b) CFLD Oilseed (Groundnut) -Summer	72,000	1,20,000
2). CFLD Pulses (Greengram) -Rabi	0	
3) ASCI (Small Mushroom Grower)	0	
4) Swachhata	34,000	40,000
5) GaribKalyan		
6) KissanBhagidari		
7) Agri-startup Conclave & PM Kisan Sammelan	0	
8) Scientific Bee Keeping	2,94,125	
9) CoE for FPO	48,480	31,520
TOTAL		

14. 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, Sundargarh-I