



ACTION PLAN

(January, 2023 - December, 2023)

**KRISHI VIGYAN KENDRA, KHAGARIA
(Bihar Agricultural University, Sabour, Bhagalpur)**

Krishi Vigyan Kendra, Khagaria

(Bihar Agricultural University, Sabour, Bhagalpur)

ACTION PLAN 2023

1. Name of the KVK: KHAGARIA

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2. Name of host organization:

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

(A) Farmers and Farm women

Thematic Area	No. of Courses	Duration (days)	Venue off/on campus	No. of Participants									Grand Total		
				Other			SC			ST			M	F	T
				M	F	T	M	F	T	M	F	T			
I. Crop Production	24	48	On/Off	264	144	408	120	72	192	0	0	0	384	216	600
II. Home Science/Women empowerment	12	24	On/Off	36	60	96	72	132	204	0	0	0	108	192	300
III. Plant Protection	36	72	On/Off	180	108	288	396	216	612	0	0	0	576	324	900
GRAND TOTAL	72	144	On/Off	480	312	792	588	420	1008	0	0	0	1068	732	1800

(B) Rural youth

Thematic Area	No. of Courses	Duration (days)	Venue off/on campus	No. of Participants									Grand Total		
				Other			SC			ST			M	F	T
				M	F	T	M	F	T	M	F	T			
Integrated farming	01	03	On/Off	11	06	17	05	03	08	-	-	-	16	09	25
Seed production	09	27	On/Off	99	54	153	45	27	72	-	-	-	144	81	225
Small scale processing	04	12	On/Off	24	44	68	12	20	32	-	-	-	36	64	100
Mushroom Production	01	03	On/Off	06	11	17	03	05	08	-	-	-	09	16	25

Thematic Area	No. of Courses	Duration (days)	Venue off/on campus	No. of Participants									Grand Total		
				Other			SC			ST					
				M	F	T	M	F	T	M	F	T	M	F	T
Tailoring and Stitching	01	03	On/Off	-	17	17	-	08	08	-	-	-	-	25	25
Rural Crafts	01	03	On/Off	-	17	17	-	08	08	-	-	-	-	25	25
Value addition	04	12	On/Off	24	44	68	12	20	32	-	-	-	36	64	100
Bee Keeping	06	18	On/Off	66	36	102	34	14	48	-	-	-	100	50	150
Mushroom Cultivation	02	06	On/Off	22	12	34	10	06	16	-	-	-	32	18	50
Bio control of Pest & disease	01	03	On/Off	11	06	17	05	03	08	-	-	-	16	09	25
TOTAL	30	90	On/Off	263	247	510	126	114	240				389	361	750

(C). Extension functionaries

Thematic Area	No. of Courses	Duration (days)	Venue off/on campus	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	02	04	On/Off	22	12	34	10	06	16	-	-	-	32	18	50
Weed Management	01	02	On/Off	11	06	17	05	03	08	-	-	-	16	09	25
INM	01	02	On/Off	11	06	17	05	03	08	-	-	-	16	09	25
Low cost and nutrient efficient diet designing	01	02	On/Off	06	11	17	03	05	08	-	-	-	09	16	25
Women and child care	01	02	On/Off	-	17	17	-	08	08	-	-	-	-	25	25
Household food security	01	02	On/Off	06	11	17	03	05	08	-	-	-	09	16	25
Gender main streaming through SHG’s	01	02	On/Off	06	11	17	03	05	08	-	-	-	09	16	25
Integrated Pest Management	02	04	On/Off	22	12	34	10	06	16	-	-	-	32	18	50
Integrated Disease Management	02	04	On/Off	22	12	34	10	06	16	-	-	-	32	18	50
Bio Control of Pest & disease	01	02	On/Off	11	06	17	05	03	08	-	-	-	16	09	25
TOTAL	13	26	On/Off	117	104	221	54	50	104				171	154	325

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

(A) FARMERS AND FARM WOMEN

Discipline	Thematic area	Qtr. No. & Month	Title of Training	No.	Duration (days)	Venue on/off campus	No. of Participants								
							SC		ST		Others		Total		
							M	F	M	F	M	F	M	F	T
Agronomy	Cropping Systems	Jan to March, 2023	Scientific cultivation of Sun flower	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping system.		Scientific cultivation of Sun flower	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Summer Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Sun flower	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Green gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Green Gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management	April to June, 2023	Integrated Weed Management in Kharif Crops	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Soybean	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Soybean	01	02	ON/OFF	05	03	-	-	11	06	16	09	25

	Cropping Systems		Scientific cultivation of Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Kharif Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management	July to Sept, 2023	Integrated Weed Management of Soybean	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management of Soybean	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems	Oct to Dec, 2023	Scientific cultivation of Oilseeds	01	02	ON/OFF	05	03	-	-	11	06	16	09	25

	Cropping Systems		Scientific cultivation of lentil	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of lentil	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Rabi Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Cropping Systems		Scientific cultivation of Wheat	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Weed Management		Integrated Weed Management in Wheat	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
TOTAL				24	48		120	72			264	144	384	216	600

Home Science

Home Science	Designing and development for high nutrient efficiency diet	Jan, to March, 2023	Millet Research as a Sustainable Food Source	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Designing and development for high nutrient efficiency diet		Preparation and processing of Mushroom products	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Value Addition		Preparation and processing of orange juice	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Enterprise development	April, to	Mushroom Cultivation and their value added	01	02	ON/OFF	03	05	-	-	06	11	09	16	25

		June, 2023	products												
	Generation activities for empowerment of rural Womens		Mushroom Cultivation and their value added products	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Design and development for high nutrient efficiency diet		Preparation of maize based nutritious products for growing children	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Location specific drudgery reduction technologies	July, to Sept, 2023	Importance of Bhindi Pucker in Nutri garden	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Design and development for high nutrient efficiency diet		Preparation of maize based nutritious products for growing children	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Income Generation		Milky Mushroom Cultivation	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Women and Child Care	Oct, to Dec, 2023	Health Benefits Of Millet For Pregnant Women and children	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Drudgery Reduction Technology		Importance of improved weeding tools for intercultural operations for farm women	01	02	ON/OFF	03	05	-	-	06	11	09	16	25
	Rular Craft		Making of macramé	01	02	ON/OFF	03	05	-	-	06	11	09	16	25

			products for income generation												
Total				12	24		36	60			72	132	108	192	300
Plant Protection															
Plant Protection	IPM	Jan, to March, 2023	IPM in Vegetables	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Vegetables	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Greem Gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Green Gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Pulses	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Pulses	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Oilseeds	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Bio control of pest and diseases	April, to June, 2023	Importance of natural farming and management of pest and disease by natural products in vegetables	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Bio control of pest and diseases		Importance of natural farming and	01	02	ON/OFF	05	03	-	-	11	06	16	09	25

			management of pest and disease by natural products in vegetables												
	Production of bio control agents and bio pesticides		Production of Natural insects and disease control products	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	Production of bio control agents and bio pesticides		Production of Natural insects and disease control products	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Green Gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Green Gram	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Fruit Crops	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM	July, to Sept, 2023	IPM in Soybean	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Banana	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Banana	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Millets	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25

	IPM		IPM in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Paddy	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Kharif Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM	Oct, to Dec, 2023	IDM in Pulses Crop	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in vehetables	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM		IPM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IDM		IDM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25
	IPM	IPM in Mustard	01	02	ON/OFF	05	03	-	-	11	06	16	09	25	
	IDM	IDM in Mustard	01	02	ON/OFF	05	03	-	-	11	06	16	09	25	
IPM	IPM in Maize	01	02	ON/OFF	05	03	-	-	11	06	16	09	25		
Total				36	72		180	108			396	216	576	324	900

B. RURAL YOUTHS

Discipline	Thematic area	Qtr. No. & Month	Title of Training	No.	Duration (days)	Venue on/off campus	No. of Participants								
							SC		ST		Others		Total		
							M	F	M	F	M	F	M	F	T
Agronomy	Seed Production	Jan, to March, 2023	Seed Production Technique of Green gram	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production		Seed Production Technique of Green gram	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Integrated farming	April, to June, 2023	Training on Integrated farming	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production		Seed Production Technique of Sunflower	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production		Seed Production Technique of Millets	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production	July to Sept, 2023	Seed Production Technique of Paddy	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production		Seed Production Technique of DSR Paddy	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production	Oct, to Dec, 2023	Seed Production Technique of Rapeseed Mustard	01	03	On/Off	05	03	-	-	11	06	16	09	25

	Seed Production		Seed Production Technique of Wheat	01	03	On/Off	05	03	-	-	11	06	16	09	25
	Seed Production		Seed Production Technique of Lentil	01	03	On/Off	05	03	-	-	11	06	16	09	25
TOTAL				10	30		50	30			110	60	160	90	250

Home Science

Home Science	Value Addition	Jan, to March, 2023	Processing and Preparation of Millet Products	01	03	On/Off	03	05	-	-	06	11	09	16	25
	Small scale processing		Preservation of Vegetables and fruits for entrepreneurship development	01	03	On/Off	03	05	-	-	06	11	09	16	25
	Mushroom Cultivation		Technique of Mushroom Cultivation	01	03	On/Off	03	05	-	-	06	11	09	16	25
	Value Addition	April, to June, 2023	Preparation of green mango products	01	03	On/Off	03	05	-	-	06	11	09	16	25
	Tailoring and stitching	July, to Sept, 2023	Cutting and stitching of ladies garments	01	03	On/Off	-	08	-	-	-	17	-	25	25
	Value Addition		Processing and Preparation of Ragi Products	01	03	On/Off	03	05	-	-	06	11	09	16	25
	Rural craft	Oct, to Dec,	Income generation	01	03	On/Off	-	08	-	-	-	17	-	25	25

		2023	through Tie and Dye												
	Value Addition		Mushroom Cultivation and their value added products	01	03	On/Off	03	05	-	-	06	11	09	16	25
Total				08	24	On/Off	18	46			36	100	54	146	200
Plant Protection															
Plant Protection	Bee Keeping	Jan, to March, 2023	Bee Keeping and honey production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Mushroom Cultivation		Techniques of mushroom production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Mushroom Cultivation	April, to June, 2023	Techniques of mushroom production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Bee Keeping		Bee Keeping and honey production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Bee Keeping	July, to Sept, 2023	Bee Keeping and honey production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Bee Keeping	Oct, to Dec, 2023	Bee Keeping and honey production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
	Bee Keeping		Bee Keeping and honey production	01	03	ON/OFF	05	03	-	-	11	06	16	09	25
Total				07	21		35	21	-	-	77	42	112	63	175

(C) EXTENSION FUNCTIONARIES

Discipline	Qtr. No. & Month	Thematic area	Course Title	No.	Duration (days)	Venue off/on campus	No. of Participants								
							SC			ST	Other		Total		
							M	F	M	F	M	F	M	F	T
Agronomy	Jan to March, 2023	Productivity enhancement in field crops	Introduction of summer crops new varieties and production technique	01	02	ON	05	03	-	-	11	06	16	09	25
	April to June, 2023	Productivity enhancement in field crops	Introduction of Kharif crops new varieties and production technique	01	02	ON	05	03	-	-	11	06	16	09	25
	July to Sept, 2023	Weed Management	Integrated Weed Management in Kharif Crops	01	02	ON	05	03	-	-	11	06	16	09	25
	Oct to Dec, 2023	INM	Integrated Nutrient Management in Rabi Crops	01	02	ON	05	03	-	-	11	06	16	09	25
TOTAL				04	08		20	12			44	24	64	36	100
Home Science	Jan to March, 2023	Low cost and nutrient efficient diet designing	Preparation of low cost value added products from locally available resources	01	02	ON	03	05	-	-	06	11	09	16	25
	April to June, 2023	Women and child care	Role of women in rural development	01	02	ON	-	08	-	-	-	17	-	25	25
	July to Sept, 2023	Household food security	Scientific methods of storage of Millets.	01	02	ON	03	05	-	-	06	11	09	16	25
	Oct to Dec, 2023	Gender main streaming through SHG's	Formation and functioning of SHG's for rural women	01	02	ON	-	08	-	-	-	17	-	25	25
Total				4	8		6	26			12	56	18	82	100
Plant Protection	Jan to March, 2023	Integrated Pest Management	IPM in Maize	01	2	ON/OFF	5	3	-	-	11	6	16	9	25

Discipline	Qtr. No. & Month	Thematic area	Course Title	No.	Duration (days)	Venue off/on campus	No. of Participants								
							SC			ST	Other		Total		
							M	F	M	F	M	F	M	F	T
		Integrated Disease Management	IDM in Maize	01	2	ON/OFF	5	3	-	-	11	6	16	9	25
	April to June, 2023	Integrated Pest Management	IPM in Green Gram	01	2	ON/OFF	5	3	-	-	11	6	16	9	25
	July to Sept, 2023	Integrated Disease Management	IDM in Millets	01	2	ON/OFF	5	3	-	-	11	6	16	9	25
	Oct to Dec, 2023	Bio Control of Pest & disease	Production of Natural products for the control of disease and insets	01	2	ON/OFF	5	3	-	-	11	6	16	9	25
TOTAL				05	10		25	15			55	30	80	45	125
GRAND TOTAL				13	26		51	53			111	110	162	163	325

5. FRONTLINE DEMONSTRATION TO BE CONDUCTED

5.1 FLD on Agronomy

Crop : Wheat and Paddy

Thrust Area : Increasing productivity of wheat and Paddy for promotion of newly released variety of BAU, Sabour in farmers field

Thematic Area: Cropping System

Season : Rabi and Kharif

Farming Situation : 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								
					Name of Inputs	Demo	Local	SC		ST		Other		Total		
								M	F	M	F	M	F	M	F	T
1	Paddy	4.00	Sabour Sammpan	Grain yield, Cost of Cultivation, Net return and BC ratio	Seed	-	-	1	1	-	-	7	1	8	2	10
2	Bio fortified wheat	4.00	BHU- 31	Grain yield, Cost of Cultivation, Net return and BC ratio	Seed	-	-	1	1	-	-	7	1	8	2	10

Extension and Training activities under FLD:

Activity	Title of Activity	No.	Clientele	Duration	Venue On/Off	No. of Participants								
						SC		ST		Other		Total		
						M	F	M	F	M	F	M	F	
Training	Scientific cultivation of Paddy	1	PF	02	ON	4	2	-	-	13	0	17	8	25
Training	Scientific cultivation of Wheat	1	PF	02	ON	4	2	-	-	13	6	17	8	25
Field Day	Scientific cultivation of Wheat	1	PF	01	OFF	8	4	-	-	26	12	34	16	50

5.2 FLD on Plant Protection

Crop : Maize
Thrust Area : Management of FAW in Maize
Thematic Area: IPM
Season : Rabi

Sl. No .	Crop & variety / Enterprises	Proposed Area (ha)/ Unit (No.)	Technology package for demonstration	Parameter (Data) in relation to technology demonstrated	Cost of Cultivation (Rs.)			No. of farmers / demonstration								
					Name of Inputs	Demo	Local	SC		ST		Othe r		Total		
								M	F	M	F	M	F	M	F	T
01	Maize	20	Application of sand at 5 % damage, spraying of emamectin benzoate @ 0.4 gm/lit, , and Thiamaxime 12.06 % + Lambda cyholothrin 9.5% @ 0.5 ml/lt.	Grain yield, Cost of Cultivation, Net return and BC ratio	Sand, emamectin benzoate and tjaimethoxan12.6 % + Lambda cyholothrin 9.5%	25,000	30,000	9	1	-	-	35	05	44	6	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	
Training	Management of FAW in Maize	01	PF	02	ON	4	2	-	-	13	6	17	8	25
	Management of FAW in Maize	01	PF	02	ON	4	2	-	-	13	6	17	8	25
Field Day	Impact of Management of FAW	01	PF	02	OFF	4	2	-	-	13	6	17	8	25

5.3 FLD on Home Science

Crop : Mushroom, Bhindi
Thrust Area : Enhanced cultivation of vegetables.
Thematic Area: Income Generation
Season : Rabi and Kharif
Farming Situation : Irrigated

Sl. No.	Season	Thematic Area	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	Kharif	Nutritional Security and Income generation	Milky Mushroom	100 bag/room	Milky Mushroom	Yield (kg/bag), Cost of cultivation, Gross cost, Net return, B:C ratio	Mushroom Kit	8000	4000	02	20	-	-	08	20	10	40	50
2	Rabi	Nutritional Security and Income generation	Button Mushroom	125 q	Button Mushroom	Yield (kg/bag), Cost of cultivation, Gross cost, Net return, B:C ratio	Button Mushroom Kit	8000	4000	02	05	-	-	03	15	05	20	25
3	Rabi	Nutritional Security and Income generation	Oyster Mushroom	100 bag	Oyster Mushroom	Yield (q/ha), Cost of cultivation, Gross cost, Net return, B:C ratio	Oyster Mushroom Kit	8000	4000	03	25	-	-	07	15	10	40	50
4	Kharif/ Rabi	Drudgery Reduction	Bhindi Plucker	200 m ²	Bhindi Plucker	Area covered /hour, Total time requirement , BCR	Bhindi Plucker and Dastana	5000	4000	05	15	-	-	15	15	20	30	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	Scientific Cultivation of mushroom production for self employment	05	RY	05	ON/OFF	02	3	-	-	05	20	07	23	30
Field Day	Bhindi Plucker	01	RY	01	OFF	10	20	-	-	15	55	25	75	100

6. (a) SEED AND PLANTING MATERIAL PRODUCTION BY UTILIZATION OF INSTRUCTIONAL FARM (CROPS / ENTERPRISES)

Name of the Crop / Enterprise	Variety / Type	Period	Area (ha.)	Details of Production				
				Type of Produce	Expected Production (quintals)	Cost of inputs (Rs.)	Expected Gross income (Rs.)	Expected Net Income (Rs.)
Wheat	HD- 2967	2022-23	07.00	F/S	252.00	Crop is standing in the field		
Paddy	Sabour Sampan	2023	04.00	F/S	100.00	To be cultivated in Kharif 2023		
Vegetables	Vegetables	2022-23	0.05	Seedling	10000.00	Continue		

(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.)
Vegetables	Improved	2022-23	0.05	500	Seedling	10000.00	Continue		

CLUSTER FRONTLINE DEMONSTRATION

Sl. No.	Season	Crop	Variety / Technology	No. of Farmers / Demonstration	Area (ha)
01	Kharif, 2023	Soybean	PS-1225/1241	50	20.00
02	Rabi, 2023-24	Lentil	IPL- 316	50	20.00
03	Summer, 2024	Sunflower	KBSH-41/ Any Recent Variety	50	20.00
04	Summer, 2024	Green Gram	Virat	50	20.00

8. **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	6	475	150	625	18	10	02	12	485	152	637
2.	Kisan Ghosthi	4	300	100	400	10	10	02	12	310	102	412
3.	Exhibition	6	450	150	600	15	50	10	60	500	160	660
4.	Film Show	3	700	300	1000	20	180	20	200	880	320	1200
5.	Farmers Seminar	4	150	50	200	17	4	-	4	154	50	204
6.	Group meetings	4	75	25	100	15	8	2	10	83	27	110

7.	Lectures to be delivered as resource persons	30	800	100	900	18	28	2	30	828	102	930
8.	Advisory Services	24	Mass	0	0	0	0	0	0	0	0	0
9.	Scientific visit to farmers field	50	450	50	500	15	45	5	50	495	55	550
10.	Farmers visit to KVK	500	400	100	500	15	-	-	-	400	100	500
11.	Diagnostic visits	12	50	10	60	15	5	2	7	55	12	67
12.	Exposure visits	2	80	20	100	17	2	-	2	82	20	102
13.	Ex-trainees Sammelan	2	50	10	60	15	-	-	-	50	10	60
14.	Soil health Camp	2	250	50	300	15	4	1	5	254	51	305
15.	Animal Health Camp	2	80	20	100	15	4	1	5	84	21	105
16.	Soil test campaigns	2	85	15	100	17	4	0	4	89	15	104
17.	Farm Science Club Conveners meet	1	90	10	100	17	2	1	3	92	10	102
18.	Celebration of important days International Womens Day International Science Day World Food Day World Environment Day and others	06	450	150	600	15	50	10	60	500	160	660
19.	World Soil Day	1	400	100	500	17	15	10	25	415	110	500
20.	Any Other (Specify)	1	50	50	100	25	5	10	25	0	0	0
	Total	662	5385	1460	6845	311	426	78	514	5756	1477	7233

9. REVOLVING FUND (IN RS.)

Opening balance of 2021-22 (As on 01.04.2021)	Amount proposed to be invested during 2023	Expected Return
22,99,231.00	25,0000.00	20,49,231.00

10. EXPECTED FUND FROM OTHER SOURCES AND ITS PROPOSED UTILIZATION

Project	Source	Amount to be received (Rs. in lakh)
Biotech Kisan Hub	DBT	17.91
CRA	Govt. of Bihar	32.00
ATMA	Govt. of Bihar	0.99
BSDM	Govt. of Bihar	5.00

11. ON-FARM TRIALS TO BE CONDUCTED

11.1 Agronomy (Rabi)

1.	Title of On farm Trial	Integration of fertilizer in different form on yield of lentil.
2.	Problem diagnosed	Injudicious use of chemical fertilizer
3.	Details of technologies selected for assessment/refinement	(a) Farmer Practice: Seed Treatment + RDF (b) Technological Option1: 50% of RDF + WS 18:18:18 @5gm./ltr water (Single spray at preflowering stage) (c) Technological Option2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /lit of water (Single spray at preflowering stage)
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Nutrient Management
6.	Performance of the Technology with performance indicators	Seed, 18:18:18 (WS)

11.2 Agronomy (Kharif)

1.	Title of On farm Trial	Improvement of Nitrogen use efficiency in rice.
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement	(a) Farmer Practice: RDF (100:40:20) Kg/ha (b) Technological Option 1: 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at pre flowering stage). (c) Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
4.	Source of Technology	BAU, Sabour
5.	Production system and thematic area	Nutrient Management
6.	Performance of the Technology with performance indicators	Seed, Nano urea

11.3 Home Science

1.	Title of On farm Trial	Assessment of different kind of preservatives (vinegar) for increasing shelf life of mushroom pickles.
2.	Problem diagnosed	Rural people have no idea about nutrition, preservation and preservatives for increase shelf life of carrot product.
3.	Details of technologies selected for assessment/refinement	Farmer practices: - No use of chemical preservative Technological Option I- use of sugarcane vinegar Technological Option II- use of jamun vinegar
4.	Source of Technology	RAU, Pusa, Samastipur
5.	Production system and thematic area	Value Addition
6.	Performance of the Technology with performance indicators	Quarterly Evaluation of color, Taste, Texture and shelf Life.

11.4 Home Science

1.	Title of On farm Trial	Assessment of preparation method of litchi squash
2.	Problem diagnosed	Farm women's products have low keeping quality, color and flavor with low economic returns
3.	Details of technologies selected for assessment/refinement	F.P: Sell fruits to processors at very low or throw away price T.O.-1: Process for preparation of litchi squash Formulation (Product specifications) Litchi pulp: 25%, TSS: 40°B, Acidity : 0.8%, 350 ppm SO ₂ T.O.-2: Process for preparation of litchi squash Formulation (Product specifications) Litchi pulp: 25%, TSS: 45°B, Acidity :1.2%, 350 ppm SO ₂
4.	Source of Technology	DRPCAUI Pusa, Samastipur
5.	Production system and thematic area	Value Addition
6.	Performance of the Technology with performance indicators	TSS (Refractometer) Acidity (Titration with 0.1N NaOH) Sensory score (9-point Hedonic scale)

11.5 Plant Protection

1.	Title of On farm Trial	Assessment of management of practices for Red Banded Caterpillar in Mango
2.	Problem diagnosed	Heavy loss due to attack of Red Banded Caterpillar in mango
3.	Details of technologies selected for assessment/refinement	F.P :- Spray of Chlorpyrifos as and when symptoms appear TO 1 :- (a) Collection and destruction of all fallen fruits (b) Spray delta methrin 0.0028 % (Deltamethrin 2.8EC@1ml/lit) at marble size and repeat after two weeks. TO2 :- Two sprays of Thiacloprid 21.7 SC 0.04 %@(2ml/lit of water) at 25 – 30 days interval.
4.	Source of Technology	ATARI , Patna
5.	Production system and thematic area	Mango, Integrated Pest Management
6.	Performance of the Technology with performance indicators	•Observation will be taken for No. Of fallen fruits/ Larvae / damaged fruits / no. Of holes at 5 spots in each plot on 10 randomly selected plants •Yield /ha •Economics analysis

11.6 Plant Protection

1.	Title of On farm Trial	Eco friendly management of Banana Scarring beetle (Basilepta subcostatum Jacoby).
2.	Problem diagnosed	Heavy loss due to infestation of Scarring beetle in Banana
3.	Details of technologies selected for assessment/refinement	F.P :- Chlorpyrifos 20 EC @1.0 ml/lit TO 1- : • Soil application of Chlorpyrifos 20 EC @ 0.08 %(4ml/lit) • Bunch spraying with acephate (0.1125%) just after hand opening followed by bunch cover with polypropylene bag. TO 2 :- • Soil application of Beauveria bassiana(1*10⁷ cfu/ml, aaaaaa5 200 ml/plant) • Bunch spraying with acephate (0.1125 %) just after 1st hand opening, followed by bunch cover with polypropylene bag.
4.	Source of Technology	ATARI, Patna
5.	Production system and thematic area	Banana, Integrated Pest Management
6.	Performance of the Technology with performance indicators	Infestation %, Yield (q/ha) G. Cost (Rs/ha), GR (Rs/ha) NR (Rs/ha), B:C ratio

**12. LIST OF PROJECT TO BE IMPLEMENTED BY FUNDING FROM OTHER SOURCES
(OTHER THAN KVK FUND)**

Sl. No.	Name of the project	Fund expected (Rs.)
01	CRA Prog. (Bihar Gov.)	40,00000.00
02	Biotech Kisan Hub	18,00000.00
03	ATAMA	99,000.00
TOTAL		

**13. NO. OF SUCCESS STORIES PROPOSED TO BE DEVELOPED WITH THEIR
TENTATIVE TITLES**

i. CRA programme is new technology for farmers doubling income

ii. Bee Keeping, Mushroom Production, G9 Banana farming helps to farmers doubling income generation.

Scientific Advisory Committee

Date of SAC meeting held during 2023	Proposed date during 2023
28.07.2023	16.07.2023

14. SOIL AND WATER TESTING

Details	No. of Samples	No. of Farmers									No. of Villages	No. of SHC distributed
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		
Soil Samples	1000	125	50	-	-	700	125	825	175	1000	50	1000
Total	1000	125	50	-	-	700	125	825	175	1000	50	1000

15. Purposed Domain Training

Sl. No	Name of Training	Domain Name	Financial Year
01	BSDM	Bee Keeper	2023-24
02		Quality Seed Grower	
03	RPL	Bee Keeper	
04		Mushroom Grower (Entrepreneur)	
05		Vermicompost Producer	

16. FUND ALLOTMENT AND EXPENDITURE (RS.)*(2023-23)

Heads	Budget Estimate 2023-23		Expenditure (Rs.)	
Salary	ICAR Sanction	SCSP		
Pay & Allowances	10,278,003.00			
General (Recurring)				
Traveling allowances	75000.00			
HRD	15,000.00			
Contingencies (General)				
Stationary, Telephone, postage and office	200,000.00	125,000.00		
Training of farmers	425,000.00			
Training materials				
Training of extension functionaries				
Training of Rural Youth				
FLD				
OFT				
Soil and water testing lab				
Maintenance of building				
Extension activities				
Capital (Non -Recurring)				
Furniture & Fixture			100,000.00	
Equipments				
Library				
IT				
And Others				
Total	10,993,003.00.00	225,000.00		

* Any additional requirement may be suitably justified.

17. 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 actual data