ACTION PLAN

(January to December 2023)

KRISHI VIGYAN KENDRA, ARWAL

(BIHAR AGRICULTURAL UNIVERSITY, SABOUR, BHAGALPUIR)

ACTION PLAN 2023

1. Name of the KVK: Krishi Vigyan Kendra, Arwal

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Krishi Vigyan Kendra, Arwal At – Lodipur, Post – Sarwarpur, PS – Mahendia Block – Kaler, District- Arwal, Pin – 804428 (Bihar)	+91-89871 93648	-	arwalkvk@gmail.com

2.Name of host organization:

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur	0641-2452606	0641 - 2452604	deebausabour@gmail.com

3.Training programme to be organized (January to December 2023)

Q-I (Jan-Mar 2023), **Q-II** (Apr-Jun 2023), **Q-III** (Jul-Sep 2023) and **Q-IV** (Oct-Dec 2023)

(a) Farmers and farmwomen

Thematic Area	Title of Training	No.	Dur.	Venue On /Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
Integrated Crop Management	Integrated crop management of pulses	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Water management	Water management of Wheat	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Weed Management	Weed management of Wheat	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Scientific cultivation of Summer moong.	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Weed management of Lentil	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Scientific cultivation of Summer moong.	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Water management	Soil sampling techniques	1	1	ON	Q-II	20	2	2	1	0	0	22	3	25
Resource Conservation Technologies	Scientific cultivation of dry sown Rice.	1	2	ON	Q-II	20	2	2	1	0	0	22	3	25
Nursery management	Management of Paddy nursery	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Others, if any	INM in transplanted Rice crops	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Weed Management	Integrated weed management in Paddy	1	1	ON	Q-III	20	2	2	1	0	0	22	3	25
Others, if any	Nutrient management in Rice-wheat cropping system	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25
Water management	Water management in Paddy.	1	1	ON	Q-III	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Nitrogen management of Paddy crop	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Components of Natural farming	1	1	ON	Q-III	20	2	2	1	0	0	22	3	25
Production of organic inputs	Organic Farming of Paddy	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25

Thematic Area	Title of Training	No.	Dur.	Venue On /Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Resource Conservation Technologies	Zero tillage techniques for Rabi crops	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Weed Management	Integrated weed management in Wheat.	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Natural farming	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Organic farming	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Scientific cultivation of late sown wheat	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Cultivation of Wheat by zero tillage	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Crop Management	Nutrient and water management for late sown wheat	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Plant Protection														
Integrated Pest Management	IPM in Chickpea	1	1	ON	Q-I	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Management of early and late blight in potato and tomato	1	1	ON/OFF	Q-I	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Various method of seed treatment.	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Disease Management	IDM in rapseed and mustard	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Insect pest management in Onion	1	1	ON	Q-I	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Insect pest management in Pulses	1	1	Off	Q-I	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Integrated disease management of Mango.	1	1	ON	Q-I	20	2	2	1	0	0	22	3	25
Integrated Pest Management	IPM in Green gram	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Integrated Pest Management	IPM and IDM in Bitter gourd	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Scientific and safe storage of cereal and pulses	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Integrated Pest and Disease Management in Orchard	1	1	ON	Q-II	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Integrated Pest Management in summer cucurbitaceous vegetables	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Technique and importance of seed treatment in Rice	1	1	ON	Q-II	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Integrated Disease Management in summer cucurbitaceous vegetables	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Integrated Disease Management	IDM in Rice	1	2	ON	Q-III	20	2	2	1	0	0	22	3	25
Integrated Pest Management	IPM in Rice	1	2	ON	Q-III	20	2	2	1	0	0	22	3	25
Bio-control of pests and diseases	Management of Rice pest and diseases through Bio-agents	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25
Integrated Disease Management	Disease management in Pigeon pea.	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25

Thematic Area	Title of Training	No.	Dur.	Venue On /Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Integrated Pest Management	Integrated Pest and Disease Management in Orchard	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Management of important insect pest in Brinjal.	1	1	Off	Q-III	20	2	2	1	0	0	22	3	25
Integrated Disease Management	IDM in Wheat.	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Important of seed treatment in Rabi crops	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Management of insect pest in Pulses.	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Disease Management	IDM in Pulses.	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Pest Management	IPM in cole crops	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Aphid control in Mustard	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Horticulture														
Crop Management	Package and practices of vegetable crops	1	1	ON	Q-I	2	20	1	2	0	0	3	22	25
Nursery Management	Nursery management of vegetable crops	1	1	ON	Q-I	2	20	1	2	0	0	3	22	25
Production and management technology	Cultivation of medicinal and arometic plant	1	1	ON	Q-I	2	20	1	2	0	0	3	22	25
Layout and Management of Orchard	Layout and Management of Orchard	1	1	Off	Q-I	2	20	1	2	0	0	3	22	25
Production of low volume and high value crops	Scientific cultivation of veg. crop	1	2	Off	Q-I	2	20	1	2	0	0	3	22	25
Yield increment	Vegetable crop management in summer season	1	2	ON	Q-II	2	20	1	2	0	0	3	22	25
Management of young plants/orchards	Orchard management of fruit crop	1	2	ON	Q-II	2	20	1	2	0	0	3	22	25
Layout and Management of Orchards	Establishment of new orchard	1	1	Off	Q-II	2	20	1	2	0	0	3	22	25
ICM	Techniques of root vegetable cultivation	1	1	ON	Q-III	2	20	1	2	0	0	3	22	25
Training and Pruning	Canopy management of Horticultural crops (Mango & Guava)	1	1	ON	Q-III	2	20	1	2	0	0	3	22	25
ICM	Modern technology for Kharif season's vegetable	1	1	Off	Q-III	2	20	1	2	0	0	3	22	25
Nursery raising	Technique for nursery management raising for Rabi season's veg.	1	1	ON	Q-III	2	20	1	2	0	0	3	22	25
ICM	Cultivation practices for Rabi season's vegetable	1	1	ON	Q-IV	2	20	1	2	0	0	3	22	25
INM	Cultivation and nutrient management of leafy vegetables.	1	1	Off	Q-IV	2	20	1	2	0	0	3	22	25
Production and Management Technology	Scientific cultivation of Spices crop	1	1	ON	Q-IV	2	20	1	2	0	0	3	22	25
Production and Management Technology	Importance and scientific cultivation of Medicinal & Arometic plants	1	1	Off	Q-IV	2	20	1	2	0	0	3	22	25
Propagation techniques of Ornamental Plants	Propagation of Ornamental Plants for marketing	1	1	ON	Q-IV	2	20	1	2	0	0	3	22	25

Thematic Area	Title of Training	No.	Dur.	Venue On /Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
INM	Importance of neutrients for vegetable cultivation	1	1	Off	Q-IV	2	20	1	2	0	0	3	22	25
Home Science														
Design and development of low/minimum cost diet	Awareness about daily requirement of nutrients	1	2	ON	Q-I	2	20	1	2	0	0	3	22	25
Household food security by kitchen gardening and nutrition gardening	Cultivation of oyster mushroom for good health	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Income generation activities for empowerment of rural Women	Income generation by making potato chips, flakes and papad.	1	2	ON	Q-I	2	20	1	2	0	0	3	22	25
Enterprise development	Mushroom production and their product	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Women and Child care	Nutritional requirement for pregnant and lactating women/mother	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Enterprise development	Oyster mushroom cultivation	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Women and Child care	Food prepare from locally available materials for 6 to 15 month child	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Enterprise development	Cultivation of paddy straw mushroom.	1	2	ON	Q-II	2	20	1	2	0	0	3	22	25
Enterprise development	Cultivation of milky white mushroom	1	2	ON/ OFF	Q-II	2	20	1	2	0	0	3	22	25
Value addition	Value addition in millets by making millet recepies for good health.	1	2	ON	Q-II	2	20	1	2	0	0	3	22	25
Household food security by kitchen gardening and nutrition gardening	Development of kitchen garden for Kharif season for food security	1	1	OFF	Q-II	2	20	1	2	0	0	3	22	25
Women and Child care	Preparation of supplementary food for 6-18 months old children through wheat and ragi	1	1	OFF	Q-II	2	20	1	2	0	0	3	22	25
Women and Child care	Awareness about daily requirement of nutrients	1	1	OFF	Q-II	2	20	1	2	0	0	3	22	25
Household food security by kitchen gardening and nutrition gardening	Food security by nutritional garden for good health.	1	1	ON	Q-II	2	20	1	2	0	0	3	22	25
Women and child care	Preparation of mixed dalia for infant and pre-school going children	1	2	ON/ OFF	Q-III	2	20	1	2	0	0	3	22	25
Women and child care	Preparation of food for pregnant women through wheat. chana and ragi	1	1	OFF	Q-III	2	20	1	2	0	0	3	22	25
Household food security by kitchen gardening and nutrition gardening	House hold food security by kitchen gardening.	1	1	OFF	Q-III	2	20	1	2	0	0	3	22	25
Women and child care	Child care and their development.	1	1	OFF	Q-III	2	20	1	2	0	0	3	22	25
Women and child care	Low-cost nutrient recipes for pre-school children.	1	1	OFF	Q-IV	2	20	1	2	0	0	3	22	25
Storage loss minimization techniques	Minimization of nutrient loss in processing.	1	1	OFF	Q-IV	2	20	1	2	0	0	3	22	25
Enterprise development	Training for small enterprise by making pulses papad .	1	1	ON	Q-IV	2	20	1	2	0	0	3	22	25

Thematic Area	Title of Training	No.	Dur.	Venue On /Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Value addition	Preservation of Winter fruits and vegetables.	1	1	OFF	Q-IV	2	20	1	2	0	0	3	22	25
Vet. Sc. & A.H.														
Disease Management	Common viral diseases of cattle	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Feed management	Balance feeding of milch animal	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Feed management	Benefit of fodder feeding	1	1	ON	Q-I	20	2	2	1	0	0	22	3	25
Others, if any	Management of kids.	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Poultry Management	Backyard poultry farming.	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Disease Management	Cause of infertility and their management in dairy animals.	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Feed management	Feeding managements of pregnant cow.	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Dairy Management	Clean milk production	1	1	ON	Q-I	20	2	2	1	0	0	22	3	25
Disease Management	Prevention and cure of worm infestation.	1	1	OFF	Q-I	20	2	2	1	0	0	22	3	25
Disease Management	LSD in cattle	1	1	Off	Q-II	20	2	2	1	0	0	22	3	25
Dairy Management	Techniques of productivity enhancement of dairy animals.	1	1	OFF	Q-II	20	2	2	1	0	0	22	3	25
Dairy Management	Management of Dairy animals in summer season.	1	1	OFF	Q-II	20	2	2	1	0	0	22	3	25
Disease Management	Prevention and cure of worm infestation.	1	1	OFF	Q-II	20	2	2	1	0	0	22	3	25
Piggery Management	Pig farming	1	1	OFF	Q-II	20	2	2	1	0	0	22	3	25
Disease Management	Management of common diseases of dairy animals in rainy season	1	1	OFF	Q-III	20	2	2	1	0	0	22	3	25
Production of quality animal products	Different types of milk products.	1	1	ON	Q-III	20	2	2	1	0	0	22	3	25
Others, if any	Management of kids.	1	1	OFF	Q-III	20	2	2	1	0	0	22	3	25
Disease Management	Management in mastitis.	1	1	OFF	Q-III	20	2	2	1	0	0	22	3	25
Disease Management	Schedule and method of vaccination of cattle.	1	1	OFF	Q-III	20	2	2	1	0	0	22	3	25
Disease Management	Prevention and precautionary measures for LSD.	1	1	ON	Q-III	20	2	2	1	0	0	22	3	25
Dairy Management	Dairy co-operative societies and its role in rural economy.	1	1	Off	Q-IV	20	2	2	1	0	0	22	3	25
Dairy Management	Characteristics feature of breed of cattle.	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25
Poultry Management	Broiler farming.	1	1	OFF	Q-IV	20	2	2	1	0	0	22	3	25
Disease Management	Management of calves/kids in winter.	1	1	OFF	Q-IV	20	2	2	1	0	0	22	3	25
Others, if any	Quail Farming	1	1	ON	Q-IV	20	2	2	1	0	0	22	3	25

(b) Rural youths

Thematic Area	Title	No.	Dur.	Venue On/Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
Seed production	Seed Production of Paddy	1	4	ON	Q-III	20	2	2	1	0	0	22	3	25
Seed production	Seed Production of Rabi crops	1	4	ON	Q-IV	20	2	2	1	0	0	22	3	25
Plant Protection														

Thematic Area	Title	No.	Dur.	Venue On/Off	Tentative Date	No. of Participants								
						Others		SC		ST		Total		
						M	F	M	F	M	F	M	F	T
Bee-keeping	Bee-keeping	1	5	ON	Q-II	20	2	2	1	0	0	22	3	25
Mushroom Production	Mushroom Production	1	5	ON	Q-IV	20	2	2	1	0	0	22	3	25
Horticulture														
Protected cultivation of vegetable crops	Protected cultivation of horticultural crops	1	3	ON	Q-I	2	20	1	2	0	0	3	22	25
Commercial fruit production	Scope of commercial fruit production	1	3	ON	Q-I	2	20	1	2	0	0	3	22	25
Planting material production	Techniques of propagation of fruit crops.	1	3	ON	Q-II	2	20	1	2	0	0	3	22	25
Vermi-culture	Importance of vermi-compost for horticultural crops	1	5	ON	Q-III	2	20	1	2	0	0	3	22	25
Commercial fruit production	Techniques and importance of high-density plantation.	1	5	ON	Q-III	2	20	1	2	0	0	3	22	25
Commercial fruit production	Effective care and management of fruit crops.	1	4	ON	Q-IV	2	20	1	2	0	0	3	22	25
Home Science														
Value addition	Awareness about millet-based food.	1	1	OFF	Q-I	2	20	1	2	0	0	3	22	25
Value addition	Value addition in millet by making Ragi Laddu	1	2	ON	Q-I	2	20	1	2	0	0	3	22	25
Value addition	Preparation of Aamla murabba, Amla pickles and red chilli pickles	1	5	ON	Q-I	2	20	1	2	0	0	3	22	25
Rural Crafts	Women empowerment through cloth painting	1	5	ON	Q-I	2	20	1	2	0	0	3	22	25
Design and development of low-cost diet	Awareness about daily requirement of nutrients	1	1	Off	Q-II	2	20	1	2	0	0	3	22	25
Value Addition	Preparation of rice papad with the help of value addition in rice	1	2	ON	Q-II	2	20	1	2	0	0	3	22	25
Value addition	Preparation of different types of Jam and jellies from locally available summer fruits and veg.	1	5	ON	Q-III	2	20	1	2	0	0	3	22	25
House hold food security by kitchen gardening	House hold food security by kitchen gardening	1	1	ON	Q-III	2	20	1	2	0	0	3	22	25
Income generation	Income generation by Pickles and squash preparation	1	4	ON	Q-III	2	20	1	2	0	0	3	22	25
Rural craft	Women empowerment through tie and die.	1	5	ON	Q-IV	2	20	1	2	0	0	3	22	25
Value addition	Preparation of multi grain aata	1	2	ON	Q-IV	2	20	1	2	0	0	3	22	25
Vet. Sc. & A.H.														
Sheep and goat rearing	Goatry in rural area.	1	5	ON	Q-I	20	2	2	1	0	0	22	3	25
Dairying	Scientific dairy farming.	1	5	ON	Q-II	20	2	2	1	0	0	22	3	25
Poultry production	Poultry Production	1	5	ON	Q-IV	20	2	2	1	0	0	22	3	25
Production of quality animal products	Quality animal products	1	5	ON	Q-IV	20	2	2	1	0	0	22	3	25
Sheep and goat rearing	Goatry in rural area.	1	5	ON	Q-I	20	2	2	1	0	0	22	3	25

(c) Extension functionaries

Thematic Area	Title	No.	Dur.	Value On/Off	Tentative Date	No. of Participants								
						SC		ST		Others		Total		
						M	F	M	F	M	F	M	F	T
Crop Production														
Productivity enhancement in field crops	Productivity enhancement of Kharif crops	1	2	ON	Q-II	20	2	2	1	0	0	22	3	25
Productivity enhancement in field crops	Productivity enhancement of Rabi crops	1	2	ON	Q-IV	20	2	2	1	0	0	22	3	25
Plant Protection														
Integrated Pest Management	Integrated pest and disease Management in Kharif crops	1	2	ON	Q-III	20	2	2	1	0	0	22	3	25
Integrated Pest Management	Integrated pest and disease Management in Rabi crops	1	2	ON	Q-IV	20	2	2	1	0	0	22	3	25
Horticulture														
Productivity enhancement in field crops	Nursery management for income generation	1	2	ON	Q-I	2	20	1	2	0	0	3	22	25
Rejuvenation of old orchards	Technique and management of Senile orchard	1	3	ON	Q-II	2	20	1	2	0	0	3	22	25
Integrated Nutrient Management	INM for Nursery Management	1	2	ON	Q-III	2	20	1	2	0	0	3	22	25
Protected cultivation technology	Scope and constrants of Protected cultivation of horticultural crops	1	3	ON	Q-IV	2	20	1	2	0	0	3	22	25
Home Science														
Women and Child care	Food preparation from locally available material for infant and pregnant lady	1	2	ON	Q-III	2	20	1	2	0	0	3	22	25
Low cost and nutrient efficient diet designing	Preparation of multi grain aata and dalia for 2 to 4 years children	1	2	ON	Q-IV	2	20	1	2	0	0	3	22	25
Vet. Sc. & A.H.														
Management in farm animals	Economic dairy farming.	1	2	Off	Q-IV	20	2	2	1	0	0	22	3	25
Management in farm animals	Poultry Production	1	2	ON	Q-IV	20	2	2	1	0	0	22	3	25

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	3	60	6	66	6	3	9	0	0	0	66	9	75
Resource Conservation Technologies	2	40	4	44	4	2	6	0	0	0	44	6	50
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	3	60	6	66	6	3	9	0	0	0	66	9	75
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	1	20	2	22	2	1	3	0	0	0	22	3	25
Integrated Crop Management	11	220	22	242	22	11	33	0	0	0	242	33	275
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	1	20	2	22	2	1	3	0	0	0	22	3	25
Others, if any	2	40	4	44	4	2	6	0	0	0	44	6	50
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	2	4	40	44	2	4	6	0	0	0	6	44	50
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	2	4	40	44	2	4	6	0	0	0	6	44	50
Production of low volume and high value crops	1	2	20	22	1	2	3	0	0	0	3	22	25
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	2	4	40	44	2	4	6	0	0	0	6	44	50
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	3	6	60	66	3	6	9	0	0	0	9	66	75
b) Fruits													
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	2	4	40	44	2	4	6	0	0	0	6	44	50
Cultivation of Fruit	1	2	20	22	1	2	3	0	0	0	3	22	25
Management of young plants/orchards	1	2	20	22	1	2	3	0	0	0	3	22	25
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants													
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	1	2	20	22	1	2	3	0	0	0	3	22	25
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	1	2	20	22	1	2	3	0	0	0	3	22	25
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	2	4	40	44	2	4	6	0	0	0	6	44	50
Post-harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management													
Dairy Management	5	100	10	110	10	5	15	0	0	0	110	15	125
Poultry Management	2	40	4	44	4	2	6	0	0	0	44	6	50
Piggery Management	1	20	2	22	2	1	3	0	0	0	22	3	25
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	10	200	20	220	20	10	30	0	0	0	220	30	250
Feed management	3	60	6	66	6	3	9	0	0	0	66	9	75
Production of quality animal products	1	20	2	22	2	1	3	0	0	0	22	3	25
Others, if any	3	60	6	66	6	3	9	0	0	0	66	9	75
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	4	8	80	88	4	8	12	0	0	0	12	88	100
Design and development of low/minimum cost diet	1	2	20	22	1	2	3	0	0	0	3	22	25
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	2	20	22	1	2	3	0	0	0	3	22	25
Enterprise development	5	10	100	110	5	10	15	0	0	0	15	110	125

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
Value addition	2	4	40	44	2	4	6	0	0	0	6	44	50
Income generation activities for empowerment of rural Women	1	2	20	22	1	2	3	0	0	0	3	22	25
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	8	16	160	176	8	16	24	0	0	0	24	176	200
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection													
Integrated Pest Management	15	300	30	330	30	15	45	0	0	0	330	45	375
Integrated Disease Management	10	200	20	220	20	10	30	0	0	0	220	30	250
Bio-control of pests and diseases	1	20	2	22	2	1	3	0	0	0	22	3	25
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries													
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry													
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)													
TOTAL	**114**	**1560**	**948**	**2508**	**188**	**154**	**342**	**0**	**0**	**0**	**1748**	**1102**	**2850**

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	2	22	2	1	3	0	0	0	22	3	25
Bee-keeping	1	20	2	22	2	1	3	0	0	0	22	3	25
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	2	40	4	44	4	2	6	0	0	0	44	6	50
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	1	2	20	22	1	2	3	0	0	0	3	22	25
Vermi-culture	1	2	20	22	1	2	3	0	0	0	3	22	25
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	2	20	22	1	2	3	0	0	0	3	22	25
Commercial fruit production	3	6	60	66	3	6	9	0	0	0	9	66	75
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	7	14	140	154	7	14	21	0	0	0	21	154	175
Production of quality animal products	1	20	2	22	2	1	3	0	0	0	22	3	25
Dairying	1	20	2	22	2	1	3	0	0	0	22	3	25
Sheep and goat rearing	1	20	2	22	2	1	3	0	0	0	22	3	25
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Poultry production	1	20	2	22	2	1	3	0	0	0	22	3	25
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	2	4	40	44	2	4	6	0	0	0	6	44	50
Enterprise development	1	2	20	22	1	2	3	0	0	0	3	22	25
Others, if any	1	2	20	22	1	2	3	0	0	0	3	22	25
TOTAL	**25**	**194**	**356**	**550**	**33**	**42**	**75**	**0**	**0**	**0**	**227**	**398**	**625**

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	3	42	24	66	5	4	4	0	0	0	47	28	75
Integrated Pest Management	2	40	4	44	4	2	2	0	0	0	44	6	50
Integrated Nutrient management	1	2	20	22	1	2	2	0	0	0	3	22	25
Rejuvenation of old orchards	1	2	20	22	1	2	2	0	0	0	3	22	25
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	1	2	20	22	1	2	2	0	0	0	3	22	25
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	2	40	4	44	4	2	2	0	0	0	44	6	50
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	1	2	20	22	1	2	2	0	0	0	3	22	25
Low cost and nutrient efficient diet designing	1	2	20	22	1	2	2	0	0	0	3	22	25
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**12**	**132**	**132**	**264**	**18**	**18**	**18**	**0**	**0**	**0**	**150**	**150**	**300**

4. Frontline demonstration to be conducted*

FLD 01: 2023-24 Discipline: Crop Production

Crop	Paddy
Thrust Area	Productivity enhancement of paddy by varietal replacement.
Thematic Area	ICM
Season	Kharif 2023
Farming Situation	Medium upland to low land, irrigated

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/ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy (Var. Sabour Sampanna)	10.0	Seed, seed treating chemicals	Pl. ht., Panicle length, test weight, yield	Seed, seed treating chemicals	1500	-	5	0	0	0	20	0	25	0	25

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	Yield enhancement of Paddy	2	PF	2 days	Off	5	0	0	0	20	0	25	0	25
Field day	Field day	1	PF	1 days	Off	10	0	0	0	70	0	80	0	80

FLD 02: 2023-24 - Discipline: Crop Production

Crop	Wheat (Bio-fortified)
Thrust Area	Popularization of Bio-fortified wheat cultivar
Thematic Area	ICM
Season	Rabi 2023-24
Farming Situation	Medium and medium low 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/ha)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1.	Wheat (Var. BHU-31)	5.0	Seed	Pl. ht., ear head length, test weight, yield	Seed	6250	-	5	0	0	0	20	0	25	0	25

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	Yield enhancement of bio-fortified Wheat	1	PF	1 day	On	5	0	0	0	20	0	25	0	25
Field day	Field day	1	PF	1 day	Off	8	0	0	0	32	0	40	0	40

FLD: 03 (2023-24) Discipline: Horticulture

Crop	Bitter gourd
Thrust Area	Enhancement of bitter gourd yield with sapling as an input
Thematic Area	Crop Production
Season	Kharif 2023
Farming Situation	Medium upland and rainfed.

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs./ha)			No. of farmers / demonstration								
								SC		ST		Other		Total		
					Name of Inputs	Demo	Local	M	F	M	F	M	F	M	F	T
1.	Bitter gourd	1.0	Sapling	Yield	Sapling	80000.00	65000.00	2	2	0	0	8	8	10	10	20

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	Innovative management for enhancing yield	2	PF	1 day	On/Off	2	2	0	0	8	8	10	10	20
Field day	Field day	1	PF	1 day	Off	16	20	0	0	35	14	51	34	85

FLD: 04 (2023-24) Discipline: Horticulture

Crop	Cabbage
Thrust Area	Enhancement of Cabbage yield with seedling
Thematic Area	Crop Production
Season	Rabi 2023-24
Farming Situation	Medium upland and irrigated.

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.	Cabbage	1.0	Sapling	Yield	Sapling	112000.00	90000.00	2	0	0	0	8	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	Scientific cultivation of Cabbage	2	PF	1 day	On/Off	2	0	0	0	8	0	10	0	10
Field day	Field day	1	PF	1 day	Off	6	0	0	0	34	0	40	0	40

FLD: 05 (2023-24) Discipline: Horticulture

Crop	Chilli
Thrust Area	Enhancement of Chilli yield with seed
Thematic Area	Crop Production
Season	Summer 2023
Farming Situation	Low to mid-land and irrigated.

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.	Chilli	1.0	Sapling	Yield	Sapling	123000.00	92000.00	1	0	0	0	9	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	Scientific cultivation of Chilli	2	PF	1 day	On/Off	1	0	0	0	9	0	10	0	10
Field day	Field day	1	PF	1 day	Off	6	0	0	0	34	0	40	0	40

FLD - 06 (2023-24): Discipline: Home Science

Crop	Mushroom
Thrust Area	Women entrepreneurship development through Mushroom cultivation
Thematic Area	Mushroom Production
Season	Summer 2023
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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1.	Paddy Straw Mushroom	25 person, 2Kg each	Mushroom spawn, Besan, Polythin Sheet	Yield	Mushroom spawn, Besan, Polythin Sheet	400	550	0	5	0	0	0	20	0	25	25

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								**T**
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Training	Scientific cultivation of Mushroom	1	PF	2 days	On/Off	0	5	0	0	0	20	0	25	25
Field day	Field day	1	PF	1 day	Off	0	10	0	0	0	20	0	30	30

FLD – 07 (2023-24): Discipline: Home Science

Crop	Mushroom
Thrust Area	Women entrepreneurship development through Mushroom cultivation
Thematic Area	Mushroom Production
Season	Summer 2023
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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1.	Milky White Mushroom	25 person, 1 Kg each	Mushroom spawn, Polythin Bag, Formalin	Yield	Mushroom spawn, Polythin Bag, Formalin	650	725	0	5	0	0	0	20	0	25	25

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								**T**
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Training	Scientific cultivation of Mushroom	1	PF	2 days	On/Off	0	5	0	0	0	20	0	25	25
Field day	Field day	1	PF	1 day	Off	0	10	0	0	0	20	0	30	30

FLD – 08 (2023-24): Discipline: Home Science

Crop	Finger Millet
Thrust Area	Mal-nutrished children
Thematic Area	Mother & Child Care
Season	All the year
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**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1.	Finger Millet	30 Children	Ready to use infant food to 6 months to 2 years children	Sensory analysis, Body weight, Height, Stomach discomfort if noticed.	Ragi – 15%, Peanut – 20%, Sugar – 30% Milk Powder – 25% Ghee – 10%	500	-	5	5	0	0	10	10	15	15	30

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								**T**
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Training	Preparation of supplementary infant food.	1	PF	2 days	On/Off	5	5	0	0	10	10	15	15	30

FLD - 09 (2023-24): Discipline: Home Science

Crop	Vegetable seeds & fruit plants for kitchen garden
Thrust Area	Promotion of Kitchen Garden
Thematic Area	Kitchen garden
Season	Winter 2023-24
Farming Situation	-

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1.	Vegetable seeds & fruit plants for kitchen garden	100	Vegetable seeds & fruit plants	Yield	Vegetable seeds & fruit plants	550	650	0	30	0	0	0	70	0	100	100

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								**T**
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Training	Benefit of Kitchen Garden	1	PF	1 day	On/Off	0	14	0	0	0	36	0	50	50
Field day	Field day	2	PF	1 day	Off	5	6	0	0	7	10	12	16	28

FLD – 10 (SCSP) (2023-24): Discipline: Home Science

Crop	Mushroom
Thrust Area	Women entrepreneurship development through Mushroom cultivation
Thematic Area	Mushroom Production
Season	Rabi 2023-24
Farming Situation	-

Sl. No.	**Crop & variety / Enterprises**	**Proposed Area (ha)/ Unit (No.)**	**Technology package for demonstration**	**Parameter (Data) in relation to technology demonstrated**	**Cost of Cultivation (Rs.)**			**No. of farmers / demonstration**								
								SC		**ST**		**Other**		**Total**		
					Name of Inputs	**Demo**	**Local**	**M**	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
1.	Oyster Mushroom	50 person, 2 Kg each	Mushroom spawn, Polythin Bag, Formalin	Yield	Mushroom spawn, Polythin Bag, Formalin	650	725	0	10	0	0	0	40	0	50	50

Extension and Training activities under FLD:

Activity	**Title of Activity**	**No.**	**Clientele**	**Duration**	**Venue On/Off**	**No. of Participants**								**T**
						SC		**ST**		**Other**		**Total**		
						M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	
Training	Scientific cultivation of Mushroom	1	PF	2 days	On/Off	0	10	0	0	0	40	0	50	50
Field day	Field day	1	PF	1 day	Off	0	10	0	0	0	40	0	50	50

FLD -11 (2023-24) Discipline: Vet. Sc. & A.H.

Crop	Dewormer
Thrust Area	Improve health of animal and its production.
Thematic Area	Animal Disease Management
Season	-
Farming Situation	Farmstead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Expected Cost of Production (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Dewormer	100	Dewormers	Milk Production	Dewormers	4285	4210	6	5	0	0	81	8	87	13	100

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration (days)	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field visit	Field visit	4	PF	4	Off	1	1	0	0	8	2	9	3	12
Training	Training	1	PF	1	Off	2	2	0	0	11	3	13	5	18

FLD - 12 (2023-24) Discipline: Vet. Sc. & A.H.

Crop	Fodder
Thrust Area	Improve milk production
Thematic Area	Feed management
Season	Rabi 2023-24
Farming Situation	Farmstead

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	Fodder/ Berseem	2.0	Seed	Milk production	Seed	10000	8800	4	2	0	0	19	0	23	2	25

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 visit	Field visits	2	PF	2	Off	1	1	0	0	8	1	9	2	11
Training	Training	1	PF	1	Off	4	2	0	0	19	0	23	2	25

FLD - 13 (2023-24) Discipline: Vet. Sc. & A.H.

Crop	Dewormer
Thrust Area	Improve health of animal and its production.
Thematic Area	Goatry
Season	-
Farming Situation	Farmstead

Sl. No.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Expected Cost of Production (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Dewormer + Liver tonic for Goats	100	Endoparasiticide + Liver tonic	Gain in body weight	Endoparasiticide + Liver tonic	1650	1610	6	5	0	0	81	8	87	13	100

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration (days)	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Field visit	Field visit	2	PF	2	Off	1	1	0	0	8	2	9	3	12
Training	Training	1	PF	1	Off	2	2	0	0	11	3	13	5	18

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

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

Seed Production Programme at KVK Farm

a. Summer 2023

SN	Crop	Variety	Class of Seed Produced (B/S, F/S, C/S, TFL)	Area (ha)
1.	Green Gram	IPM-2-14	C/S	2.0
TOTAL				**2.0**

b. Kharif 2023

SN	Crop	Variety	Class of Seed Produced (B/S, F/S, C/S, TFL)	Area (ha)
1.	Paddy	R. Sweta	C/S	1.0
2.	Paddy	Sabour Sampanna	C/S	4.0
TOTAL				**5.0**

c. Rabi 2023-24

SN	Crop	Variety	Class of Seed Produced (B/S, F/S, C/S, TFL)	Area (ha)
1.	Wheat	HD-2967	C/S	3.0
2.	Wheat	HI-1563	C/S	1.0
3.	Lentil	HUL-57	C/S	1.0
TOTAL				**5.0**

b) Village Seed Production Programme: NA

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

6. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	Farmers				Extension Officials			Total		
			M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
1.	Field Day	10	225	25	250	20%	-	-	-	225	25	250
2.	Kisan Mela	04	900	100	1000	20%	09	01	10	909	101	1010
3.	Kisan Ghosthi	08	450	50	500	20%	11	01	12	461	51	512
4.	Exhibition	02	-	--	--	-	-	-	-	-	-	-
5.	Film Show	20	350	150	500	20%	-	-	-	350	150	500
6.	Method Demonstrations											
7.	Farmers Seminar											
8.	Workshop	02	-	-	-		-	-	-	-	-	-
9.	Group Meeting											
10.	Lectures delivered as resource persons											
11.	Advisory Services	2500	2000	500	2500	10%	200	50	250	2200	550	2250
12.	Scientific visit to farmers field	165	-	-	-	-	-	--	-	-	-	-
13.	Farmers visit to KVK	2000	1400	600	2000	20%	-	-	-	1400	600	2000
14.	Diagnostic visits	60	-	-	-	-	-	-	-	-	-	-
15.	Exposure visits	01	50	0	50	20%	-	-	-	50	0	50
16.	Ex-trainees Sammelan											
17.	Soil health Camp											
18.	Animal Health Camp	02	65	5	70	20%	02	00	02	67	05	72
19.	Agri mobile clinic											
20.	Soil test campaigns											
21.	Farm Science Club Conveners meet											
22.	Self Help Group Conveners meetings											
23.	Mahila Mandals Conveners meetings											
24.	Celebration of important days (specify)	08	200	100	300	20%	40	10	50	240	110	350
	Total	**4782**	**5640**	**1530**	**7170**	**20%**	**262**	**62**	**324**	**5902**	**1592**	**6994**

7. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.04.2022)	Amount proposed to be invested during 2023-24	Expected Return
38,31,797.89	3,50,000.00	6,00,000.00

8. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
CRA	**GoB**	

9. (a) On-farm trials to be conducted*

OFT: 01 **Discipline: Crop Production**

1	**Year**	**Rabi 2023-24**
2	**Crop**	**Wheat (Timely sown variety)**
3	**Title of the OFT**	**Improvement of Nitrogen use efficiency in wheat.**
4	**Thematic Area**	ICM
5	**Problem diagnosed**	Reduction in soil organic carbon status of soil leading to adverse effect on soil health and ultimately unsustainable wheat yield.
6	**Important Cause**	Excessive and imbalanced use of inorganic NPK fertilizers leading to high cost of cultivation of wheat and subsequent reduction in net return from cultivation of wheat.
7	**Production system**	SPS
8	**Micro farming system**	Medium land
9	**Technology for Testing**	Nano Urea
10	**Existing Practice**	Imbalanced and excessive use of inorganic NPK fertilizers
11	**Hypothesis**	Suitable dose of application of *Nano urea* along with inorganic NPK fertilizers may reduce cost on inorganic prilled urea which may sustain soil organic carbon status and ultimately improved soil health.
12	**Objective(s)**	Identification of most appropriate dose of *Nano urea* along with NPK fertilizers in timely sown wheat.
13	**Treatments**	**Control – Farmers' practice –** RDF (150:60:40::N:P_2O_5:K_2O Kg/ha) **T.O. I –** 50% RDN + 100% P_2O_5 & K_2O each + 1 Spray of *Nano Urea* (4ml/L water) at 35DAS **T.O. II –** 50% RDN + 100% P_2O_5 & K_2O each + 2 Sprays of *Nano urea* (4ml/L water) at tillering (35DAS) and before flowering (55DAS)
14	**Critical Inputs**	Seed, Nano urea
15	**Unit Size**	100 sq. m.
16	**No of Replications**	8
17	**Unit Cost**	Rs. 500.00
18	**Total Cost**	Rs. 4000.00
19	**Monitoring Indicator**	No. of effective tillers/m^2, No. of filled grains/panicle, Panicle weight, Test weight, Grain yield, Straw yield, Economics and B:C ratio.
20	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	OFT finalization workshop at BAU Sabour (1st to 3rd Sep. 2022)

OFT: 02 **Discipline: Crop Production**

1	**Year**	**Rabi 2023-24**
2	**Crop**	**Lentil**
3	**Title of the OFT**	**Integration of fertilizer in different form on yield of lentil.**
4	**Thematic Area**	INM
5	**Problem diagnosed**	Injudicious use of chemical fertilizer
6	**Important Cause**	Excessive and imbalanced use of inorganic fertilizers leading to high cost of cultivation and adverse effect on soil health.
7	**Production system**	SPS
8	**Micro farming system**	Medium land
9	**Technology for Testing**	WS 18:18:18 @5 gm./ltr, Rhizobium, PSB
10	**Existing Practice**	Imbalanced and excessive use of inorganic fertilizers only.
11	**Hypothesis**	Suitable dose of application of Soluble complex fertilizers alone or in combination with bio-fertilizers may reduce cost on inorganic fertilizers and sustain soil organic carbon status and ultimately improved soil health vis-a-vis crop productive.
12	**Objective(s)**	Identification of most appropriate dose of complex fertilizers for spraying on standing crop of lentil.
13	**Treatments**	**Control – Farmers' practice –** Seed Treatment + RDF **T.O. I –** 50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) **T.O. II –** Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage)
14	**Critical Inputs**	Seed, WS 18:18:18 @5 gm./ltr, Rhizobium, PSB
15	**Unit Size**	100 sq. m.
16	**No of Replications**	8
17	**Unit Cost**	Rs. 700.00
18	**Total Cost**	Rs. 5600.00
19	**Monitoring Indicator**	Plot size (10x10 m2)/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), Grain Yield, No. of Plant/m,1000 grain wt., No of pod /plant, strover yield and Economics
20	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	OFT finalization workshop at BAU Sabour (1st to 3rd Sep. 2022)

OFT: 03 **Discipline: Crop Production**

1	**Year**	**2023-24**
2	**Crop**	Rice, Wheat, Maize, Potato, Vegetable Pea, Green gram
3	**Title of the OFT**	**Diversification of rice-based cropping systems.**
4	**Thematic Area**	Crop diversification
5	**Problem diagnosed**	Low profitability of existing cropping system.
6	**Important Cause**	Continuous cereal-based cropping system resulting in adverse effect on soil health and productivity.
7	**Production system**	SPS
8	**Micro farming system**	Medium land
9	**Technology for Testing**	Three different cropping system.
10	**Existing Practice**	Rice based cropping system.
11	**Hypothesis**	Suitable combination of cropping system may improve soil health, system productivity and ultimately net income
12	**Objective(s)**	Identification of most appropriate/suitable cropping system as an alternative of cereal-based cropping system for improving soil health productivity and higher net income.
13	**Treatments**	**Control – Farmers' practice –** Rice – Wheat (prominent cropping system of district) **T.O. I –** Rice- Maize + Potato **T.O. II –** Rice-Maize + Vegetable Pea **T.O. III -** Rice-wheat – Green gram
14	**Critical Inputs**	Rice, Wheat, Maize, Potato, Vegetable Pea, Green gram
15	**Unit Size**	100 sq. m.
16	**No of Replications**	8
17	**Unit Cost**	Rs. 1000.00
18	**Total Cost**	Rs. 8000.00
19	**Monitoring Indicator**	Plot size (10x10 m^2)/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), rice equivalent yield qt/ha of all crops, sole crop and intercropping, cost of cultivation.
20	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	OFT finalization workshop at BAU Sabour (1^{st} to 3^{rd} Sep. 2022)

OFT: 04 **Discipline: Plant Pathology**

1	**Season**	**Kharif 2023**
2	**Title of the OFT**	**Assessment of efficacy of various fungicides in management of Sheath blight of Rice.**
3	Thematic Area	IDM
4	Problem diagnosed	Heavy loss in yield of Rice due to sheath blight incidence.
5	Important Cause	Cultivation of susceptible variety like MTU-7029 and BPT-5204.
6	Production system	Rice-Wheat/Chickpea
7	Micro farming system	Irrigation through canal, tilling through tractor, herbicide and pesticide use.
8	Technology for Testing	No fungicide sprays sprays of validamycin 3% L@ 2 lit./ha. sprays of Propiconazole 25EC @500ml/ha sprays of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha
9	Existing Practice	No use of fungicide
10	Hypothesis	$H_0 \neq H_1$ H_0 = Result obtained in farmers' practice H_1 = Result obtained in T.O.I, II and III.
11	Objective(s)	To assess the fungicide for management of sheath blight in Rice.
12	Treatments	**Farmers' Practice –** No fungicide spray **T.O. I –** Two sprays of validamycin 3% L@ 2 lit./ha. **T.O. II –** Two sprays of Propiconazole 25EC @500ml/ha **T.O. III –** Two sprays of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha
13	Critical Inputs	Fungicide
14	Unit Size	0.5 Acre
15	No of Replications	7
16	Unit Cost	Rs. 1000/-
17	Total Cost	Rs. 7000/-
18	Monitoring Indicator	1) Disease intensity percent, 2) Yield, 3) Net return, 4) B:C ratio
19	Source of Technology	RAU, Pusa

OFT: 05 **Discipline: Plant Pathology**

1	**Season**	**Rabi 2023-24**
2	**Title of the OFT**	**Ecofriendly management of fruit borer (*Helicoverpa armigera)* in tomato**
3	Thematic Area	IPM
4	Problem diagnosed	Heavy loss in yield of tomato due to fruit borer infestation.
5	Important Cause	Fruit borer causes damage of fruits, poor plant growth, heavy yield loss.
6	Production system	Rice-lentil-vegetable
7	Micro farming system	Irrigation through boring or canal, tilling through tractor, herbicide and pesticide use.
8	Technology for Testing	Use of Propanophos 50EC Installation of pheromone trap @10 trap/ha. Spraying of Azadirachtin 1500 PPM@5ml/Lit. Spraying of NPV @250 LE/ha in 500 lit. of water
9	Existing Practice	use of Propanophos/Chloropyriphos
10	Hypothesis	$H_0 \neq H_1$ H_0 = Result obtained in farmers' practice H_1 = Result obtained in T.O.I and II.
11	Objective(s)	Ecofriendly management of fruit borer (*Helicoverpa armigera)* in tomato.
12	Treatments	**Control - Farmers' Practice –** Use of Propanophos 50EC **T.O. I:** Installation of pheromone trap @10 trap/ha. **T.O. II:** Spraying of Azadirachtin 1500 PPM@5ml/Lit. **T.O. III:** Spraying of NPV @250 LE/ha in 500 lit. of water
13	Critical Inputs	Seed, Pheromone trap, Azadirachtin, NPV
14	Unit Size	0.5 Acre
15	No of Replications	7
16	Unit Cost	Rs. 1500/-
17	Total Cost	Rs. 10500/-
18	Monitoring Indicator	1) Fruit damage percent, 2) Yield, 3) Net return, 4) B:C ratio
19	Source of Technology	G. B. P. U. of A. & T., Pantnagar

OFT: 06 **Discipline: Horticulture**

1	**Year**	2023-24
2	**Title of the OFT**	**Assessment of fruit bagging in Guava for quality improvement.**
3	**Thematic Area**	IPM
4	**Problem diagnosed**	Farmer cultivates guava for better price from a unit area and sale in distinct market for higher price. Farmer fetch inferior quality and lower marketability which is due to insect infestation and spots.
5	**Important Cause**	Insect infestation at early stage of fruit development.
6	**Production system**	Guava
7	**Micro farming system**	Medium upland
8	**Technology for Testing**	Use of different bagging material.
9	**Existing Practice**	No bagging
10	**Hypothesis**	rporation of bagging may effectively enhance yield and quality of .
11	**Objective(s)**	1. To assess the response of bagging for upliftment of quality. 2. To aware the farming community for quality fruit production.
12	**Treatments**	**Control – Farmers Practice:** No bagging **T.O. I –** Cellophane bag cover **T.O. II –** Paper bagging
13	**Critical Inputs**	Different bags
14	**Unit Size**	5 plant/treatment
15	**No of Replications**	10, Design: RBD
16	**Unit Cost**	Rs. 2000/-
17	**Total Cost**	Rs. 20,000/-
18	**Monitoring Indicator**	1) Days to maturity, 2) Fruit fly damage (%), 3) Disease incidence, 4) Physical damage, 5) Fruit weight (g), 6) Appearance pulp colour, 7) Shelf life (days), 8) Yield per tree and 9) Economics (Rs./ha.)
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	BAU, Sabour

OFT: 07 **Discipline: Horticulture**

1	**Year**	2023-24
2	**Title of the OFT**	**Crop regulation in Guava (Allahabad Safeda)**
3	**Thematic Area**	Small production system
4	**Problem diagnosed**	Low yield of winter guava
5	**Important Cause**	Heavy infestation during rainy season.
6	**Production system**	Guava and vegetable
7	**Micro farming system**	Medium upland
8	**Technology for Testing**	**T.O. I –** Single spray of 10% urea in bloom stage (In May) **T.O. II –** Two spray of urea 10% in bloom stage at 10 days interval (In April-May) **T.O. III –** Pruning of 50% length of current season shoot (In May)
9	**Existing Practice**	Farmers Practice - Harvesting rainy season crops
10	**Hypothesis**	Infestation reduces significantly
11	**Objective(s)**	Crop regulation and economical production
12	**Treatments**	**Control –** Farmers Practice (Harvesting rainy season crops) **T.O. I –** Single spray of 10% urea in bloom stage (In May) **T.O. II –** Two spray of urea 10% in bloom stage at 10 days interval (In April-May) **T.O. III –** Pruning of 50% length of current season shoot (In May)
13	**Critical Inputs**	Fertilizers
14	**Unit Size**	5 plants/treatment
15	**No of Replications**	8
16	**Unit Cost**	Rs. 1000/-
17	**Total Cost**	Rs. 8000/-
18	**Monitoring Indicator**	1) Fruit weight (g), 2) Total yield (q / year) 3) Net return 4) B:C ratio
19	**Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify)**	ICAR research complex for Palandu, Ranchi

OFT: 08 **Discipline: Home Science**

1	**Season**	**2023-24**
2	**Title of On Farm Trial**	**Assessment of preparation methods of ripe Mango fruits papad (Bar).**
3	**Thematic Area**	Value addition of mango at domestic level.
4	**Problem Diagnose**	Local people consume fresh ripe mango as such as fruits.
5	**Important cause**	No use of mango for preparation ripe mango bar.
6	**Technology for testing**	Value addition of mango fruit.
7	**Existing practices**	No value addition.
8	**Hypothesis**	Value addition of ripe mango for preparation of mango papad may improve income generation of farmers to enhance financial condition of rural women and reduce post-harvest loss of mango. Excess mango can be preserved for off season use.
9	**Objectives**	-
10	**Details of Technologies selected for assessment/ refinement**	**Farmers' practice –** Local people consume ripe many fruits as such as ripe. **T.O. I –** Preparation of mango papad from ripe mango *Formulation – Ingredients* Mango Pulp – 1Kg, Sugar – 100gm, Citric acid – 5.0g, Potassium Metabisulfite – 1.0 gm, candaman flavour – 5 pc **T.O. II –**Preparation of mango papad from ripe mango with ginger extract (5gm) and black salt (5 gm) ***Formulation – Ingredients –*** Ripe mango pulp – 1 Kg, Suger – 100 gm, Citric acid – 5 gm, Potassium Metabisulfite - 1.0 gm
11	**Critical inputs**	Preservatives, Sugar, Mango
12	**Unit size**	-
13	**Source of Technology**	Directorate of Research on women in Agriculture, Bhubaneshwar, Odisha
14	**Replication**	10
15	**Unit cost**	Rs. 1000/-
16	**Total cost**	Rs. 10,000/-
17	**Production System & Thematic Area**	Farm instead, Value addition
18	**Performance of Technology with performance indicator**	Sensory analysis (Taste, Texture, Colour, Flavour, Overall acceptability) Self-life (15,30,45,60,75 days at ambient condition/refrigerated condition)

OFT: 09 **Discipline: Home Science**

1	**Year**	**2023-24**
2	**Title of On Farm Trial**	**Assessment of enrichment of Wheat Aata on health status of farm women.**
3	**Thematic Area**	Women and child care.
4	**Problem Diagnose**	Poor nutritional status of farm women.
5	**Important cause**	Inclusion of nutritious millets in their diet.
6	**Technology for testing**	Improvement of nutritional condition by incorporation of millets in regular diet.
7	**Existing practices**	Consumption of wheat aata only
8	**Hypothesis**	Millet may improve health condition of farm women.
9	**Objectives**	-
10	**Details of Technologies selected for assessment/refinement**	**Farmers' practice –** Local people consume wheat aata only. **T.O. I –** 65% Wheat flour + 15% Gram flour + 10% Ragi flour + 5% Bajara flour + 5% Soyabean flour **T.O. II –** 65% Wheat flour + 15% Gram flour + 10% Ragi flour + 5% Maize flour + 5% Soyabean flour
11	**Critical inputs**	Multi grain aata
12	**Unit size**	-
13	**Source of Technology**	CSA, Kanpur
14	**Replication**	10
15	**Unit cost**	Rs. 1200/-
16	**Total cost**	Rs. 12,000/-
17	**Production System & Thematic Area**	Farm instead, Women and child care
18	**Performance of Technology with performance indicator**	Body weight, Sensory analysis (Taste, Texture, Colour, Flavour, Overall acceptability), cost (Rs/Kg)

OFT: 10 **Discipline: Vet. Sc. & A.H.**

1	**Season**	Year 2023
2	**Title of the OFT**	**Effect of supplementation of Shatavari (*Asparagus racemosus*) on production performance of lactating bovines.**
3	**Thematic Area**	Dairy Management
4	**Problem diagnosed**	Low milk production
5	**Important Cause**	Low milk production due to various factors like malnutrition, various diseases, stress, season, etc.
6	**Production system**	Farm stead
7	**Micro farming system**	-
8	**Technology for Testing**	**Shatavari** is a prudent herbal galactagogue that increases the production of corticoids and prolactin, which improve the quality and production of milk.
9	**Existing Practice**	Proper treatment has not been done.
10	**Hypothesis**	Supplementation of herbal galactagogue **Shatavari** (Butter milk root powder) may stimulate the secretion of steroid hormones that improve **milk production**
11	**Objective(s)**	To improve milk production and economic gain.
12	**Treatments**	**Control - Farmers' practice: Normal** feeding with available resource **T.O. I –**50 gm mineral mixture per day for 60 days **T.O. II –** 50 gm mineral mixture + 50 gm Shatavari per day for 60 days
13	**Critical Inputs**	Butter milk root powder (Shatavari), Mineral Mix.
14	**Unit Size**	2 cattle per unit
15	**No of Replications**	10
16	**Unit Cost**	Rs. 1000/-
17	**Total Cost**	Rs. 10000/-
18	**Monitoring Indicator**	Milk Production & Economics
19	**Source of Technology**	Guru Angad Dev Veterinary and Animal Sciences University , Ludhiāna, Punjab, India

OFT: 11 **Discipline: Vet. Sc. & A.H.**

1	**Season**	Year 2023
2	**Title of the OFT**	**Assessment of deworming and chelated mineral mixture supplementation during pre-partum period on performance of goat.**
3	Thematic Area	Goatry
4	Problem diagnosed	Low body weight and higher mortality of kids.
5	Important Cause	Multiparous nature of Black Bengal may lead to high profitability in goat production but low body weight of kids influences its survivability.
6	Production system	Farm stead
7	Micro farming system	-
8	Technology for Testing	Proper deworming and nutritional supplements during pre-partum period improve the body condition of dam and kids. Its also helpful in nourishing the kids during lactation period.
9	Existing Practice	Deworming and feed supplements has not been done.
10	Hypothesis	Supplementation of chelated mineral mixture with routine deworming make available on the minerals and nutrition necessary for body weight gain as well as milk production.
11	Objective(s)	To improve body weight of kids and reduce its mortality at early phase.
12	Treatments	**Control - Farmers' practice:** No deworming and mineral mixture supplementation. **T.O. I –** Deworming with Fenbendazole 7.5 mg/Kg body weight. **T.O. II –** Deworming with Fenbendazole 7.5 mg/Kg body weight + Chelated mineral mixture (10g/day/goat) 30 days prior to parturition.
13	Critical Inputs	Dewormer, Chelated mineral mixture
14	Unit Size	3 goat per unit
15	No of Replications	10
16	Unit Cost	Rs. 300/-
17	Total Cost	Rs. 3000/-
18	Monitoring Indicator	Body weight of goat, birth weight of kids, growth of kids at 7 days interval for 2 months.
19	Source of Technology	ICAR

*Repeat the same format for EACH OFT being proposed.

9 (b) Cluster Frontline Demonstration to be conducted

Sl. No.	Season	Crop	Item/Variety	No of demonstration	Area(ha)
1.	Rabi 2023-24	Lentil	-	50	20.0
2.	Rabi 2023-24	Chick pea	-	50	20.0
3.	Summer 2023-24	Green gram	-	50	20.0

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.	SCSP	
2.	NARI	
3.	Natural Farming	
4.	CRA Programme	
5.	CSISA	
6.	RKVY Skill development training	
7.	BSDM Training	

11. No. of success stories proposed to be developed: 02

12. Scientific Advisory Committee

Date of SAC meeting held during 2022	Proposed date during 2023
18-08-2022	August 2023

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												
Other (Please specify)												
Total												

14. Fund requirement and expenditure (Rs.) *

Heads	Expenditure (last year) (Rs.) up to 31.03.2023	Expected fund requirement (Rs.)
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.

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