ACTION PLAN

2024

ICAR

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

କୃଷି ବିଜ୍ଞାନ କେନ୍ଦ୍ର

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NAYAGARH

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3.Training programme to be organized

(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
IPM	Integrated management of stem borer and leaf folder in rice	1	1	Off	July,2024	2	0	1	0	14	8	17	8	25
IPM	Integrated management of fruit fly in vegetables	1	1	Off	Aug,2024	3	0	2	0	20	0	25	0	25
IDM	Integrated Management of wilt disease in solanaceous crops	1	1	Off	Sept,2024	2	1	2	1	18	1	22	3	25
IDM	Integrated disease management in sugarcane	1	1	Off	Aug,2024	3	2	2	1	15	2	20	5	25
IPM	Integrated management of Fall Army Worm in sweet corn	1	1	Off	Nov,2024	2	2	1	2	16	2	19	6	25

IDM	Integrated disease management of greengram	1	1	Off	Nov, 2024	3	0	2	0	20	0	25	0	25
IPM	Integrated pest management of BPH in rice	1	1	Off	Oct,2024	2	0	1	0	22	0	25	0	25
IPM	Integrated management of sucking pest in vegetables	1	1	Off	Dec,2024	2	1	1	1	18	2	21	4	25
Farm Mechanization	Different staking methods for pointed gourd cultivation	1	1	Off	May, 2024	1	0	5	7	9	3	15	10	25
Farm Mechanization	Use of Agricultural Drone sprayer for control of stem borer in paddy	1	1	Off	June, 2024	2	0	3	0	20	0	25	0	25
Plasticulture Application	Use of plastics in farming practices	1	1	Off	July, 2024	2	2	5	5	8	3	15	10	25
Farm Mechanization	Use of small tools and implements for vegetable crops	1	1	Off	Aug, 2024	0	2	0	3	0	20	0	25	25
Farm Mechanization	Packaging materials for kanteimundi brinjal	1	1	Off	Sep, 2024	0	2	0	3	0	20	0	25	25
Small scale processing and value addition	Preparation of quality sugarcane Jaggery.	1	1	Off	Oct, 2024	5	1	1	3	14	1	20	5	25
Farm Mechanization	Use of Tractor Operated Seed drill for sowing of greengram	1	1	Off	Nov,2024	2	2	5	5	8	3	15	10	25
Post - Harvest Technology	Mechanized threshing of pulses	1	1	Off	Dec, 2024	2	1	3	0	14	5	19	6	25
Income generation	Scientific techniques on cultivation of	1	1	Off	July.24	0	1	0	0	0	24	0	25	25

	Paddy straw mushroom using crumpled straw.													
Nutrition management	Household food security by kitchen gardening and nutrition gardening	1	1	Off	July.24	0	2	0	2	0	21	0	25	25
Nutrition management	Scientific technique of backyard drumstick cultivation to address malnutrition.	1	1	Off	Aug.24	0	2	0	3	0	20	0	25	25
Income Generation	Techniques of humidity management in paddy straw mushroom production	1	1	Off	Aug.24	0	3	0	2	0	20	0	25	25
Organic manure production	Scientific methods of vermicomposting from spent mushroom substrate	1	1	Off	Sep.24	0	2	0	5	0	18	0	25	25
Income Generation	Rearing of poultry bird in backyard	1	1	Off	Sep.24	0	5	0	7	0	13	0	25	25
Value Addition	Preparation of Ragi Malt powder	1	1	Off	Oct.24	0	1	0	1	0	23	0	25	25
Value Addition	Scientific process of preparation of dried Oyster mushroom	1	1	Off	Nov. 24	0	7	0	5	0	13	0	25	25
Agroforestry management	Preparation and management of Horti-silvi Agroforestry model	01	01	Off	July, 2024	3	2	0	0	16	4	19	6	25
Nursery management	Management of aromatic plants in the nursery	01	01	Off	July, 2024	2	0	3	0	20	0	25	0	25
Fruit production	Silvicultural operations in	01	01	Off	Aug, 2024	2	0	3	0	20	0	25	0	25

	fruit-based Agroforestry model													
Propagation management	Propagation techniques of important forest trees	01	01	Off	Aug, 2024	2	0	3	0	20	0	25	0	25
Production and use of organic inputs	Vermicomposting and its preparation	01	01	Off	Sept, 2024	2	2	0	0	18	3	20	5	25
Value addition	Collection and processing of forest leaves for income generation	01	01	Off	Oct, 2024	4	1	3	3	12	2	19	6	25
Agroforestry management	Agroforestry practices for soil conservation	01	01	Off	Nov, 2024	3	2	0	0	15	5	19	6	25
Agroforestry management	Adaptability of different medicinal herbs in forest plantation	01	01	Off	Dec, 2024	2	2	0	0	18	3	20	5	25
Crop management	Importance of seed treatment for enhancing pulse productivity	01	01	Off	July, 2024	4	2	4	2	10	3	18	7	25
Weed management	Management of weed infestation in kharif pulses.	01	01	Off	July, 2024	4	2	4	2	10	3	18	7	25
ICT	Application of mobile based agriculture app for technology dissemination and adoption	01	01	Off	August, 2024	4	2	4	2	10	3	18	7	25
Crop diversification	Production of high value crops in underutilized wasteland	01	01	Off	Aug, 2024	4	2	4	2	10	3	18	7	25
Micro nutrient deficiency in crops	Importance of micronutrients in oilseed crops	01	01	Off	Sept, 2024	4	2	4	2	10	3	18	7	25
Resource Conservation	Moisture conservation practices for	01	01	Off	Sept, 2024	4	2	4	2	10	3	18	7	25

Technologies	sustainable agriculture.													
Crop management	Suitable high yielding Greengram varieties in rice-fallow cropping system.	01	01	Off	Oct, 2024	4	2	4	2	10	3	18	7	25
Post-harvest	Post-harvest practices to manage storage grain pest in pulses	01	01	Off	Oct, 2024	4	2	4	2	10	3	18	7	25
Fish health management	Different anti-ectoparasitic formulations for control of Anchor worm & carp lice	1	1	Off	April,2024	2	1	3	0	14	5	19	6	25
Natural Aqua Farming	Suitable combination for natural fish farming	1	1	Off	Dec, 2024	2	1	3	0	14	5	19	6	25
Fish health management	Fish diseases and its management	1	1	Off	Jun,2024	1	0	4	2	14	4	19	6	25
Varietal Intervention	Genetically Improved (GI) catla in composite carp culture	1	1	Off	Nov, 2024	1	0	4	2	14	4	19	6	25
IMC	Polyculture of CIFA-GI Scampi/ Freshwater Prawn with Carps	1	1	Off	Dec, 2024	1	0	4	2	14	4	19	6	25

(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
Protected cultivation	Management of Viral disease in vegetable crop		2	ON	Sept,2024	2	1	1	1	13	2	16	4	20

Protected cultivation	IPDM in protected cultivation	1	2	ON	Nov,2024	2	1	1	1	13	2	16	4	20
Bee keeping	Scientific bee keeping	1	5	ON	Nov,24	2	1	1	1	13	2	16	4	20
Hi-tech Horticulture	Hi-Tech horticulture	1	2	ON	Aug,2024	10	1	3	1	5	0	18	2	20
Entrepreneurship development	Small scale processing and value addition of Sugarcane	1	2	ON	Sep, 2024	1	1	1	1	15	1	17	3	20
Entrepreneurship development	Production of off-season vegetable seedling in protected cultivation	1	5	ON	Nov, 2024	3	3	2	4	5	2	11	9	20
Value addition	Value addition of fruits and vegetables	1	2	ON	Aug.24	1	2	1	3	4	9	6	14	20
Value addition	Value addition of mushroom	1	2	ON	Dec.24	1	2	0	0	7	10	8	12	20
Income generation	Scientific method of Mushroom Spawn Production	1	5	ON	July.24	3	2	5	3	2	5	10	10	20
Nursery management	Identification of different aromatic plants and their management	1	2	ON	Aug,2024	2	0	0	0	14	6	14	6	20
Agroforestry management	Management of cultivation practices of different agroforestry models	1	2	ON	Oct, 2024	2	0	0	0	17	3	17	3	20
Income generation	Identification, propagation and management of bamboo species for income generation	1	5	ON	Sept,2024	3	0	2	0	15	0	20	0	20
Income generation	Entrepreneurship development in agriculture & allied sector	1	2	ON	Sept,2024	4	3	3	3	5	2	12	8	20
Income generation	Small scale poultry rearing unit for income generation	1	5	ON	Nov, 2024	4	3	3	3	5	2	12	8	20
Integrated fish	Integrated fish	1	2	ON	Sep, 2024	7	0	3	0	10	0	20	0	20

farming	farming													
Fish seed production	Fish seed production	1	5	ON	Mar, 2024	2	0	1	0	17	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
IPM	Non chemical method of pest management in vegetable and pulse crop	1	2	OFF	Sept,2024	1	1	1	0	15	2	17	3	20
Farm Mechanization	Care and maintenance of farm machinery and implements	1	2	OFF	Sep, 2024	7	0	3	0	10	0	20	0	20
Nutritional security	Enhancement of ragi to combat malnutrition	1	2	OFF	Nov,2024	0	2	0	1	0	17	0	20	20
Tree management	Tree management in agroforestry system	1	1	OFF	Nov,2024	4	0	1	0	12	3	16	4	20
Capacity building	Role and responsibilities of grass root workers in technology transfer.	1	1	OFF	Sept, 2024	3	2	3	2	7	3	13	7	20
Group Dynamics and farmers organization	Resource mobilization and development of business plan for smooth management of FPOs	1	2	OFF	Dec, 2024	3	2	3	2	7	3	13	7	20
Composite fish culture	Scientific ways of Composite fish culture	1	2	OFF	July, 2024	7	0	3	0	10	0	20	0	20

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

Farmers and Farm women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	4	2	6	4	2	6	10	3	13	18	7	25
Resource Conservation Technologies	1	4	2	6	4	2	6	10	3	13	18	7	25
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2	8	4	12	8	4	12	20	6	26	36	14	50
Fodder production													
Production of organic inputs													
Others, if any (Climate smart agriculture)													
TOTAL	**4**	**16**	**8**	**24**	**16**	**8**	**24**	**40**	**12**	**52**	**72**	**28**	**100**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	1	4	2	6	4	2	6	10	3	13	18	7	25
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	**1**	**4**	**2**	**6**	**4**	**2**	**6**	**10**	**3**	**13**	**18**	**7**	**25**
b) Fruits													
Training and Pruning													
Layout and Management of													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition	1	4	2	6	4	2	6	10	3	13	18	7	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL	**1**	**4**	**2**	**6**	**4**	**2**	**6**	**10**	**3**	**13**	**18**	**7**	**25**
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops	1	4	2	6	4	2	6	10	3	13	18	7	25
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL	**1**	**4**	**2**	**6**	**4**	**2**	**6**	**10**	**3**	**13**	**18**	**7**	**25**
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	0	41	41	0	4	4	0	5	5	0	50	50
Design and development of low/minimum cost diet													
Designing development for nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
Value addition	2	0	36	36	0	8	8	0	6	6	0	50	50
Income generation activities for empowerment of rural Women	3	0	52	52	0	10	10	0	13	13	0	75	75
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any(organic manure production)	1	0	18	18	0	2	2	0	5	5	0	25	25
TOTAL	**8**	**0**	**147**	**147**	**0**	**24**	**24**	**0**	**29**	**29**	**0**	**200**	**200**
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	2	2	4	5	5	10	8	3	11	15	10	25
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition	1	5	1	6	1	3	4	14	1	15	20	5	25
Post Harvest Technology	1	2	1	3	3	0	3	14	5	19	19	6	25
Others, if any (Farm mechanization)	5	5	6	11	13	18	31	37	46	83	55	70	125
TOTAL	**8**	**14**	**10**	**24**	**22**	**26**	**48**	**73**	**55**	**128**	**109**		
VII. Plant Protection													
Integrated Pest Management	5	90	12	102	11	3	14	6	3	9	107	18	125
Integrated Disease Management	3	53	3	56	8	3	11	6	2	8	67	8	75
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**8**	**143**	**15**	**158**	**19**	**6**	**25**	**12**	**5**	**17**	**174**	**26**	**200**
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
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 (Fish health management)	2	3	1	4	7	2	9	28	9	37	38	12	50
Others, if any (Varietal evaluation)	1	1	0	1	4	2	6	14	4	18	19	6	25
Others, if any (Natural aqua farming)	1	2	1	3	3	0	3	14	5	19	19	6	25
Others, if any (IMC)	1	1	0	1	4	2	6	14	4	18	19	6	25
TOTAL	**5**	**7**	**2**	**9**	**18**	**6**	**24**	**70**	**22**	**92**	**95**	**30**	**125**
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			OTHER					
		M	F	T	M	F	T	M	F	T	M	F	T
WTO and IPR issues													
Others, if any (ICT)	1	4	2	6	4	2	6	10	3	13	18	7	25
TOTAL	**1**	**4**	**2**	**6**	**4**	**2**	**6**	**10**	**3**	**13**	**18**	**7**	**25**
XI Agro-forestry													
Production technologies	1	3	2	5	1	2	3	15	2	17	19	6	25
Nursery management	1	2	0	2	3	0	3	18	2	20	23	2	25
Agroforestry management	3	8	6	14	0	0	0	49	12	61	57	18	75
Propagation methodology	1	2	4	6	3	3	6	11	2	16	9	25	25
Tree management	1	6	01	07	01	01	02	13	03	16	20	05	25
Value addition	1	5	2	7	0	1	1	15	2	17	20	5	25
TOTAL													
XII. Others (Pl. Specify)													
TOTAL	**8**	**26**	**15**	**41**	**8**	**7**	**15**	**121**	**23**	**147**	**148**	**61**	**200**

Rural youth

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil fertility & management													
Mushroom Production	1	0	12	12	0	5	5	0	3	3	0	20	20
Bee-keeping	1	12	2	14	2	1	3	2	1	3	16	4	20
Integrated pest management													
Integrated farming													
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	2	26	4	30	4	2	6	2	2	4	32	8	40
Hi-tech horticulture	1	10	1	11	3	1	4	5	0	5	18	2	20
Commercial fruit production													
Repair and maintenance of farm machinery and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	1	2	0	2	1	0	1	15	2	17	18	2	20
Training and pruning of orchards													
Value addition	2	0	25	25	0	5	5	0	10	10	0	40	40
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	3	4	7	3	3	6	5	2	7	11	9	20
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing	1	2	0	2	1	0	1	17	0	17	20	0	20
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	3	8	8	16	6	8	14	25	5	30	39	21	60
Agroforestry management	1	6	2	8	3	1	4	8	0	8	17	3	20
Others if any (Income generation)	1	3	0	3	2	0	2	15	0	15	20	0	20
Integrated fish	1	7	0	7	3	0	3	10	0	10	20	0	20

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
farming													
TOTAL	**16**	**79**	**58**	**137**	**28**	**26**	**54**	**104**	**25**	**129**	**211**	**109**	**320**

Extension functionaries

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		SC			ST			Others					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops (Soil fertility)	1	3	0	3	1	0	1	13	3	16	17	3	20
Integrated Pest Management	1	15	2	17	1	1	2	1	0	1	17	3	20
Bio-pest management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1	0	12	12	0	4	4	0	4	4	0	20	20
Farm mechanization	1	7	0	7	3	0	3	10	0	10	20	0	20
Protected cultivation technology													
Formation Management of SHG													
Group Dynamics and farmers organization	1	3	2	5	3	2	5	7	3	10	13	7	20
Information networking among farmers													
Capacity building for ICT application	1	3	2	5	3	2	5	7	3	10	13	7	20
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													
Composite fish Culture	1	7	0	7	3	0	3	10	0	10	20	0	20
Tree management	1	3	0	3	1	0	1	14	2	16	15	5	20
TOTAL	**7**	**38**	**18**	**56**	**14**	**9**	**23**	**49**	**12**	**61**	**98**	**42**	**140**

4. Frontline demonstration to be conducted*

FLD-1 (Code - 24FPP05(K)	**Demonstration on Integrated management of stem borer and leaf folder in rice**
Crop:	Paddy
Thrust Area:	IPM
Thematic Area:	IPM
Season:	Kharif 2024
Farming Situation:	Paddy-greengram

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy Kharif	2/10	Nursery treatment with Chlorantraniliprole 0.4G @ 400 g/40m^2, Fixing of Pheromone traps 25 nos./ha at 15 to 20 DAT, Alternate	Pest incidences (%), Yield, ICBR and farmers' feedback	Chlorantraniliprole 0.4G, Pheromone traps, Fipronil 5SC, Cartap hydrochloride 50 SP	1600/unit	1300/unit	2	0	1	0	7	0	10	0	10

			spraying of Fipronil 5SC @ 1250 ml/ha and Cartap hydrochloride 50 SP @ 750 g/ha starting from 25 DAT													

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 management of stem borer and leaf folder in rice	1	F/FW	1	Off	2	0	1	0	22	0	25	0	25
Field day	Management of stem borer and leaf folder in rice	1	F/FW	1	Off	4	2	1	1	20	2	25	5	30

FLD-2 Code-23FPP31 (K)	**Demonstration on Integrated management of fruit fly in Bittergourd**
Crop	Bittergourd
Thrust Area	IPM
Thematic Area	IPM
Season	Kharif 2024
Farming Situation	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	Bitter gourd Kharif	1/10	Installation of Pheromone trap with Cuelure @ 20 nos./ha, Spot application of Poison bait (Jaggery 100 g + 2 gm Cartap hydrochloride 50 % SP and water 1L) and spraying of Deltamethrin 2.8 EC @ 1ml/L + 1% jaggery at 45, 60 and 75 DAG	Fruit infestation (%),Yield, ICBR and farmers' feedback	Pheromone trap with Cuelure , Jaggery Cartap hydrochloride 50 SP, Deltamethrin 2.8 EC	1200/unit	800/unit	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	Integrated management of fruit fly in vegetables	1	F/FW	1	Off	3	2	2	1	15	2	20	5	25
Field day	Integrated management of fruit fly in bitter gourd	1	F/FW	1	Off	3	2	3	2	18	2	24	6	30

FLD-3 (Code 24FPP17(R)	**Demonstration on Integrated management of sucking pest in vegetables**
Crop	Brinjal
Thrust Area	IPM
Thematic Area	IPM
Season	Rabi 2024-25
Farming Situation	Vegetable-vegetable

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Brinjal Rabi	1/10	Installation of Yellow sticky traps @ 50 nos./ha at 30 DAT, alternate spraying of Neem oil 300 ppm @ 2.5 l/ha and (Spirotetramat 11.01 + Imidacloprid 11.01 SC) @ 500 ml/ha at 10 days interval starting from 40 DAT	Mean population of white fly, Mites & Jassids/ 3 leaves, Yield, ICBR and farmers' feedback	Yellow sticky trap, Neem oil 300 ppm ,(Spirotetram at 11.01 + Imidacloprid 11.01 SC)	2000/unit	1500/unit	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	Integrated management of sucking pest in vegetables	1	F/FW	1	on	2	1	1	1	18	2	21	4	25
Field day	Integrated management of sucking pest in brinjal	1	F/FW	1	Off	2	2	1	1	20	4	23	7	30
Training	Management of Viral disease in vegetable crop	1	RY	2	On	2	1	1	1	13	2	16	4	20
Training	Non chemical method of pest management in vegetable and pulse crop	1	EF	2	off	1	1	1	0	15	2	17	3	20

FLD-4 (Code - 24FPP10(R)	**Title -** Demonstration on IDM (MYMV, Wilt & Powdery Mildew) strategies in Greengram
Crop	Greengram
Thrust Area	IDM
Thematic Area	IDM
Season	Rabi 2024-25
Farming Situation	Paddy-greengram

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Greengram	2/10	Soil treatment with OKT-G @ 10 kg/ha with 100 kg FYM, seed treatment with Imidacloprid 600 FS @ 5 ml/kg of seed, Fixing of yellow sticky traps @ 50 nos./ha, alternate spraying of (Carbendazim + Mancozeb) @ 1 kg/ha and Propiconazole 25EC @ 500 ml/ha at 10 days interval starting from 30 DAS	PDI (%),Yield, ICBR and farmers' feedback.	Trichoderma (OKT-G) Imidacloprid 600 FS, yellow sticky trap, (Carbendazim + Mancozeb) Propiconazole 25EC	1400/unit	1000/unit	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	Integrated disease management of greengram	1	F/FW	1	Off	2	2	1	2	16	2	19	6	25
Field day	Integrated disease management strategies in greengram	1	F/FW	1	Off	1	1	2	2	22	2	25	5	30

FLD-5 (Code-24FAE06(K)	**Demonstration of staking methods in pointed gourd**
Crop	Pointed Gourd
Thrust Area	Application of Plastics in Agriculture
Thematic Area	Plasticulture Application
Season	Kharif 2024
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	Pointed Gourd	10 units	Trellis System in pointed gourd using Fish Net as staking material	Operational Cost Saving (Rs/ha), Yield (q/ha), B:C Ratio	Fish net	300/unit	500/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	Different Staking methods for pointed gourd cultivation	1	F/FW	1	Off	2	2	5	5	8	3	15	10	25
Field Day	Field day on Staking methods for pointed gourd	1	F/FW, IS	1	Off	7	3	2	2	8	10	15	15	30
Farm Field School	Staking methods for pointed gourd	1	F/FW	1	Off	2	3	6	2	8	9	16	14	30

FLD-6 (Code-24FAE07(K)	**Demonstration of Agricultural Drone sprayer for control of stem borer in paddy**
Crop	Rice
Thrust Area	Farm Mechanization in agriculture
Thematic Area	Farm Mechanization
Season	Kharif, 2024
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	Rice	2ha.	Agriculture Drone Spraying height-3 meter above the crop	Capacity (ha/h), Time saving (h/ha), Cost saving (Rs/ha),	-	-	-	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	Use on Agricultural Drone sprayer for control of stem borer in paddy	1	F&FW	1 day	Off	2	2	10	6	3	2	15	10	25
Field day	Field day on Agricultural Drone sprayer for control of stem borer in paddy	1	F&FW, IS	1 day	Off	2	1	3	2	15	2	15	5	20

FLD-7 (Code-23FAE14(R)	**Demonstration on tractor operated multi-crop thresher in greengram**
Crop	Pulse
Thrust Area	Application of farm implements in Agriculture
Thematic Area	Post -Harvest Technology
Season	Rabi, 2024-25
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	Pulse	10 unit	Tractor operated muti-crop thresher, Threshing capacity- 3000 - 5000 kg/hr, Tractor- 35 HP Tractor	Threshing Efficiency (%), Labour Requirement (MDs/ha)	Tractor operated muti crop thresher	1000/unit	200/unit	1	0	0	1	8	0	9	1	10

			or Above)													

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	Mechanized pulse thresher	1	F/FW	1	Off	0	2	0	3	0	20	0	25	25
Field Day	Field day on pulse thresher.	1	F/FW, IS	1	Off	8	4	2	2	10	6	20	10	30

FLD-8 (Code-23FAE15(R)	**Demonstration on preparation of sugarcane jaggery**
Crop	Sugarcane
Thrust Area	Small scale processing and value addition of sugarcane
Thematic Area	Value Addition
Season	Rabi 2024-25
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	Sugarcane	10nos.	(Ladies finger stem extract-500ml/500 litrs of sugarcane juice Sodium hydrous powder-15 ppm (0.014 g/lit))	Colour, Texture, Shelf Life	Ladies finger stem extract and Sodium hydrous powder	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	Preparation of sugarcane jaggery	1	F/FW	1	Off	2	2	5	6	6	4	13	12	25
Field Day	Sugarcane jaggery preparation	1	F/FW, IS	1	Off	1	1	2	1	9	6	12	8	20

FLD-9 (Code-24FHS05(K/R)	**Demonstration on backyard drumstick cultivation to address malnutrition**
Crop:	Drumstick
Thrust Area:	Nutritional Security
Thematic Area:	Nutri rich vegetables
Season:	Kharif 2024
Farming Situation:	Backyard

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Drumstick	10 units	**(**Spacing: 5 ft. x 7 ft.; plant height:8-10 ft; Harvested at 6 months; Fruits are fleshy & tasty; Fruits & leaves are rich in vitamins & minerals) (Variety**:ODC 3**) **(Source-Indian Agri Farm, 2017)**	Yield, Net Income, BC ratio	Seedling				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 technique of backyard drumstick cultivation to address malnutrition.	1	F/FW	1	Off	-	3		1		21		25	25
Field Day	Field Day on Scientific technique of backyard drumstick cultivation.	1	F/FW	1	Off	-	5	-	2	-	23	-	30	30
Farm field school	Scientific technique of backyard drumstick cultivation	1	F/FW	1	Off	4	4	1	3	5	13	10	20	30

FLD-10 (Code-23FHS23R)	**Demonstration on Ragi Malt powder for nutritional security**
Crop:	Ragi
Thrust Area:	Nutritional security of farm families.
Thematic Area:	Processing & Value addition
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
1	Ragi	10unit	(Soaking (4 hr), germination at room temp in moist cloth, drying(50 °C for 8 hr), roasting, and milling (Source: AICRP on Post Harvest Technology, OUAT, 2012)	Shelf life, palatability, cost of production , net profit, B C Ratio	Ragi, milk powder, sugar, salt, packaging materials	1000 /unit	500/ 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	Preparation of Ragi Malt powder	1	F/FW	1	Off	-	4		1		20		25	25
Field Day	Field Day on Preparation of Ragi Malt powder	1	F/FW	1	Off	-	4	-	3	-	23		30	30
Farm field school	Preparation of Ragi Malt powder	1	F/FW	1	Off	4	4	1	3	5	13	10	20	30

FLD-11 (Code-24FHS07 (R))	**Demonstration on preparation of dried Oyster mushroom to address distress sale**
Crop:	Oyster mushroom
Thrust Area:	Mushroom production
Thematic Area:	Value addition
Season:	Rabi -2024-25
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								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1	Oyster mushroom	10 units	(Blanching: It was done in boiling water for 2-3 minutes. Immediately, the blanched mushrooms were cooled under running tap water for 10 minutes and dried under sun light at 38-40^{0}C with relative humidity 78-80 per cent for 3 consecutive days.) **Source: Annual Report, KVK, Palamau, 2012**	Shelf life(days), Sensory Evaluation (0–9-point hedonic scale), Net Return (Rs.), B:C ratio	Potassium metabisulphite, Polythene				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								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training	Scientific process of preparation of dried Oyster mushroom	1	F/FW	1	Off	3	2	1	1	5	13	9	16	25
Field Day	Field day on Scientific process of preparation of dried Oyster mushroom	1	F/FW	1	Off	4	2	2	1	10	11	16	14	30
Farm field school	Scientific process of preparation of dried Oyster mushroom	1	F/FW	1	Off	2	4	2	9	9	4	13	17	30

FLD-12 (Code-23FAS01 (K/R)*	**Demonstration on poultry breed OUAT Kalinga Pallishree in backyard.**
Enterprise	Poultry
Thrust Area:	Low family income
Thematic Area:	Income generation
Season:	Rabi, 2024-25
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	Rearing of Kalinga Pallishree chicken breed with proper brooding management for 21 days followed by free range feeding)	Body weight at 1month, 2month, 4months, 6 months in kg. and age of laying, annual egg production, morbidity rate during extreme heat condition	Pallishree chicks	200/unit	100/unit		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								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
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 Pallishree 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

FLD-13 (Code- 24FAF01(K)	**Demonstration of Lemongrass in undulated wasteland (*Cymbopogon citratus*)**
Crop	Lemon grass
Thrust Area	Conservation of bio-diversity of forest areas

Thematic Area	Production technologies
Season	Kharif, 2024
Farming Situation	Rainfed Forest 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.	Lemon grass	0.4	Demonstration of lemon grass (*Cymbopogon citratus*)	No of Tiller/clumps Plant height (cm) Herb Yield(t/ha)	Lemon grass slip (Var. Sugandhi)	17500	9500	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	Extraction of oil from lemon grass herbs	1	F/FW	1	Off	10	5	10	5	15	5	35	15	50
Field Day	Demonstration of lemon grass (*Cymbopogon citratus*)	1	F/FW	1	Off	10	5	10	5	15	5	35	15	50

FLD-14 (Code-24FAF02(K)	**Demonstration of MPT *Gliricidia* in Nayagarh district**
Crop	Gliricidia
Thrust Area	Production technologies
Thematic Area	Production technologies
Season	Kharif 2024
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	Gliricidia	0.4	Healthy planting materials of Gliricidia are		Gliricidia saplings	10000	-	2	1	1	1	4	1	7	3	10

			planted at a spacing of 3x3 m.													

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	Agroforestry practices for soil conservation	25	F&FW	1 day	Off	3	2	0	0	15	5	19	6	25

FLD-15 (Code-24FAF03(K/R)	**Demonstration on Vermicomposting by forest species**
Crop	Sal
Thrust Area	Recycling of forest waste
Thematic Area	Vermicompost technology
Season	Rabi 2024-25
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	Sal	10 unit	Vermicomposting from cow dung+ Sal	Yield (q/ha) NPK (%)	cow dung+ Forest Species leaves substrate	15000	6500	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	Vermicomposting and its preparation	1	F/FW	1	Off	2	2	0	0	18	3	20	5	25

FLD-16 (Code-24FAF04(K/R)	**Demonstration on Leaf plate making by mechanical operation**
Crop	Sal (*Shorea robusta)*
Thrust Area	Value addition
Thematic Area	Income generation
Season	Rabi 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	Sal leaves	30 unit	Leaf plate making by mechanical operation	Leaf plate /household/ yr	Sal leaves	1,00,000	45,000	05	04	05	05	05	06	15	15	30

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	Collection and processing of forest leaves for income generation	25 no.	F&FW	1 day	On	4	1	3	3	12	2	19	6	25

FLD-17 **(Code:23FEE03(Y)**	**Demonstration on transfer of technology through harnessing human values in agriculture**
Crop	--
Thrust Area	Recognition of social capital for strengthening public extension system
Thematic Area	Extension Management
Season	2024
Farming Situation	--

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Transfer of technology through harnessing human values	--	Demonstration on transfer of technology through harnessing human values in agriculture	Technology Adoption (%) Dissemination of technology (%) Horizontal spread (%) Information	--	--	--	4	0	4	0	10	2	18	2	20

				sharing as resource person(%)											

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
-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

FLD- 18 (Code:23FEE02(Y)*	**Demonstration of usefulness of crop calendar for improving technical knowledge of farmers and application of technology.**
Crop	Greengram
Thrust Area	Technology transfer through Print media
Thematic Area	Effectiveness of crop calendar
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	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Green	--	Providing crop calendar with technology specific informative messages (pictorial) for enhancing technical know how	Usefulness of the calendar(%) Knowledge gained(%) Production enhanced (%)	Crop calendar	--	--	10	0	10	0	10	0	30	0	30

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	Demonstration of usefulness of crop calendar for improving technical knowledge of farmers and	1	F/FW	1day	Off	10	5	10	5	15	5	35	15	50

	application of technology.													

FLD-19 (Code- 24FPP31 (R)*	**Demonstration on management of fruit-fly in Mango**
Crop	Mango
Thrust Area	Crop management
Thematic Area	Integrated pest management
Season	Rabi, 2024-25
Farming Situation	Irrigated upland

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1.	Mango	2.0	Ploughing the top soil to a depth of 10 cm, destroying all fallen fruits at weekly intervals, installation of 15 nos. of Methyl Eugenol Plywood traps/ha during fruit development stage. Alternate spraying of Deltamethrin 2.8 EC @ 0.5 ml/l & Azadirachtin (0.3%) 2 ml/l in 10 days interval before three weeks of harvest	No. of fallen fruits/plant, No. of infested fruits (%), Cost of intervention, Yield, ICBR and farmers' feedback	Methyl Eugenol Plywood traps Deltamethrin 2.8 EC Azadirachtin (0.3%)	15000	--	3	0	3	0	4	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	Demonstration on management of fruit-fly in	2	100	1	Off	20	10	20	10	30	10	70	30	100

	Mango													

FLD- 20 (Code:23FAS08(Y)*	**Demonstration on performance small scale Japanese quail farming at homestead.**
Crop	Japanese Quail
Thrust Area	Diversification of poultry other than chicken
Thematic Area	Quail farming
Season	2024-25
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	Japanese Quail	15	Japanese Quails are comparatively sturdy birds, requires less floor space (3 weeks old quail will be distributed for rearing in homestead). At the age of six weeks, female quails usually weigh 175-200 g and the males weigh about 125-150 g. Female quails start laying eggs at 7 weeks of age and continue utpo 22 weeks of age	Body weight gain in 8 weeks (g) Egg production (No.) Cost of intervention, Net return (Per 20birds) B: C Ratio	Japanese Quail	15000	3500	5	1	2	1	4	2	11	7	15

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field Day	Demonstration on performance small scale Japanese quail farming at homestead.	2	100	1	Off	10	30	10	30	10	10	30	70	100

Impact Study **(Code:24IA/ARYA)**	**Adoption study of technology intervention and upscaling under ARYA**
Crop	ARYA Enterprises
Thrust Area	Impact Study
Thematic Area	Technology upscaling through ARYA
Season	2024-25
Farming Situation	--

Sl No	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	ARYA Enterprises	60	Study will be conducted among the ARYA Youths to visualize the project impact.	Technology adoption (%) Employment generation(No.) Incremental income (Rs.) Horizontal expansion (%)	---	--	--	10	10	10	10	10	10	30	30	60

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

FLD-21 (Code-24FFS01(K)	**Demonstration on GI Scampi in Carp polyculture system**
Crop	Fishery
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Performance
Season	Kharif,2024
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	Fishery	10	Stocking of CIFA-GI Scampi PL@10,000/ha along with carps@6000/h	Survivability, Size, ABW, Yield	GI Scampi	-	-	3	-	0	-	7	-	10	0	10

			a (Catla@3000 Nos, Rohu@2000 Nos, Mrigal@500 Nos and Grass carp@500 Nos)													

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	Polyculture of CIFA-GI Scampi/ Freshwater Prawn with Carps	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

FLD-22 (Code-23FFS09(K)*	**Demonstration of Genetically Improved (GI) Catla in aquaculture**
Crop	Indian Major Carp (IMC)
Thrust Area	Culture based fish Pond
Thematic Area	Varietal Introduction
Season	Kharif, 2024
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	Genetically Improved (GI) Catla	4 Ha. (10nos.)	Culture of genetically improved catla in composite carp culture with species ratio :- GI-Catla: Rohu: Mrigal:3:4:3 @ 10000 nos/ha	Survivability, Size, ABW, Yield	GI Catla fingerling	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
Training	Genetically Improved (GI) catla in composite carp culture	1	F/FW	1	Off	--	--	--	--	19	6	19	6	25
Awareness	SCSP	1	F/FW	1	Off	14	3	2	3	6	2	22	8	30
Booklet	Rural Aquaculture	1	F/FW	1	Off									

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

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

Name of the Crop / Enterprise	Variety / Type	Period from 01.04.2024to 31.03.2025	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	1.0	FS	35.0	82000	136500	54500
Finger millet	Arjun	Rabi	1.0	TL	3.0	12000	19500	7500
Vegetable Seedling	Hybrid & OP	Round the year	100000 nos.	QPM	100000 nos.	75000	250000	175000
Papaya Seedlings	Hybrid & OP	Kharif	2000	Hybrid	2000	20000	50000	30000
Drumstick Seedlings	ODC 3	Kharif	3000 nos.	Hybrid	3000 nos.	15000	45000	30000

Forest /Medicinal Seedlings	Lemon grass, Gliricidia	Kharif		--	15000 nos.	100000	200000	100000
Carp	Rohu (Jayanti, Amur carp, Grass carp	Round the year						
Chicks	Banaraja, Aseel, Kadaknath, Rainbow rooster, Pallishree, RIR	Round the year	--	21days old chicks	4000 no.	145000	280000	135000
Vermicompost	--	Round the year	--	--	80	80000	160000	80000
Vermi wash	--	Round the year	--	--	10 lt.			
vermin		Round the year			20kg	2000	10000	8000
Mushroom spawn		Kharif & Rabi	6000 bottles		6000 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.)	Expected Net Income (Rs.)

i. 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	410	296	706	30	22	28	50	432	324	756
2.	KisanMela	2	240	160	400	25	20	16	36	260	176	436
3.	KisanGhosthi	8	80	80	160	20	5	3	8	85	83	168
4.	Exhibition	4	540	234	774	25	18	12	30	558	246	804
5.	Film Show	25	398	278	676	25	20	15	35	418	293	711
6.	Method Demonstrations	30	230	70	300	25	15	15	30	245	85	330
7.	Farmers Seminar	2	38	22	60	15	8	6	14	46	28	74
8.	Workshop	3	35	23	58	20	6	5	11	41	28	69
9.	Group meetings	8	178	58	236	25	20	12	32	198	70	268

10	Lectures delivered as resource persons	30	600	300	900	25	0	0	0	600	300	900
11	Advisory Services	40	0	0	0	30	0	0	0	0	0	0
12	Scientific visit to farmers field	155	1856	1020	2876	30	85	72	157	1941	1092	3033
13	Farmers visit to KVK	560	346	190	536	35	0	0	0	346	190	536
14	Diagnostic visits	20	248	95	343	20	10	5	15	249	100	349
15	Exposure visits	5	66	34	100	20	1	4	5	67	38	105
16	Ex-trainees Sammelan	3	50	27	77	20	4	2	6	54	29	83
17	Soil health Camp	2	50	50	100	30	3	3	6	53	53	106
18	Animal Health Camp	1	20	30	50	20	2	2	4	22	32	54
19	Agri mobile clinic	25	255	100	355	25	10	14	24	265	114	379
20	Soil test campaigns	2	50	50	100	25	2	2	4	52	52	104
21	Farm Science Club Conveners meet	6	130	50	180	25	5	8	13	135	58	193
22	Self Help Group Conveners meetings	2	0	50	50	25	2	3	5	2	53	55
23	Mahila Mandals Conveners meetings	2	0	50	50	25	2	3	5	2	53	55
24	Celebration of important days (specify)	5	100	50	150	30	10	15	25	110	65	175
25	Sankalp Se Siddhi	-	0	0	0				0	0	0	0
26	Swachhta Hi Sewa	10	200	200	400	30	12	5	17	230	212	442
27	Mahila Kisan Divas	1	0	50	50	20	2	5	7	2	55	57
28	Plant Health	20	420	263	683	25	10	7	17	430	270	700
29	Farm Field School	-	0	0	0	--	0	0	0	0	0	0
30	Innovative farmers documentation	1	15	5	20	10	0	0	0	15	5	20
31	Awareness programme for	2	60	50	110	30	7	5	12	67	55	122

	FPO											
	Total	**994**	**6615**	**3885**	**10500**	**710**	**301**	**267**	**568**	**6925**	**4159**	**11084**

3. Revolving Fund (in Rs.)

Opening balance of (As on 01.04.2023)	Amount proposed to be invested during 2023-24	Expected Return
159318	526856	152447

4. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
INM	Central Govt.	3,00,000
IPM	Central Govt.	5,00,000
PMMSY	Central Govt.	5,00,000
RKVY	State Govt.	20,00,000
ASCI	Central Govt.	4,00,000
ARYA	Central Govt.	10,00,000
NHM	State Govt.	20,00,000

9. On-farm trials to be conducted*

OFT: 1

I.	Season	:	Rabi 2024-25
II.	Title of the OFT	:	**Assessment of Integrated management of sucking pest in okra** **Code-24OPP07(K/R)**
III.	Thematic Area	:	IPM
IV.	Problem diagnosed	:	Incidence of sucking pest like white fly,aphids and jassids in okra greatly reduces the yield
V.	Important cause		Infestation of sucking pest like white fly,aphids and jassids in okra greatly reduces the yield
VI.	Production system	:	Vegetable-Vegetable
VII.	Micro farming system	:	Irrigated upland
VIII.	Technology for Testing	:	IPM in okra
IX.	Existing Practice	:	No seed treatment and spraying of Thiamethoxam 25WG/Acetamiprid 20 SP 500 gm/ha/Imidacloprid 17.8 SL @300 ml/ha/Dimethoate 30 EC @1 lit/ha
X.	Objective(s)	:	To control the sucking pest and enhances the yield in okra cultivation
XI.	Treatments	:	
	Farmers Practice (FP):	:	No seed treatment and spraying of Thiamethoxam 25WG/Acetamiprid 20 SP 500 gm/ha/Imidacloprid 17.8 SL @300 ml/ha/Dimethoate 30 EC @1 lit/ha
	Technology option-I (TO_1)	:	Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @50/ha at 25 DAS, alternate spraying of Afidopyropen 5% g/l DC @ 600 ml/ha and Neem oil 300 PPM @ 1 l/ha starting from 30 DAS
	Technology option-II (TO_2)	:	Seed treatment with Imidacloprid 600 FS @ 5ml/kg of seed, Installation of Yellow Sticky trap @ 50 nos./ha, Alternate spraying of

			Tolfenpyrad 15% EC @ 1000 ml/ha and Neem oil @ 1 l/ha starting from 30 DAS
XII.	Critical Inputs	:	Imidacloprid 600 FS, Yellow Sticky trap, Afidopyropen 5% g/l, Tolfenpyrad 15% EC, Neem oil 300 ppm
XIII.	Unit Size:	:	0.1 ha
XIV.	No of Replications	:	10
XV.	Unit Cost	:	1500
XVI.	Total Cost	:	15000
XVII.	Monitoring Indicator	:	–Mean population of Jassids, Aphids & Whiteflies/ 3 leaves, % of YVMV incidence, Yield, ICBR
VIII.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)		GAU, Anand, 2022 and RVSKVV,Gwalior,2021

OFT-2

I.	Season	:	Rabi 2024-25
II.	Title of the OFT	:	Assessment of IPM Modules for the management of Brinjal fruit and shoot borer **Code-24OPP06(K/R)**
III.	Thematic Area	:	IPM
IV.	Problem diagnosed	:	Incidence of pest like shoot and fruit borer reduces the yield in brinjal
V.	Important cause		Incidence of pest like shoot and fruit borer reduces the yield in brinjal
VI.	Production system	:	Paddy-brinjal
VII.	Micro farming system	:	Irrigated upland
VIII.	Technology for Testing	:	
IX.	Existing practice	:	Spraying of (Chlorpyrifos 50%+Cypermethrin 5 %)//(Triazophos 35%+Deltamethrin 1%)/Profenofos 40%+Cypermethrin 4%) @ 1lit/ha,Carbosulphan 25 EC @ 1lit/ha,Emamectin benzoate 200 gram/ha
X.	Hypothesis		IPM including bio pesticides and pheromone traps with advanced molecules like emamectin benzoate and chlorantraniliprole manage the insect pest effectively and reduces the cost of production and increases the profit by decreasing the infestation of the pest in brinjal
XI.	Objective(s)	:	To reduce the cost of cultivation and popularizing the IPM method of pest control in brinjal
XII.	Treatments	:	
	Farmers Practice (FP):	:	Spraying of (Chlorpyrifos 50%+ Cypermethrin 5 %)/(Triazophos 35%+Deltamethrin 1%)/Profenofos 40%+ Cypermethrin 4%) @ 1lit/ha,Carbosulphan 25 EC @ 1lit/ha,Emamectin benzoate 200 gram/ha
	Technology option-I (TO_1)	:	Erection of Pheromone traps @ 20 nos./ha, release of *T. chilonis* @

			50,000/ha 6 times from 21 DAT at weekly interval, spraying of *Bt* at flowering @ 2ml/l two times in 10 days interval. Spraying of Emamectin benzoate 5% SG @ 200 g/ha at ETL > 5%
	Technology option-II (TO_2)	:	Clipping of infested shoots & fruits regularly, pheromone traps @ 25/ha at 30 DAT, spraying of Azadiractin 1500 ppm @ 3 ml/l at 20 DAT, spraying of Bt @ 2 ml/l twice at 30 DAT and 45 DAT, spraying of Chlorantraniliprole 18.5% SC @ 0.25 ml/l at 60 DAT
XIII.	Critical Inputs	:	Azadiractin 1500 ppm, Chlorantraniliprole 18.5 SC, *T. chilonis*, Bt, Emamectin benzoate 5% SG
XIV.	Unit Size	:	0.1 ha
XV.	No of Replications	:	10
XVI.	Unit Cost	:	2500
XVII.	Total Cost	:	25000
VIII.	Monitoring Indicator		Mean Shoot infestation,Mean fruit infestation,marketable,infested and total fruit yield,ICBR
XIX.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)		OUAT, AR, 2018 and OUAT, AR, 2019

OFT-3

i.	Season	:	*Rabi, 2024*
ii.	Title of the OFT	:	**Assessment of packaging methods for kanteimundi brinjal (Code-24OAE07(R)**
iii.	Thematic Area	:	Post Harvest Technology
iv.	Problem diagnosed	:	Difficulties in plucking of brinjal and transportation of brinjal to long distances
v.	Important Cause	:	Transportation with proper packaging material to improve the consumer acceptance and marketing
vi.	Production system	:	Rice-Vegetable
vii.	Micro farming system	:	Rainfed
viii.	Technology for Testing	:	Packaging methods for transportation
ix.	Existing Practice	:	Gunny bag/ Crate Packing
x.	Hypothesis	:	Thorns causing rupture on the surface of fruit
xi.	Objective(s)	:	To assess different Packaging practices for kanteimundi brinjal

xii.	Treatments:		
	Farmers Practice (FP)	:	Gunny bag packing
	Technology option-I (TO_1)	:	Packing with cardboard
	Technology option-II (TO_2)	:	Packing with white foam net
	Technology option-II (TO3)		Packing with perforated thermocol box
xiii.	Critical Inputs	:	Cardboard, foam net, Perforated thermocol box
xiv.	Unit Size	:	5 unit
xv.	No of Replications	:	4
xvi.	Unit Cost	:	2000
xvii.	Total Cost	:	20000
xviii.	Monitoring Indicator	:	Quality Parameters (Shelf Life and texture)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	AICRP on PHT, CAET, OUAT,2021

OFT-4

i.	Season	:	*Rabi, 2024-25*
ii.	Title of the OFT	:	**Assessment on Tractor Operated Seed drill for green gram sowing (Code-23OAE10(R)**
iii.	Thematic Area	:	Farm Mechanization
iv.	Problem diagnosed	:	Broadcasting seeds with higher seed rate
v.	Important Cause	:	Line sowing, Uniform seed rate, less labour requirement with less time consuming.
vi.	Production system	:	Rice-green gram
vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Tractor operated Seed drill
ix.	Existing Practice	:	Broadcasting method of sowing
x.	Hypothesis	:	Comparatively less time, labour and seed rate will be required for sowing by tractor operated seed drill than conventional method.
xi.	Objective(s)	:	To assess the tractor operated Seed drill for green gram sowing
xii.	Treatments:		
	Farmers Practice (FP)	:	Manually Random broadcasting
	Technology option-I (TO_1)	:	Tractor operated Seed drill with Zero tillage
	Technology option-II (TO_2)	:	Happy seeder
xiii.	Critical Inputs	:	Tractor operated Seed drill/Happy seeder

xiv.	Unit Size	:	10 units
xv.	No of Replications	:	10
xvi.	Unit Cost	:	RS. 1500
xvii.	Total Cost	:	RS. 15000
xviii.	Monitoring Indicator	:	Labour Requirement (MDs/ha), Yield(q/ha), Depth of sowing(cm) Seed rate (Kg/ha)
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	AICRP on FIM, CAET, OUAT

OFT-5

i.	Season	**:**	Kharif 2024
ii.	Title of the OFT	**:**	**Refinement of improved techniques for cultivation of paddy straw mushroom (*Volvariella volvacea*) using crumpled straw. (Code-**23OHS01(K)
iii.	Thematic Area	**:**	Income generation
iv.	Problem diagnosed	**:**	1. Unutilization of crumpled paddy straw. 2. High labour cost & low yield from rectangular size crumpled paddy straw mushroom bed.
v.	Important Cause	**:**	Utilization of crumpled paddy straw with enhanced yield of Paddy Straw mushroom
vi.	Production system	**:**	Homestead
vii.	Micro farming system	**:**	Green shade net house and under the tree
viii.	Technology for Testing	**:**	Shape of bed on yield of paddy straw mushroom
ix.	Existing Practice	**:**	Cultivation of paddy straw mushroom using bundled crumpled paddy straw.
x.	Hypothesis	**:**	Low yield & high labour cost in existing practice.
xi.	Objective(s)	**:**	To assess the shape of bed on yield of paddy straw mushroom
xii.	Treatments:		
	Farmers Practice (FP)	**:**	**Rectangular compact bed size** (45x30x30cm) mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% $CaCo_3$, **14-20 age spawn** at 2% of dry substrate weight and horse gram power (at 3% dry substrate weight)
	Technology option-I (TO_1)	**:**	**Square compact bed size** (45x45x45cm) mushroom production by using crumpled paddy straw 5kg, soaking of straw in water for 5hrs in 2% $CaCo_3$, **14-20 age spawn** at 2% of dry substrate weight and horse gram power (at 3% dry substrate weight)
	Technology option-II (TO_2)	**:**	**Circular compact bed size** (45cm diameter) Mushroom production by using crumpled paddy straw 5kg, soaking of water for 5hrs in 2% $CaCo_3$**,14-20-day age spawn** at 2%of dry substrate

			weight and horse gram power (at 3% dry substrate weight)
xiii.	Critical Inputs	:	Paddy straw mushroom spawn
xiv.	Unit Size	:	450(10 participants @ 45 beds/ unit)
xv.	No of Replications	:	03
xvi.	Unit Cost	:	Rs 1800/-
xvii.	Total Cost	:	Rs 18000/-
xviii.	Monitoring Indicator	:	Pin head appearance (days), Average fruit body Wt. (g), Biological efficiency (%) Net Return (Rs./Bed) B: C ratio.
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	Department of Plant Pathology, TNAU, Coimbatore,2012)

OFT-6

i.	Season	:	Kharif, 2024
ii.	Title of the OFT	:	**Assessment of humidity management in paddy straw mushroom production. (Code-24OHS01(K)**
iii.	Thematic Area	:	Income Generation
iv.	Problem diagnosed	:	Low yield of Paddy straw mushroom
v.	Important Cause	:	Improper moisture management
vi.	Production system	:	Paddy straw mushroom- Oyster mushroom
vii.	Micro farming system	:	Green shade net house
viii.	Technology for Testing	:	Effect of moist sand spreading & effect of fogger with hanging of folding type of gunny bag outside the shade net on production of Paddy straw mushroom.
ix.	Existing Practice	:	Paddy straw mushroom production in Green shade net house or under the tree.
x.	Hypothesis	:	Low yield of Paddy straw mushroom due to low humidity maintenance in existing practice
xi.	Objective(s)	:	To assess the impact of humidity maintenance Paddy straw on mushroom production.
xii.	Treatments:		
	Farmers Practice (FP)	:	PS mushroom production in Green shade net house or under the tree.
	Technology option-I (TO_1)	:	**TO_1:** Mushroom production by using bundled paddy straw substrate (3 layers) with covering the floor **with 2-inch sand in moist condition and spreading wet gunny bag** along the windows/ walls.
	Technology option-II (TO_2)	:	**TO_2:** Mushroom production by using bundled paddy straw substrate (3 layers) with Installation of **Fogger and hanging of folding type of Gunny bag outside the shade net**.
xiii.	Critical Inputs	:	1. Paddy straw mushroom spawn 2. Installation of fogger
xiv.	Unit Size	:	600 (10 participants @ 60 beds)
xv.	No of Replications	:	03
xvi.	Unit Cost	:	Rs 15000/-
xvii.	Total Cost	:	Rs 30000/-
xviii.	Monitoring Indicator	:	Pinhead appearance (days), Average fruit body weight (g), Biological efficiency (%) Net Return (Rs.), B:C ratio
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, specify)	:	**Source: CTMRT, OUAT, 2014**.

OFT-7

i.	Season	:	Kharif, 2024
ii.	Title of the OFT	:	**Assessment of Sweet corn hybrids under Mango farming System (Code-24OAF03(K/R)**
iii.	Thematic Area	:	Agroforestry management
iv.	Problem diagnosed	:	Mono-cropping of tree species which remained vacant
v.	Important Cause	:	Interspaces are unutilized in tree plantation
vi.	Production system	:	Agri-Horti Agroforestry system
vii.	Micro farming system	:	Rain-fed upland
viii.	Technology for Testing	:	Different sweet corn varieties are planted in the interspaces of Mango plantation
ix.	Existing Practice	:	No cultivation practice in mango plantation
x.	Hypothesis	:	Sweetcorn yield can give extra income beside Mango fruits
xi.	Objective(s)	:	To find out the suitable sweet corn varieties that give additional income besides fruit production
xii.	Treatments:		
	Farmers Practice (FP)	:	No cultivation
	Technology Option-I (TO_1)	:	Pusa Super Sweet-corn 1
	Technology Option-II (TO_2)	:	CMVL Sweet-corn 1
xiii.	Critical Inputs	:	Vermicompost, Sweetcorn seeds
xiv.	Unit Size	:	0.4ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	4,000
xvii.	Total Cost	:	40,000
xviii.	Monitoring Indicator	:	No. of cobs/plant, Plant height, Yield
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CAFRI, Jhansi, 2021

OFT: 8

i.	Season	:	Kharif, 2024
ii.	Title of the OFT	:	**Assessment of Spices in Teak based Agroforestry System Code-24OAF02(K/R)**
iii.	Thematic Area	:	Agroforestry Management
iv.	Problem diagnosed	:	Most of the teak plantations are remain vacant and no intercropping is practised in this farming system
v.	Important Cause	:	Interspaced are unutilized in tree plantation
vi.	Production system	:	Agri-silvi Agroforestry system
vii.	Micro farming system	:	Rain-fed upland
viii.	Technology for Testing	:	Planting of Black Turmeric, Ginger in Teak plantation
ix.	Existing Practice	:	No cultivation practice in tree plantation
x.	Hypothesis	:	Intercropping of fruits and spices can increase farm income
xi.	Objective(s)	:	To find out the suitable crops in Teak plantation
xii.	Treatments:		
	Farmers Practice (FP)	:	No practice
	Technology Option-I (TO_1)	:	Black turmeric
	Technology Option-II (TO_2)	:	Ginger
xiii.	Critical Inputs	:	Black turmeric and ginger seeds
xiv.	Unit Size	:	0.4 ha
xv.	No of Replications	:	10
xvi.	Unit Cost	:	5000
xvii.	Total Cost	:	50000
xviii.	Monitoring Indicator	:	Yield
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICFRE, Dehradun Report, 2020

OFT-9

i.	Season	:	Rabi 2024-25
ii.	Title of the OFT	:	Assessment of suitable marketing strategies for better marketing of high value crops (**Code:.23OEE05(Y)***
iii.	Thematic Area	:	Marketing Mechanism
iv.	Problem diagnosed	:	Limited bargaining power results lower return and lack of proper

			marketing strategy,
v.	Important Cause	:	Interference of middle man /local trader in marketing of the produce
vi.	Production system	:	Vegetable-sweetcorn
vii.	Micro farming system	:	irrigated upland
viii.	Technology for Testing	:	Assessment of suitable marketing strategies for better marketing of high value crops
ix.	Existing Practice	:	Produce is sold at local market
x.	Hypothesis	:	Farmers will fetch more price if marketing strategy will be implemented for marketing of the produce.
xi.	Objective(s)	:	To assessment of suitable marketing strategies for better marketing of high value crops
xii.	Treatments:		
	Farmers Practice. (FP)	:	Sell of produce at local market/haat
	Technology Option-I (TO_1)	:	Sell to local traders at the farm gate
	Technology Option-II (TO_2)	:	Fixing a banner at suitable place, preferably at main road indicating the place of production, mentioning the special quality of the produce (Fresh / sweetness /organic etc.) with catchy captions and picture to attract the costumers
xiii.	Critical Inputs	:	Flex/banner for marketing, Interview schedule and farmers feedback
xiv.	Unit Size	:	30 no beneficiaries
xv.	No of Replications	:	
xvi.	Unit Cost	:	1500
xvii.	Total Cost	:	7500
xviii.	Monitoring Indicator	:	Quantity of produce marketed (qtl), price at local market(Rs.) Traders price, sale price at farm gate, Quantity sold by different methods Feedback of customers on the banner
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	-

OFT-10

i.	Season	:	Rabi, 2024-25
ii.	Title of the OFT	:	Assessing efficacy of different channels to get appropriate technology from reliable sources (**Code:.24OEE04(Y)***
iii.	Thematic Area	:	Technology dissemination
iv.	Problem diagnosed	:	Non availability of appropriate technology at farmers door step which needs immediate attention in non-accessible areas
v.	Important Cause	:	Limited access to updated agriculture information
vi.	Production system	:	Rice-pulses

vii.	Micro farming system	:	Rainfed medium land
viii.	Technology for Testing	:	Assessing efficacy of different channels to get appropriate technology from reliable sources
ix.	Existing Practice	:	Farmers –Farmers extension
x.	Hypothesis	:	Timely access to agriculture information will enhance their output/productivity
xi.	Objective(s)	:	To assess the efficacy of different channels to get appropriate technology from reliable sources
xii.	Treatments:		
	Farmers Practice (FP)	:	Farmers –Farmers extension
	Technology Option-I (TO_1)	:	Information access through Print media
	Technology Option-II (TO_2)	:	Information access through Mobile message from govt. sources
	Technology Option-II (TO3)		Information access through Blackboard technology
xiii.	Critical Inputs	:	Interview schedule and farmers feedback
xiv.	Unit Size	:	40 no beneficiaries
xv.	No of Replications	:	--
xvi.	Unit Cost	:	3000
xvii.	Total Cost	:	15000
xviii.	Monitoring Indicator	:	Timely Availability/ delivery of technology, suitability of technology, ease in handling,Complexity cost of technology
xix.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	--

OFT-11

i.	Season	:	*Kharif, 2024*
ii.	Title of the OFT	:	**Assessment of different anti-ectoparasitic formulations for control of Anchor worm & carp lice (Code-23OFS05(Y)***
iii.	Thematic Area	:	Health Management
iv.	Problem diagnosed	:	Less production
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	:	
xiii.	Farmers Practice (FP)	:	Cypermethrin 10% EC / Deltamethrin 2.8% EC@ 0.01 ppm
xiv.	Technology Option-I(TO_1)	:	Ivermectin 2% w/w in fish feed @ 250ppm & fed to the fishes for 4-5 days
xv.	Technology Option-II(TO_2)	:	CIFRI- Argcure (TANDAV) @ 40 ml/acre-m/dose in 3 doses in weekly intervals
xvi.	Critical Inputs	:	Chemicals for control of Anchor worm & carp lice
xvii.	Unit Size	:	1 ac.
xviii.	No of Replications	:	10
xix.	Unit Cost	:	Rs. 1500
xx.	Total Cost	:	Rs. 15,000
xxi.	Monitoring Indicator	:	Disease incidence (%), Mortality (%), SGR, ABW (Harvest), BC ratio
xxii.	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	ICAR-CIFA (2018), BENFISH (2018), CIFRI, Barrackpore

OFT-12

i.	Season	:	*Kharif 2024*
ii.	Title of the OFT	:	**Assessment of suitable technology for natural fish farming** **Code-24OFS01(K)**
iii.	Thematic Area	:	Natural Aqua Framing
iv.	Problem diagnosed	:	Less production from biofloc unit with IMC
v.	Important Cause	:	Sustainability in Natural Aqua Farming
vi.	Production system	:	Pond based
vii.	Micro farming system	:	
viii.	Technology for Testing	:	Suitable species in Natural Aqua Farming
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 IMC
xii.	Treatments:		
	Farmers Practice (FP)	:	IMC
	Technology Option-I	:	IMC with Puntius
	Technology Option-II		IMC with Mola
	Technology Option-III		IMC with Puntius + Mola
xiv.	Critical Inputs	:	
xv.	Unit Size	:	1 ac.
xvi.	No of Replications	:	10
xvii.	Unit Cost	:	Rs. 1500
xviii.	Total Cost	:	Rs. 15,000
xix.	Monitoring Indicator	:	Growth rate (%), Yield (q/ha)
xx	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)	:	

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

Sl. No.	Name of the project	Fund expected (Rs.)
1	ARYA	20,00,000
2	SCSP	25,00,000
3	ASCI	4,00,000
4	MIDH	20,00,000
5	PHC	10,00,000
6	AGRI-SPRAY DRONE	17,00,000
7	OFF SEASON FISH SEED PRODUCTION THROUGH GREEN ENERGY	141,00,000
8	PROJECT ON FPOs	4.5 CRORE
9	FISHERIES PROJECT	5.6 CRORE

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

- Agri-preneurship development though ARYA interventions.
- Entrepreneurs success story (Mushroom/women entrepreneurship)
- Farm promoters for upscaling technology in the field of agriculture extension
- Farm Mechanization in Rice cultivation
- Farm Mechanization in sugarcane cultivation
- Sugarcane jaggery preparation as a cottage industry
- Off season fish seed production

12. Scientific Advisory Committee

Date of SAC meeting held during 2023	Proposed date during 2024
14.12.2023	18.12.2024

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												
Water Samples												
Total												

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2023	Expected fund requirement (Rs.)
KVK-R		
KVK-NR		
Total		

* 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