

Krishi Vigyan Kendra Manpur, Gaya

(Bihar Agricultural University, Sabour Bhagalpur)



Annual Action Plan

(January to December 2024)



ICAR-ATARI, PATNA (Zone-IV)

ACTION PLAN – (January 2024 – December 2024)

1. Name of the KVK: KRISHI VIGYAN KENDRA, MANPUR, GAYA

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2. Name of host organization: B. A. U., SABOUR, BHAGALPUR, BIHAR

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Training programme to be organized (January 2024 to December 2024)

Target Group	No. of training	Beneficiaries						
		SC/ST		Others		Total		Total
		M	F	M	F	M	F	
PF	100	334	228	1876	212	2210	440	2650
RY	37	90	60	600	150	713	217	930
EF	19	87	47	259	57	346	104	450
Total	156	511	335	2735	419	3269	761	4030

(a) Farmers and farmwomen

Target Group	No. of training	Beneficiaries						
		SC/ST		Others		Total		
		M	F	M	F	M	F	Total
Extension Education	12	36	24	216	24	252	48	300
Veterinary Science	23	69	46	414	46	483	92	575
Soil Science	19	57	38	342	38	399	76	475
Horticulture	24	82	58	412	48	494	106	600
Home Science	18	74	50	428	48	502	98	600
Agricultural Engineering	4	16	12	64	8	80	20	100
Total	100	334	228	1876	212	2210	440	2650

(b) Rural Youth

Target Group	No. of training	Beneficiaries						
		SC/ST		Others		Total		
		M	F	M	F	M	F	Total
Extension Education	4	12	8	80	20	92	28	120
Veterinary Science	5	15	10	100	25	138	42	180
Soil Science	5	15	10	100	25	115	35	150
Horticulture	15	24	16	160	40	184	56	240
Home Science	7	21	14	140	35	161	49	210
Agricultural Engineering	1	3	2	20	5	23	7	30
Total	37	90	60	600	150	713	217	930

(c) Extension Functionaries

Target Group	No. of training	Beneficiaries						
		SC/ST		Others		Total		
		M	F	M	F	M	F	Total
Extension Education	2	6	4	36	4	42	8	50
Veterinary Science	1	3	5	5	7	8	12	20
Soil Science	6	48	6	90	6	138	12	150
Horticulture	4	12	20	20	28	32	48	80
Home Science	4	12	8	72	8	84	16	100
Agricultural Engineering	2	6	4	36	4	42	8	50
Total	19	87	47	259	57	346	104	450

Training programme to be organized (January 2024 to December 2024)

(d) Farmers and farmwomen

Thematic area	Title of Training	N o	D u r a t i o n	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Extension Education														
ICM	Scientific cultivation of Madua and its value addition	1	1	On/Off	Jan 2024	3	2	0	0	18	2	21	4	25
ICM	Scientific cultivation of kodo and its value addition	1	1	On/Off	Feb. 2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Production technology of oyster mushroom and its value addition	1	1	On/Off	Mar2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Doubling income by means of scientific mushroom production technology	1	1	On/Off	Apr 2024	3	2	0	0	18	2	21	4	25
ICM	Scientific cultivation of Madua and its value addition	1	1	On/Off	May 2024	3	2	0	0	18	2	21	4	25
ICM	Scientific cultivation of Sawan and its value addition	1	1	On/Off	Jun 2024	3	2	0	0	18	2	21	4	25
ICM	Cultivation of Cheena in perspective of Climate change	1	1	On/Off	Jul 2024	3	2	0	0	18	2	21	4	25
Information networking	Income generation by means of value addition in millets	1	1	On/Off	Aug2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Sep 2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Honey production for self income generation	1	1	On/Off	Oct 2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Enhancing income by means of value added products of mushroom	1	1	On/Off	Nov2024	3	2	0	0	18	2	21	4	25
Entrepreneurial development	Income generation through mushroom Production.	1	1	On/Off	Dec 2024	3	2	0	0	18	2	21	4	25
Entrepreneurial	Income generation through value	1	1	On/Off	Jan 2025	3	2	0	0	18	2	21	4	25

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
development	addition in millets													
Group dynamics	Importance of FPO and its formation	1	1	On/Off	Feb 2025	3	2	0	0	18	2	21	4	25
Information networking	Strategies to sale millets in the markets	1	1	On/Off	Mar 2025	3	2	0	0	18	2	21	4	25
	Total	15	15			45	30	0	0	270	30	315	60	375
Veterinary Science														
Disease management	Management of cattle in winter season	1	1	On/Off	Jan. 2024	3	2	0	0	18	2	21	4	25
Disease management	Disease management in goat	1	1	On/Off	Feb 2024	3	2	0	0	18	2	21	4	25
Disease management	Management of FMD in cattle	1	1	On/Off	Feb 2024	3	2	0	0	18	2	21	4	25
Poultry Management	Commercial broiler farming	1	1	On/Off	Mar 2024	3	2	0	0	18	2	21	4	25
Feed Management	Treatment of straw with urea	1	1	On/Off	Mar 2024	3	2	0	0	18	2	21	4	25
Goat Farming	Small scale goat farming	1	1	On/Off	Mar 2024	3	2	0	0	18	2	21	4	25
Goat farming	Small scale goat farming	2	1	On/Off	Apr 2024/ Oct 2024	6	4	0	0	36	4	42	8	50
Feed Management	Treatment of straw with urea	2	1	On/Off	May 2024/ Nov 2024	6	4	0	0	36	4	42	8	50
Disease Management	Management of HS & BQ in dairy animals	2	1	On/Off	May 2024/ Jun 2024	6	4	0	0	36	4	42	8	50
Poultry Management	Income generation through backyard poultry	2	1	On/Off	June 2024/ Dec 2024	6	4	0	0	36	4	42	8	50
Disease Management	Management of infertility in dairy animals	1	1	On/Off	Jul 2024	3	2	0	0	18	2	21	4	25
Feed Management	Method of calculation of balanced ration in dairy animals	1	1	On/Off	Jul 2024	3	2	0	0	18	2	21	4	25
Poultry Management	Management of commercial broiler	1	1	On/Off	Aug 2024	3	2	0	0	18	2	21	4	25
Disease Management	Vaccination in cattle in poultry	1	1	On/Off	Aug 2024	3	2	0	0	18	2	21	4	25
Dairy Management	Clean milk production	1	1	On/Off	Sep 2024	3	2	0	0	18	2	21	4	25
Feed Management	Fodder production round the year	1	1	On/Off	Sep 2024	3	2	0	0	18	2	21	4	25
Disease Management	Management of common diseases of goat	1	1	On/Off	Oct 2024	3	2	0	0	18	2	21	4	25
Disease Management	Management & vaccination of FMD in dairy animals	2	1	On/Off	Nov 2024/ Dec 2024	6	4	0	0	36	4	42	8	50
	Total	23				69	46	0	0	414	46	483	92	575
Soil Science														
Natural farming	Natural farming demand of future	1	1	On/Off	Apr 2024	3	2	0	0	18	2	21	4	25
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Aprl2024	3	2	0	0	18	2	21	4	25
Soil fertility management	Improving soil health by natural farming	1	1	On/Off	May 2024	3	2	0	0	18	2	21	4	25
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	May 2024	3	2	0	0	18	2	21	4	25
Entrepreneurial	Production of Vermi compost and its value	1	1	On/Off	Jun 2024	3	2	0	0	18	2	21	4	25

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
development	addition													
Soil fertility management	Awareness on use and importance of soil health card	1	1	On/Off	Jun 2024	3	2	0	0	18	2	21	4	25
Water Management	Catch the rain	1	1	On/Off	Jul 2024	3	2	0	0	18	2	21	4	25
Irrigation Management	Soil conservation and Water management	1	1	On/Off	Jul 2024	3	2	0	0	18	2	21	4	25
Soil health camp	Importance of Soil test and how to collect Soil sample	1	1	On/Off	Aug 2024	3	2	0	0	18	2	21	4	25
Natural farming	Component of Natural farming	1	1	On/Off	Aug 2024	3	2	0	0	18	2	21	4	25
Soil & water testing	Irrigation management	1	1	On/Off	Sep 2024	3	2	0	0	18	2	21	4	25
Soil fertility Management	Soil nutrient management	1	1	On/Off	Oct 2024	3	2	0	0	18	2	21	4	25
ICM	Cultivation technique of lentil	1	1	On/Off	Nov 2024	3	2	0	0	18	2	21	4	25
ICM	Cultivation technique of rapeseed and mustard	1	1	On/Off	Dec 2024	3	2	0	0	18	2	21	4	25
IWM	Integrated weed management in wheat	1	1	On/Off	Dec 2024	3	2	0	0	18	2	21	4	25
	Total	19				57	38	0	0	342	38	399	76	475
Horticulture														
Cultivation of Vegetable	Scientific cultivation of Brinjal.	1	1	On/Off	Jan 2024	4	3	0	0	16	2	20	5	25
Cultivation of Vegetable	Scientific cultivation of Cauliflower Vegetable.	1	1	On/Off	Feb 2024	4	3	0	0	16	2	20	5	25
Cultivation of Vegetable	Scientific cultivation of Drumstick	1	1	On/Off	Mar 2024	4	3	0	0	16	2	20	5	25
Training and pruning	Canopy Architecture Management in Guava	1	1	On/Off	Apr 2024	4	3	0	0	16	2	20	5	25
Cultivation of Vegetable	Scientific cultivation of Okra	1	1	On/Off	May 2024	4	3	0	0	16	2	20	5	25
Natural farming	Natural farming in Horticultural crops.	2	1	On/Off	May 2024	6	4	0	0	36	4	42	8	50
Planting material production	Raising of quality planting material.	2	1	On/Off	June 2024	6	4	0	0	36	4	42	8	50
Cultivation of Fruit	Crop regulation in Guava	1	1	On/Off	June 2024	4	3	0	0	16	2	20	5	25
Nutri-garden.	Importance of Nutri-garden.	2	1	On/Off	July 2024	6	4	0	0	36	4	42	8	50
Post-harvest technology and value addition	Strategies to reduce post harvest losses in horticultural crops	1	1	On/Off	July 2024	4	3	0	0	16	2	20	5	25
Management of young plants/orchards	Multitier cropping of perennial horticultural crops	1	1	On/Off	Aug 2024	4	3	0	0	16	2	20	5	25
Integrated nutrient management	Integrated nutrient management in vegetables	2	1	On/Off	Aug 2024	6	4	0	0	36	4	42	8	50
Nutri-garden.	Layout and Establishment of Nutri-garden.	2	1	On/Off	Sep 2024	6	4	0	0	36	4	42	8	50

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
Integrated nutrient management	Use of Bio-fertilizers in horticultural crops	2	1	On/Off	Oct 2024	6	4	0	0	36	4	42	8	50
Production and management technology	Importance and production technology of aromatic and medicinal plants	1	1	On/Off	Nov 2024	4	3	0	0	16	2	20	5	25
Production and Management technology	Cultivation practices for spice crop.	1	1	On/Off	Nov 2024	4	3	0	0	16	2	20	5	25
Cultivation of Vegetable	Scientific cultivation of leafy Vegetables	2	1	On/Off	Dec 2024	6	4	0	0	36	4	42	8	50
	Total	24				82	58	0	0	412	48	494	106	600
Home Science														
Household food security by kitchen gardening and nutrition gardening	Nutritional Security of Farm Families through Nutrition Gardening	2	1	On/Off	March May	6	4	0	0	36	4	42	8	50
Design and development of low/minimum cost diet	Development of Low cost diet from locally available Food for Good Health	1	1	On/Off	April	3	2	0	0	18	2	21	4	25
Designing and development for high nutrient efficiency diet	Preparation of High Nutrient Efficiency diet for mother and children	1	1	On/Off	May	3	2	0	0	18	2	21	4	25
Minimization of nutrient loss in processing	Techniques for preserving nutrient during Processing	2	1	On/Off	May July	6	4	0	0	36	4	42	8	50
Gender mainstreaming through SHGs	Impact of SHGs in Gender Mainstreaming	1	1	On/Off	June	3	2	0	0	18	2	21	4	25
Storage loss minimization techniques	Improved Storage Techniques to Reduce Post-harvest Losses	2	1	On/Off	August Sept.	6	4	0	0	36	4	42	8	50
Value addition	Training on Food processing and Value Addition of Fruit and Vegetable.	1	1	On/Off	August	3	2	0	0	18	2	21	4	25
Value addition	Preparation of different types of pickles from seasonal vegetables	1	1	On/Off	July	3	2	0	0	18	2	21	4	25
Income generation activities for empowerment of rural	Investing in skills for empowerment of rural women	1	1	On/Off	Oct.	3	2	0	0	18	2	21	4	25

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
Women														
Rural Crafts	Techniques of Tie and Dye	1	1	On/Off	Nov	3	2	0	0	18	2	21	4	25
Women and child care	Health and nutritional care pregnant, lactating women and children	1	1	On/Off	Dec	3	2	0	0	18	2	21	4	25
Women and Child care	Awareness about daily requirement of nutrients	1	1	On/Off	Dec	3	2	0	0	18	2	21	4	25
	Total													
Agricultural Engineering														
Use of farm machinery and implements	Calibration of seed drill and zero till drill machine	1	2	On/Off	Sep.	4	3	0	0	16	2	20	5	25
Use of farm machinery and implements	Use of zero till drill machine for wheat cultivation.	1	2	On/Off	Oct	4	3	0	0	16	2	20	5	25
Installation and maintenance of micro irrigation system	Importance of Micro irrigation system & its maintenance	1	2	On/Off	Nov	4	3	0	0	16	2	20	5	25
Installation and maintenance of micro irrigation system	Installation and operation of micro-irrigation system	1	2	On/Off	Dec	4	3	0	0	16	2	20	5	25
		4				16	12	0	0	64	8	80	20	100

(e) Rural youths

Thematic area	Title of Training	No.	Durati on	Venue On/Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Extension Education														
Beekeeping	Self-employment by means of apiculture.	1	6	ON	April 2024	3	2	0	0	20	5	23	7	30
Soil management	Improving Soil health by Organic farming.	1	6	ON	Sept. 2024	3	2	0	0	20	5	23	7	30
Mushroom Production	Increasing income by mushroom production technology	1	6	ON	Nov. 2024	3	2	0	0	20	5	23	7	30
Value addition	Commercial production of mushroom and its value addition.	1	6	ON	Dec. 2024	3	2	0	0	20	5	23	7	30
	Total	4				12	8	0	0	80	20	92	28	120
Veterinary Science														
Goat rearing	Goatry management	2	5	ON	Apr 2024 July 2024	6	4	0	0	40	10	46	14	60
Dairying	Dairy Management	2	5	ON	May 2024 Nov 2024	6	4	0	0	40	10	46	14	60
Poultry farming	Commercial poultry & quail farming	1	5	ON	Sep 2024	3	2	0	0	20	5	23	7	30
	Total	5				15	10	0	0	100	25	115	35	150
Soil Science														
Water Management	Rain water conservation and management in Rainfed Agriculture	1	6	ON	May 2024	3	2	0	0	20	5	23	7	30
Vermicomposting	A Successful dynamic business	1	6	ON	June 2024	3	2	0	0	20	5	23	7	30
Soil health management	Improving Soil health by Organic farming.	1	6	ON	July 2024	3	2	0	0	20	5	23	7	30
Soil Testing	Soil testing laboratory establishment for livelihood security	1	6	ON	Dec 2024	3	2	0	0	20	5	23	7	30
	Total													
Horticulture														
Vegetable Cultivation	Improved cultivation practices for Rabi season vegetable production.	2	4	ON	Jan 2024	3	2	0	0	20	5	23	7	30
Planting material production	Pro-tray Nursery production of Vegetable Saplings.	1	4	ON	Mar2024	3	2	0	0	20	5	23	7	30
Training and pruning of orchards	Orchard management strategies in Guava.	1	4	ON	Apr 2024	3	2	0	0	20	5	23	7	30

Commercial fruit production	Scientific cultivation of Papaya for Enhancing Export Quality.	2	4	ON	May 2024	3	2	0	0	20	5	23	7	30
Vegetable Cultivation	Improved cultivation practices for Kharif season vegetable production.	2	4	ON	June 2024	3	2	0	0	20	5	23	7	30
Commercial flower production	Scientific Cultivation and Export Potential of Marigold flower	2	4	ON	July 2024	3	2	0	0	20	5	23	7	30
Training and pruning of orchards	High density planting in Mango.	1	4	ON	Aug 2024	3	2	0	0	20	5	23	7	30
Vegetable Cultivation	Scientific cultivation of Broccoli	1	4	ON	Nov 2024	3	2	0	0	20	5	23	7	30
Total		12				24	16	0	0	160	40	184	56	240
Home Science														
Value addition	Training on Food processing and Value Addition of Millets	1	6	ON	April	3	2	0	0	20	5	23	7	30
Rural Crafts	Training on preparation of Jute handicraft	1	4	ON	May	3	2	0	0	20	5	23	7	30
Income generation activities for women	Post-harvest processing of locally available fruits for income generation	1	4	ON	June	3	2	0	0	20	5	23	7	30
Mushroom Production	Mushroom Production and its processing	1	4	ON	August	3	2	0	0	20	5	23	7	30
Rural Craft	Training on Tie and Die techniques	1	5	ON	Nov. 2024	3	2	0	0	20	5	23	7	30
Total		7				21	14	0	0	140	35	161	49	210
Agricultural Engineering														
Installation and maintenance of micro irrigation system	Installation and maintenance of micro irrigation system	1	4	ON	Dec.	3	2	0	0	20	5	25	5	30

(f) Extension functionaries

Thrust area/ Thematic area	Title of Training	No.	Dur atio n	Ven ue On/ Off	Tentative Date	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Extension Education														
Natural farming	Soil management natural farming	1	1	ON	Aug.2024	3	2	0	0	18	2	21	4	25
Mushroom Production	Doubling income by means of scientific mushroom production technology	1	1	ON	Oct.2024	3	2	0	0	18	2	21	4	25

Natural farming	Soil management of natural farming	1	1	ON	Dec2024	3	2	0	0	18	2	21	4	25
	Total	3				9	6	0	0	54	6	63	12	75
Veterinary Science														
Dairy Management	Scientific management of dairy animals	1	1	ON/OFF	Dec. 2024	3	5	0	0	5	7	8	12	20
	Total	1				3	5	0	0	5	7	8	12	20
Soil Science														
Soil management	Management of problematic soils.	1	1	Off	May 2024	3	2	0	0	18	2	21	4	25
INM	INM for sustainable paddy production	1	1	Off	June 2024	3	2	0	0	18	2	21	4	25
Soil Fertility	Use of green manuring	1	15	ON	July 2024	3	2	0	0	18	2	21	4	25
ICM	Nutritional importance of millets	1	1	OFF	Sep 2024	3	2	0	0	18	2	21	4	25
Weed management	Integrated Weed Management in Rabi crops	1	1	Off	Nov 2024	3	2	0	0	18	2	21	4	25
	Total													
Horticulture														
Protected cultivation technology	Improved cultivation practices for vegetable production	1	2	ON	Mar 2024	3	2	0	0	18	2	21	4	25
Layout and Management of Orchards	Orchard Planning, layout and planting techniques for new orchard establishment	1	2	Off	July 2024	3	2	0	0	18	2	21	4	25
Export potential fruits	Production technology of strawberry	1	2	Off	Sep 2024	3	2	0	0	18	2	21	4	25
Rejuvenation of old orchards	Rejuvenation techniques for Non-bearing mango orchards	1	2	Off	Nov 2024	3	2	0	0	18	2	21	4	25
	Total	4				12	20	0	0	20	28	32	48	80
Home Science														
Household food security	Food Security at Home: Strategies and Solutions	1	2	ON	May	3	2	0	0	18	2	21	4	25
Women and Child care	Promoting Maternal and Child Health: Training for Women's Empowerment	1	2	ON	August	3	2	0	0	18	2	21	4	25
Low cost and nutrient efficient diet designing	Maximizing Nutrition, Minimizing Costs: Training in Diet Efficiency	1	2	ON	November	3	2	0	0	18	2	21	4	25
	Total													
Agricultural Engineering														
Resource Conservation Technology	Calibration of zero till drill machine	1	2	ON	Sep.	3	2	0	0	18	2	21	4	25

Resource Conservation Technology	Use of drone in agriculture	1	2	ON	Dec.	3	2	0	0	18	2	21	4	25
		2				6	4	0	0	36	4	42	8	50

3. Frontline demonstration to be conducted*

FLD: 1

Crop: Mushroom
Thrust Area: Income & employment generation through cultivation of mushroom
Thematic Area: Mushroom production
Season: Rabi
Farming Situation: Low temperature, High relative humidity inside room

S l. No.	Crop & variety / Enterprises	Prop osed Area (ha)/ Unit (No.)	Technolo gy package for demonstr ation	Paramet er (Data) in relation to technolo gy demonst rated	Name of Inputs	Cost of cultiv ation	No. of farmers / demonstration								
							SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
1	Mushroom (Button mushroom)	250 (No.)	Spawn, compost, chemicals & packaging materials	Yield, BCR	Spawn, compost, chemicals & packaging materials	20000	5	15	0	0	5	25	10	40	50

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clien tele	Dur ation	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	T
Training/ Field day	Scientific cultivation of mushroom	1	50	1 day	ON	5	15	0	0	5	25	10	40	50

FLD: 2

Crop: Muskmelon
Thrust Area: Income & employment generation through cultivation of muskmelon
Thematic Area: Fruit production
Season: Summer
Farming Situation: Moderate temperature & irrigated condition

Sl.	Crop &	Propos	Technol	Parameter	Name	Cost	No. of farmers / demonstration							
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No.	variety / Enterprises	ed Area (ha)/ Unit (No.)	ogy package for demonstration	(Data) in relation to technology demonstrated	of Inputs	of cultivation	SC		ST		Other		Total		
							M	F	M	F	M	F	M	F	T
1	Muskmelon (Var. – Pusa Madhuras)	1	Seed	Yield, BCR	Seed	56000/ha	5	15	0	0	5	25	10	40	50

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/Field day	Scientific cultivation of muskmelon	1	50	1 day	ON	5	15	0	0	5	25	10	40	50

FLD: 3

Crop: Fodder
Thrust Area: Dairy
Thematic Area: Feed management
Season: Rabi/Kharif
Farming Situation:

S l. 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.	Fodder	20	Hydroponic wheat	Milk production	Hydroponic tray & seed	30000	-	4	2	0	0	10	4	14	6	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
1.	Field day	1	PF	1	Off	5	5	0	0	10	5	15	10	25

FLD: 4

Crop: Livestock
Thrust Area: Feed Management
Thematic Area: Feed Management
Season: Rabi/Kharif
Farming Situation: Semi intensive

S l. N o.	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.	Livestock	20	Mineral Mixture	Milk production/animal/day	Mineral Mixture	20000	-	3	2	0	0	13	2	16	4	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
1.	Field day	1	PF	1	Off	5	5	0	0	10	5	15	10	25

FLD: 5

Crop: Cucurbits
Thrust Area: Field Demonstration of Pheromone trap for fruit fly management.
Thematic Area: Integrated Pest Management
Season: Summer 2024
Farming Situation: Upland Medium

FLD: 6

Crop: Marigold
Thrust Area: Field Demonstration of Marigold saplings for commercial Marigold Production
Thematic Area: Production Management
Season: Rabi 2024
Farming Situation: Medium/ Upland

FLD: 7

Crop: Papaya
Thrust Area: Field Demonstration of Red Lady cv. of papaya for commercial Papaya Production
Thematic Area: Production Management
Season: Kharif 2024
Farming Situation: Upland Medium

FLD: 8

Crop: Cauliflower
Thrust Area: Field Demonstration for Early Cauliflower Production (cv. Sabour Agrim)
Thematic Area: Production Management
Season: Rabi 2024
Farming Situation: Upland Medium

S. N.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	No. of farmers / demonstration
1	Cucurbits	10	Pheromone trap	Yield data	10
2	Cauliflower (cv. Sabour Agrim)	2.0	Seed	Yield data	20
3	Marigold	1.0	Saplings	Yield & Economics	7
4	Papaya (Red Lady)	1.0	Plant	Yield data	10

FLD: 9

Crop: Millet
Category: Millet
Thematic Area: Value Addition
Title: Demonstration of Millet based product
Source of Technology: IIMR

FLD: 10

Crop: Vegetable (Potato)
Category: Vegetable
Thematic Area: Post-Harvest Technology
Title: Demonstration of various dehydration technique of potato
Source of Technology: DRPCA, PUSA

FLD: 11

Crop/Product: Milk Product
Category: Milk
Thematic Area: Value Addition
Title: Demonstration of extension of shelf life of paneer using herbs and spice
Source of Technology: IIMR

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
1.	Field day	3	PF	1	Off	15	15	0	0	30	15	45	30	75

FLD: 12

Crop: Drone
Thrust Area: Farm machinery and implements
Thematic Area: Use of farm machinery and implements
Season: Rabi/Kharif
Farming Situation: Uplands

S. N.	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	No. of farmers / demonstration
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1	Drone	10	Nano urea demonstration through Drone	Field capacity, spray efficiency, time saving, water saving	25
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Frontline demonstration to be conducted*

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)/No.	No. of farmers/demonstration								
					SC		ST		Others		Total		
					M	F	M	F	M	F	M	F	T
1	Mushroom	Mushroom production	Spawn, compost, chemicals & packaging materials	250	5	15	0	0	5	25	10	40	50
2	Muskmelon	Fruit production	Seed (Pusa Madhuras)	1	5	15	0	0	5	25	10	40	50
3	Livestock	Fodder Management	Hydroponic fodder (Wheat)	20	4	2	0	0	10	4	14	6	20
4	Livestock	Feed Management	Chelated Mineral Mixture	80	3	2	0	0	13	2	16	4	20
5	Cucurbits	Integrated Pest Management	Pheromone trap	10	3	1	0	0	5	1	8	2	10
6	Cauliflower (cv. Sabour Agrim)	ICM	Seed	2.0	3	2	0	0	13	2	16	4	20
7	Marigold	ICM	Saplings	1.0	4	0	0	0	3	0	7	0	7
8	Papaya (Red Lady)	ICM	Plant	1.0	3	1	0	0	5	1	8	2	10
9	Millet	Value Addition	Demonstration of Millet based product	20	3	2	0	0	13	2	16	4	20
10	Vegetable (Potato)	Post-Harvest Technology	Demonstration of various dehydration technique of potato	20	3	2	0	0	13	2	16	4	20
11	Milk Product	Value Addition	Demonstration of extension of shelf life of paneer using herbs and spice	20	3	2	0	0	13	2	16	4	20
12	Drone	Use of farm machinery and implements	Nano urea demonstration through Drone	10	3	2	0	0	16	4	19	6	25
			Total		42	46	0	0	114	70	156	116	272

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

Name of the Crop / Enterprise	Variety / Type	Period From Jan. 2024 to Dec. 2024	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (q /No.)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Greengram	Varsha	Mar-Jun	1.0	C/S	10.0	25000	150000	125000
Paddy	R. Sweta	Jun-Nov	2.5	C/S	75.0	125000	337500	212500
Ragi	As per availability	Jun-Nov	1.0	C/S	20.0	40000	135000	95000
Wheat	DBW-187	Nov-Apr	3.5	C/S	87.5	140000	393750	253750
Bitter Gourd	Hybrid	Jun-Nov		-	1500			
Bottle Gourd	Hybrid	Jun-Nov		-	500			
Chilli	Hybrid	Jun-Nov		-	2000			
Brinjal	Hybrid	Jun-Nov		-	750			
Guava	Allahabad Safeda	Jun-Nov		-	250			
Papaya	Red lady	Jun-Nov		-	250			

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.)

5. Extension Activities

Sl. No.	Activities/ Sub-activities	No. of activities proposed	No. of Farmers
1.	Field Day	10	300
2.	Kisan Mela	1	50
3.	Kisan Gosthi	20	600
4.	Exhibition	2	500
5.	Film Show	10	300
6.	Method Demonstrations	3	90
7.	Farmers Seminar	1	30
8.	Workshop	2	100
9.	Group meetings	1	30
10.	Lectures delivered as resource persons	50	1500
11.	Advisory Services	1000	1000
12.	Scientific visit to farmers field	25	100
13.	Farmers visit to KVK	2000	2000
14.	Diagnostic visits	2	10
15.	Exposure visits	3	150
16.	Ex-trainees Sammelan	1	30
17.	Soil health Camp	2	50
18.	Animal Health Camp	2	60
19.	Soil test campaigns	2	60
20.	Farm Science Club Conveners meet	1	30
21.	Self Help Group Conveners meetings	1	30
22.	Mahila Mandals Conveners meetings	1	30
23.	Celebration of important days (specify)	10	300
24.	Any Other (Specify)	5	250
	Total	3155	7600

6. Revolving Fund (in Rs.)

Opening balance of 2022-2023 (As on 01.01.2023)	Amount proposed to be invested during 2023-2024	Expected Return
39,01,302.00	8,50,000.00	17,00,000.00

7. Expected fund from other sources and its proposed utilization

Project	Source	Amount to be received (Rs. in lakh)
ATMA	ATMA, Gaya	2,00,000.00

8. On-farm trials to be conducted*

OFT-1 (Extension Education)

1	Season:	Kharif
2	Title of the OFT:	Analysis of effectiveness of different Extension Education methods used for dissemination of commercial vegetable production technologies.
3	Thematic Area:	Capacity building.
4	Problem diagnosed:	Low income from vegetable production.
5	Important Cause:	Lack of Knowledge and non-adoption of improved vegetable production technologies.
6	Production system:	Vegetables-Vegetables-Vegetables
7	Micro farming system:	Timely sown and irrigated condition.
8	Technology for Testing:	Farmers Practice: Vegetable growers without exposure to any Extension Education methods. TO₁: Vegetable growers where Individual contact methods employed (Farm & Home visit). TO₂: Vegetable growers where Group contact methods employed (Demonstration, Lecture, Participatory discussion/training). TO₃: Vegetable growers where Mass contact methods employed (Leaflet, mobile advisory, A/V film).
9	Existing Practice:	Many vegetable growers cultivating without adopting recommended vegetable production technologies.
10	Hypothesis:	Vegetable growers fetched higher yield using improved vegetable production technologies.
11	Objective(s):	1. To know the pattern of use of different extension methods among vegetable growers of the district. 2. To explore the Effectiveness Intensity Index of methods perceived by vegetable growers. To explore the Effectiveness Intensity Index of methods perceived by Extension Personnel.
12	Treatments:	Farmers Practice: Vegetable growers without exposure to any Extension Education methods. TO₁: Vegetable growers where Individual contact methods employed (Farm & Home visit). TO₂: Vegetable growers where Group contact methods employed (Demonstration, Lecture, Participatory discussion/training). TO₃: Vegetable growers where Mass contact methods employed (Leaflet, mobile advisory, A/V film).
13	Critical Inputs:	Vegetable seeds and Literature.
14	Unit Size:	150 sq.m.
15	No of Replications:	120 (60 Vegetable growers + 60 Extension Personnel)
16	Unit Cost:	Rs. 200/-
17	Total Cost:	Rs. 6000/-
18	Monitoring Indicator:	1. Pattern of use of different extension methods

		2. Effectiveness Intensity Index of methods perceived by vegetable growers. 3. Effectiveness Intensity Index of methods perceived by Extension Personnel. 4. Knowledge related to recommended vegetable production technologies. 5. Adoption of recommended vegetable production technologies. 6. Increase in income from vegetable production.
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	BAU, Ranchi, Jharkhand

OFT-2 (Extension Education)

1	Season:	Rabi
2	Title of the OFT:	Assessing the effect of different Extension Education methods applied for adoption of mushroom production technologies.
3	Thematic Area:	Enterprise development.
4	Problem diagnosed:	Low income of mushroom growers.
5	Important Cause:	Non-adoption of scientific mushroom production technologies.
6	Production system:	Mushroom production
7	Micro farming system:	In controlled conditions.
8	Technology for Testing:	Farmers Practice: Group of mushroom growers without exposure to any Extension Education methods TO ₁ : Group of mushroom growers exposed with Training + Literature. TO ₂ : Group of mushroom growers exposed with Customized social media advisory TO ₃ : Group of mushroom growers exposed with Training + Demonstration.
9	Existing Practice:	Many mushroom growers engaged in mushroom production without adopting recommended production technologies.
10	Hypothesis:	All mushroom growers aware of recommended mushroom production technologies.
11	Objective(s):	1. To create awareness about recommended mushroom production technologies. 2. To know the level of knowledge of the people about recommended mushroom production technologies. 3. To find the level of adoption of the people about recommended mushroom production technologies. 4. To know the increase in income due to mushroom production.
12	Treatments:	Farmers Practice: Group of mushroom growers without exposure to any Extension Education methods TO ₁ : Group of mushroom growers exposed with Training + Literature. TO ₂ : Group of mushroom growers exposed with Customized social media advisory TO ₃ : Group of mushroom growers exposed with Training + Demonstration.
13	Critical Inputs:	Mushroom kit,Literature
14	Unit Size:	5 mushroom kits/ beneficiaries.
15	No of Replications:	80
16	Unit Cost:	Rs. 350/-
17	Total Cost:	Rs. 7000/-
18	Monitoring Indicator:	1. Knowledge related to recommended mushroom production technologies.

		2. Change in Awareness level with respect to recommended mushroom production technologies. 3. Adoption of recommended mushroom production technologies. 4. Income from mushroom production.
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	RPCAU, Pusa, BAU, Sabour and BAU, Ranchi

OFT- 3 (Veterinary Science)

1	Season:	Rabi/Kharif
2	Title of the OFT:	Assessment of Glactagouge supplementation on milk production in cow reared under semi-intensive system.
3	Thematic Area:	Dairy management
4	Problem diagnosed:	Low milk yield
5	Important Cause:	Nutrient deficiency
6	Production system:	Semi-intensive
7	Micro farming system:	Semi-intensive
8	Technology for Testing:	Farmer Practice (FP) – No use of Glactagouge TO ₁ : Mineral mixture 50 gm/day TO ₂ : Mineral mixture 50 gm/day + Glactagouge (Satavari + Jivanti) 4 bolus daily for 10 days
9	Existing Practice:	No use of Glactagouge
10	Hypothesis:	Herbal preparation can increase milk production
11	Objective(s):	To treat cow under low milk production
12	Treatments:	Farmer Practice (FP) – No use of Glactagouge TO ₁ : Mineral mixture 50 gm/day TO ₂ : Mineral mixture 50 gm/day + Glactagouge (Satavari + Jivanti) 4 bolus daily for 10 days
13	Critical Inputs:	Medicine
14	Unit Size:	1
15	No of Replications:	7
16	Unit Cost:	1500
17	Total Cost:	10500
18	Monitoring Indicator:	1. Increase in milk production 2. Cost of milk production 3. Gross return 4. Net return 5. B:C ratio
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	IVRI, Izatnagar

OFT – 4 (Veterinary Science)

1	Season:	Rabi/Kharif
2	Title of the OFT:	Control of diarrhoea in cattle and buffalo a pest made from leaves of shisum (<i>Dalbergia Sissoo</i>)
3	Thematic Area:	Disease management
4	Problem diagnosed:	Diarrhoea in cattle and buffalo
5	Important Cause:	Infection and change in feed
6	Production system:	Semi-intensive
7	Micro farming system:	Semi-intensive
8	Technology for Testing:	Farmer's Practice: No use of ITK TO ₁ : Use of shisum leaf pest @ 105 gm/day TO ₂ : Use of shisum leaf pest @ 105 gm/day + standard therapy
9	Existing Practice:	No use of ITK
10	Hypothesis:	Shisum leaf can cure diarrhoea
11	Objective(s):	To treat diarrhoea in cattle
12	Treatments:	Farmer's Practice: No use of ITK TO ₁ : Use of shisum leaf pest @ 105 gm/day TO ₂ : Use of shisum leaf pest @ 105 gm/day + standard therapy
13	Critical Inputs:	Medicine
14	Unit Size:	1
15	No of Replications:	7
16	Unit Cost:	Rs. 500.00
17	Total Cost:	Rs 500/- x 7 = 3500/-
18	Monitoring Indicator:	a) No. of animal free from diarrhoea
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	GBPUAT, Pantnagar

OFT-5 (Horticulture)

1	Intervention	Horticulture
2	Title of the OFT:	Bio- fertilizer application for improvement in fruit set and fruit Yield.
3	Thematic Area:	Orchard Management
4	Problem diagnosed:	No use of chemical fertilizer and Bio-fertilizer caused low yield of quality fruits.
5	Potential solution	Yield Enhancement of quality fruits with application of Bio-fertilizer.
6	Production system:	Mango - Mango
7	Farming situation	Micro farming Situation
8	Details of Technology	Farmer Practice: No use of Bio- fertilizer TO ₁ : Vermicompost (50 kg/tree) + Azospirillum culture (250 g/ tree) + PSB (50 g/tree) TO ₂ : Vermicompost (50 kg/tree) + Azospirillum culture (250 g/ tree) + PSB (50 g/tree) + Vermiwash
9	Existing Practice	Farmer Practice
10	Hypothesis:	Increasing Yield
11	Objective(s):	Yield Enhancement and Income generation
12	Cultural Practices	Light pruning should be done for removal of overcrowded and lower hanging branches
13	Irrigation Method	Irrigation should be done after application of treatments
14	Unit Size (No. of plants per unit)	5
15	No of Replications:	7
16	Total Cost:	10,000/-
17	Monitoring Indicator:	A. Technological observations 1. Fruit length (cm), 2. Fruit width (cm), 3. No. of fruit per tree at harvest, 4. Fruit weight (gm), 5. Fruit Yield (kg/tree) B. Economical observations 6. Net return 7. B:C ratio 8. Cost of cultivation
18	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	ICAR

OFT – 6 (Horticulture)

1	Season:	Kharif
2	Title of the OFT:	Response of bitter gourd to foliar spray of micronutrients (Hybrid)
3	Thematic Area:	Integrated Nutrient Management
4	Problem diagnosed:	No use of Micronutrients caused low yield.
5	Potential solution:	Yield Enhancement with foliar application of micronutrient.
6	Production system:	Wheat – Moong- Bitter gourd
7	Farming situation	Micro farming Situation
8	Details of Technology	Farmer's Practice: No use of micronutrients TO ₁ : Zn @ 100ppm thrice at 10 days interval after 30 days of planting TO ₂ : B @ 100ppm thrice at 10 days interval after 30 days of planting
9	Existing Practice:	Farmer's Practice
10	Hypothesis:	Increasing Marketable yield
11	Objective(s):	Improve farmers income
13	Critical Inputs:	Chemical Fertilizer application before micronutrient spray
14	Unit Size:	0.1 ha
15	No of Replications:	10
17	Total Cost:	10000/-
18	Monitoring Indicator:	A. Technological observations 1.Number of fruits 2.Fruit weight (gm), 3.Fruit Yield (kg) B. Economical observations 1.Net return 2.B:C ratio 3.Cost of cultivation
19	Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	IIVR

OFT-7 (Home Science)

Title of the OFT:	Development and assessment of value-added product from finger Millet (Ragi Chips)
Thematic Area:	Value Addition
Problem diagnosed:	Despite its nutritional advantages, finger millet remains underutilized in many parts of the Gaya and Lack of knowledge of regarding nutritional component of ragi. Low consumption due to bitter taste.
Objective(s):	To develop a value-added product from finger millet and increase the shelf life and nutrition content of Ragi
Hypothesis	There is no significant difference in the acceptability of value-added product prepared by using Finger Millet.
Details of technologies selected for assessment/refinement (Mention either assessed or Refined)	TO₁ (FP) –Local people use Millet as Chappati. TO₂ – The ragi flour and rice flour of equal proportion (20 grams) are mixed along with black gram flour of 5grams, and spices such ginger, red chillies, garlic are incorporated along with the required amount of salt, water and curry leaves. TO₃ – In the second trial the ingredients such as ragi flour is taken in the proportion of 10grams and rice flour in the ratio of 15grams along with black gram flour of 5grams and spices such as ginger, red chillies, garlic and are incorporated along with the required amount of salt, water and curry leaves. TO₄ – Ragi flour and rice flour are taken in a ratio of 15grams each and black gram flour is taken in a proportion of 7grams along with the spices such as ginger, garlic, red chillies and are incorporated along with the required amount of salt, water and curry leaves.
No of Replications:	10
Unit Cost	Rs. 500/-
Total cost	Rs 5000/-
Monitoring Indicator:	Technological Observation: - Sensory Evaluation by using Hedonic Table - taste - colour - Flavour - Texture and over all acceptability. - Packaging Material - Shelf life study
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	Avinashilingam Institute for Home Science and Higher Education for Women, Coimbatore

OFT-8 (Home Science)

Title of the OFT:	Formulation of instant moringa idli powder and income generation
Thematic Area:	Value Addition and income generation
Problem diagnosed:	Traditional idli lacks certain nutritional components that could be enhanced by incorporating moringa, which is rich in vitamins, minerals, and antioxidants.
Objective(s):	To develop value added food product by incorporating Moringa leaf powder.
Hypothesis	The formulation of instant moringa idli powder does not significantly differ in nutritional value, taste, texture, or overall acceptability compared to traditional idli powder formulations.
Details of technologies selected for assessment/refinement (Mention either assessed or Refined)	TO ₁ (FP) –Local people use Moringa as vegetable. TO ₂ – Instant Moringa Idli Powder 25:70:5 (25 g black gram flour, 70g sooji, 5 g Moringa leaf Powder) TO ₃ – Instant Moringa Idli Powder 20:70:10 (20 g black gram flour, 70g sooji, 10 g Moringa leaf Powder) TO ₄ - Instant Moringa Idli Powder 20:65:15 (20 g black gram flour, 65g sooji, 15 g Moringa leaf Powder)
No of Replications:	10
Unit Cost	Rs. 250/-
Total cost	Rs 2500/-
Monitoring Indicator:	Technological Observation: 1. Sensory Evaluation by using Hedonic Table i. taste ii colour iii. Flavour iv. Texture and over all acceptability. 2. Packaging Material 3. Shelf life study
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	PJTS Agricultural University, Rudrur, Telangana, India

To delete

Title of the OFT:	Assessment of preparation method of Ragi malt for nutrition enhancement
Thematic Area:	Value Addition
Problem diagnosed:	Lack of knowledge of regarding nutritional component of ragi and low consumption due to bitter taste.
Objective(s):	To increase the shelf life and nutrition content of Ragi
Details of technologies selected for assessment/refinement (Mention either assessed or Refined)	Farmer Practice: Local people use Millet as cereals. TO ₁ – Ragi Malt (250g Ragi Powder, 500 ml milk/water, 100g Jaggery, 50 g dry fruits) TO ₂ – Sprouted Ragi Malt (250g Sprouted Ragi Powder, 500 ml milk/water, 100g Jaggery, 50 g dry fruits)
No of Replications:	10
Monitoring Indicator:	Technological Observation: 1. TSS (Total Soluble Solid) 2. Sensory Evaluation by using Hedonic Table and over all stability
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	IIMR, Hyderabad Telangana

OFT-8 (Home Science)

Title of the OFT:	Assessment of shelf life of guava jam by using different type of preservative and nutrition enhancement
Thematic Area:	Value Addition
Problem diagnosed:	Lack of knowledge of value addition technology of guava
Objective(s):	To increase the shelf life of guava by preservative
Details of technologies selected for assessment/refinement (Mention either assessed or Refined)	TO ₁ (FP) –Local people use guava as fruit TO ₂ – Preparation of Guava Jam with sugar (Formulation- Ingredients are Guava- 1 kg, Sugar- 1Kg, Water-100 ml, Citric acid- 6g, Pectin Powder-10 g, Sodium Benzoate- 1g) TO ₃ – Preparation of Guava Jam with Jaggery Formulation- Ingredients are Guava- 1 kg, Jaggery- 1Kg, Water-100 ml, Citric acid- 6g, Pectin Powder-10 g, Sodium Benzoate- 1g)
No of Replications:	5
Monitoring Indicator:	Technological Observation: 1. TSS (Total Soluble Solid) 2. Acidity 3. Sensory Evaluation by using Hedonic Table and over all stability 4. Pectin Test 5. Packaging Material- 500g Glass Jar 6. Shelf life at different interval
Source of Technology (ICAR/ AICRP/ SAU/ Other, please specify):	DRPCA, Bihar (Centrally designed by ATARI Patna)

specify):	
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OFT-8 (Soil Science)

1	Season	Kharif
2	Problem diagnosed:	Information about performance of finger millet varieties suitable for Gaya is not available.
3	Main cause	Suitable finger millet variety are not available for Gaya district
4	Title of the OFT:	Performance evaluation of some promising cultivars of finger millet in Gaya district
5	Farming situation	Soil type – Sandy loam Land type – Medium Land Irrigation type – Irrigated/ Rainfed
6	Thematic Area:	Crop diversification
7	Farmer practices	RAU-8
8	Technology option selected for assessment:	TO ₁ : Vakula TO ₂ : VL- 376 TO ₃ : Indaf 9
9	Source of technology	ICAR-VPKAS, Almora (2016)
10	No of trial	7
11	Detail of critical input	Name of input Seed, fungicide for seed treatment
12	Cost of individual critical input	Rs.
13	Total cost of critical input	Rs. /ha
14	Performance indicator to be recorded	1. Technical Indicator 1.Days to flowering 2.length of finger 3 No. of fingers per plant 4.No. of tillers per hill 5. Grain yield (q/ha) 1. Economic Indicator 1.cost of cultivation (Rs/ha) 2.B:C ratio 3. Net Return

OFT- 9 (Soil Science)

1	Season	Rabi
2	Problem diagnosed:	Injudicious use of chemical fertilizer
3	Main cause	Soil fertility management
4	Title of the OFT:	Assessment of Effects of INM on soil health and yield of wheat.
5	Farming situation	Soil type – Sandy loam Land type – Medium Land Irrigation type – Irrigated/ Rainfed
6	Thematic Area:	Soil fertility management
7	Farmer practices	RDF
8	Technology option selected for assessment:	Farmer Practice: RDF TO₁: RDF + FYM (2 ton/ha) 20 days before sowing TO₂: RDF + FYM (2 ton/ha) + seed treatment with (Azotobacter + Chroococcum + Azospirillum brasilense cd + Pseudomonas fluorescens) TO₃ : RDF + FYM (2 ton/ha) + seed treatment with (Azotobacter + Chroococcum + Azospirillum brasilense cd + Pseudomonas fluorescens) + soil application of Mycorrhiza few hours before sowing
9	Source of technology	BAU, Sabour
10	No of trial	7
11	Detail of critical input	Seed, fungicide for seed treatment
12	Cost of individual critical input	Rs.
13	Total cost of critical input	12000.0 Rs. /ha
14	Performance indicator to be recorded	1.pH, EC, OC (Before & After). 2 Plant height, Tillering, yield attributing character and Economic yield

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.)
2.	CRAP	25,00,000.00

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

1 – Mushroom Production

2 – Goat farming

12. Scientific Advisory Committee

Date of SAC meeting held during 2023-24	Proposed date during 2024
24 August, 2023	05 September, 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	50	5	1	0	0	40	4	45	5	50	10	50
Water Samples												
Other (Please specify)												
Total	50	5	1	0	0	40	4	45	5	50	10	50

14. Fund requirement and expenditure (Rs.)*

Heads	Expenditure (last year) (Rs.) up to 31.03.2024	Expected fund requirement (Rs.)
Pay and Allowance	1,31,68,480.00	1,60,00,000.00
T.A.	1,00,000.00	1,50,000.00
HRD	15,000.00	25,000.00
Contingency	6,50,000.00	8,00,000.00
Capital	0.00	2,00,000.00
Total	1,39,33,480.00	1,71,75,000.00

* 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
