



ANNUAL ACTION PLAN 2024

(January-December)

KRISHI VIGYAN KENDRA, HALSI LAKHISARAI, BIHAR-811306

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KRISHI VIGYAN KENDRA, HALSI, LAKHISARAI - 811306 Annual Action Plan January, 2024 to December, 2024

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Action Plan (2024)

Name of the KVK : Krishi Vigyan Kendra, Halsi, Lakhisarai

Name of host organization : Bihar Agricultural University, Sabour

1. Training programme to be organized (January 2024 to December 2024) <u>Farmers and Farm Women</u>

C	Dissiplins	Manah	Thomaticana	C	Course	Duration	N	No. of	participa	nts
S.no.	Discipline	Month	Thematic area	Course title	No.	(days)	SC	ST	Others	Total
	Plant			Seed production of						
	Breeding &			green gram & cow						
1	Genetic	Jan.	Seed Production	pea	1	2	0	-	22	22
	Plant									
	Breeding &			Seed production of		_				
2	Genetic	Feb.	Seed Production	green gram	1	2	0	-	22	22
	Plant									
	Breeding &	3.6	G 1D 1 .:	Seed production of		2	•		22	22
3	Genetic	Mar.	Seed Production	green gram	1	2	0	-	22	22
	Plant			C ID L						
1	Breeding &	Α	C 1 D 1 4:	Seed Production of	1	2	0		22	22
4	Genetic Plant	Apr	Seed Production	Rice & Pigeonpea	1	2	0	-	22	22
	Breeding &			Seed Production of						
5	Genetic	Apr	Seed Production	Ragi	1	2	0	_	22	22
	Plant	Дрі	Seed I Toduction	Ragi	1	2	U		22	22
	Breeding &			Seed Production of						
6	Genetic	May	Seed Production	Rice & Pigeonpea	1	2	0	_	22	22
	Plant	1114	20001100000000	The colligion pow	-	_				
	Breeding &			Seed Production of						
7	Genetic	May	Seed Production	Rice & Pigeonpea	1	2	0	_	22	22
	Plant									
	Breeding &			Seed Production of						
8	Genetic	June	Seed Production	Rice & Pigeonpea	1	2	0	-	22	22
	Plant			Seed Production of						
	Breeding &			Rice, Pigeonpea &						
9	Genetic	June	Seed Production	blackgram	1	2	0	-	22	22
	Plant			Seed Production of						
	Breeding &			Rice, Pigeonpea &		_				
10	Genetic	July	Seed Production	blackgram	2	2	6	-	19	25
	Plant			Seed Production of						
1.1	Breeding &	T 1	G 1D 1 .:	Rice, Pigeonpea &		2			10	2.5
11	Genetic	July	Seed Production	blackgram	2	2	6	-	19	25
	Plant			Seed Production of						
12	Breeding &	A 110	Seed Production	Rice, Pigeonpea &	2	2	6		19	25
12	Genetic Plant	Aug	Seed Floduction	blackgram	2	2	6	-	19	25
	Breeding &			Seed Production of						
13	Genetic Genetic	Aug	Seed Production	Pigeonpea	1	2	6	_	19	25
13	Genetic	1148	Seed Hoddelloll	Seed Production of	1		- 0	-	17	
	Plant			Rapeseed and						
	Breeding &			Mustard, Lentil,						
14	Genetic	Sept.	Seed Production	Gram	2	2	6	-	19	25
	Plant									
	Breeding &			Seed Production of						
15	Genetic	Sept.	Seed Production	Lentil & Gram	2	2	6	-	19	25
16	Plant	Oct.	Seed Production	Seed Production of	2	2	6	-	19	25

	Breeding &			Lentil, gram &						
	Genetic Plant			wheat Seed Production of						
	Breeding &			Lentil, gram &						
17	Genetic	Oct.	Seed Production	wheat	2	2	6	_	19	25
	Plant			Seed Production of						-
	Breeding &			Rajma & French						
18	Genetic	Oct	Seed Production	bean	2	2	6	-	19	25
	Plant			Seed Production of						
	Breeding &			Lentil, gram &						
19	Genetic	Nov.	Seed Production	wheat	2	2	6	-	19	25
	Plant			Seed Production of						
	Breeding &			Lentil, gram &						
20	Genetic	Nov.	Seed Production	wheat	2	2	6	-	19	25
	Plant			Production of						
	Breeding &			vermin compost &						
21	Genetic	Dec.	Vermi compost	organic cultivation	2	2	6	-	19	25
		_	Weed	Weed Management		_				• •
22	Agronomy	Jan	Management	in wheat	1	2	5	-	15	20
		F 1	Water	Micro irrigation		2				20
23	Agronomy	Feb	management	system in pulsed	1	2	5	-	15	20
2.4		F.1	10) (Scientific method		2	_		1.5	20
24	Agronomy	Feb	ICM	of summer moong	1	2	5	-	15	20
				Scientific method						
25	A	M 1-	ICM	of Sesamum & Saf	1	2	_		1.5	20
25	Agronomy	March	ICM	flower	1	2	5	-	15	20
			Casanins	Summer ploughing for better soil						
26	Agronomy	March	Cropping	health	1	2	5	_	15	20
20	Agronomy	Maich	system	Green manuaring	1		3	-	13	20
			Production of	for better soil						
27	Agronomy	March	organic inputs	health	1	2	5	_	15	20
21	Agronomy	Maich	organic inputs	Scientific method	1	<u> </u>	3	-	13	20
			Crop	of sunflower						
28	Agronomy	April	Diversification	cultivation	1	2	5	_	15	20
	rigionioni	119111	Integrated	Importance of IFS	-				- 10	
29	Agronomy	April	Farming	for higher Income	1	2	5	_	15	20
				Nursery	_					
				management for						
			Nursery	higher Paddy						
30	Agronomy	May	Management	cultivation	1	2	5	-	15	20
				Integrated weed						
			Weed	management in						
31	Agronomy	June	management	Paddy crops	1	2	5	-	15	20
				Direct seeding						
32	Agronomy	June	RCT	method of Rice	1	2	5	-	15	20
			Integrated	Importance of						
			nutrient	BGA &Azolla in		2	_ ا		1.5	20
33	Agronomy	July	management	paddy cultivation	1	2	5	-	15	20
				Scientific method						
24	A	T 1	ICM	of paddy & Millet	1	2	_		1.5	20
34	Agronomy	July	ICM	cultivation	1	2	5	-	15	20
				Package and						
35	Agranami	Λ.,,~	ICM	practice Pigeonpea cultivation	1	2	5		15	20
33	Agronomy	Aug	Weed	Weed management	1	<i>L</i>	ر ا	-	13	20
36	Agronomy	Aug	Management	in Maize	1	2	5	_	15	20
30	Agronomy	Aug	ivianagement	Improved package	1	<u> </u>	,		13	20
				and practices of						
37	Agronomy	Sep	ICM	Rapeseed &	1	2	5	_	15	20
/	1.5.01101119	~~P	101,1	1pessed &	-			·	1.0	20

Agronomy		I		1	Mustard			1			
38 Agronomy Sep INM Use of Rhizobium pulse 1 2 5 - 15 20											
38 Agronomy Sep INM culture in pulse 1 2 5 - 15 20											
Agronomy	20		C	DD4		1	2	_		1.5	20
39 Agronomy Oct	38	Agronomy	Sep	INM		l	2	5	-	15	20
30 Agronomy				***	Zero tillage						
Agronomy			_			_		_			
Agronomy	39	Agronomy	Oct	management	l l	1	2	5	-	15	20
40 Agronomy Oct ICM											
Agronomy Nov Integrated Num in wheat Crops 1 2 5 - 15 20											
Agronomy	40	Agronomy	Oct	ICM	cultivation	1	2	5	-	15	20
Agronomy Nov management Crops 1 2 5 - 15 20				Integrated							
Importance of Rhizobium culture and PSB in Lentil 1				Nutrient	INM in wheat						
Importance of Rhizobium culture and PSB in Lentil 1	41	Agronomy	Nov	management	crops	1	2	5	-	15	20
Agronomy											
Agronomy											
Late shown methods of wheat cultivation 1	42	Agronomy	Nov	INM		1	2	5	_	15	20
Agronomy Dec ICM methods of wheat	12	rigionomy	1101	11111		1				13	20
Agronomy Dec ICM											
Agronomy Dec management	12	A	Daa	ICM		1	2	5		15	20
Water	43	Agronomy	Dec	ICIVI		1		3	-	13	20
Agronomy Dec management Wheat 1 2 5 - 15 20				****							
Agronomy Dec Fodder production Green fodder 1 2 5 - 15 20			_			_	_	_			
Fodder Fodder Cultivation for green fodder 1 2 5 - 15 20	44	Agronomy	Dec	management	l l	1	2	5	-	15	20
45 Agronomy Dec Production green fodder 1 2 5 - 15 20											
Mort. Jan INM Mgt. in Onion 1 1 5 - 15 20											
A	45	Agronomy	Dec	production	green fodder	1	2	5	-	15	20
A7					Integrated Nutrient						
A7	46	Hort.	Jan	INM	Mgt. in Onion	1	1	5	-	15	20
Hort. Jan Cultivation of veg. Cultivation of capsicum 1											
A7				Cultivation of							
A8	47	Hort	Jan			1	1	5	_	15	20
A8		11011	0 0111	1.58.		-				- 10	
Mar				Cultivation of							
Processing & value addition of fruit & vegetable crops 1 2 5 - 15 20	18	Hort	Feb			1	1	5		15	20
Hort Feb Processing & value addition Vegetable crops 1 2 5 - 15 20	40	11011	1.60	veg.		1	1	3	-	13	20
Hort Feb value addition vegetable crops 1 2 5 - 15 20				D . 0							
Use of hormones in fruits & vegetable 1	40	TT .	г.1				2	_		1.5	20
Solution Hort. Mar Yield increment Cultivation 1 1 5 - 15 20	49	Hort	Feb	value addition	<u> </u>	1	2	3	-	15	20
So											
So											
Signature Sign											
Signature Hort. Mar Fruit production technique in Guava 1 1 5 - 15 20	50	Hort.	Mar	Yield increment		1	1	5	-	15	20
Layout and Mgt. 52 Hort April of orchards Cultivation of vegetables Cultivation of vegetable Cultivation of vegetable Froduction technology of Elephant foot yam (Ol) and French bean. broccoli and baby corn etc. May Production Layout and Mgt. May analogo and guava orchards 1 1 5 - 15 20 Scientific cultivation of Cucurbits. 1 1 5 - 15 20 Production technology of Elephant foot yam (Ol) and French bean. broccoli and baby corn etc. Nursury raising of											
Layout and Mgt. 52 Hort April of orchards Cultivation of vegetables Cultivation of vegetable Cultivation of vegetable Froduction technology of Elephant foot yam (Ol) and French bean. broccoli and baby corn etc. May Production Layout and Mgt. May analogo and guava orchards 1 1 5 - 15 20 Scientific cultivation of Cucurbits. 1 1 5 - 15 20 Production technology of Elephant foot yam (Ol) and French bean. broccoli and baby corn etc. Nursury raising of	51	Hort.	Mar	Fruit production		1	11	5		15	20
Solutivation of vegetables Cultivation of Cultivation of Cultivation of Vegetables Cultivation of Cultivation of Cultivation of Vegetable Cultivation of Cultivatio											
Solutivation of Cultivation of Cul					management of						
Solutivation of Cultivation of Cul				Layout and Mgt.							
Scientific cultivation of vegetables Cucurbits. 1 1 5 - 15 20 Scientific cultivation of Cucurbits. 1 1 5 - 15 20 Scientific cultivation of Cucurbits. 1 1 5 - 15 20 Hort. May vegetable Onion 1 1 5 - 15 20 Production technology of Elephant foot yam (Ol) and French bean. broccoli and vegetable bean. broccoli and baby corn etc. 1 1 5 - 15 20 Nursury raising of	52	Hort	April			1	1	5	-	15	20
The second state of the se			1							-	
Solution of Cultivation of Elephant foot yam High value vegetable Hort. May production Solution of Elephant foot yam High value vegetable Solution So				Cultivation of							
Scientific cultivation of Scientific cultivation of Onion 1 1 5 - 15 20 Production technology of Elephant foot yam (Ol) and French vegetable bean. broccoli and production baby corn etc. 1 1 5 - 15 20 Nursury raising of	53	Hort	April			1	1	5	_	15	20
S4 Hort. May Cultivation of vegetable Onion 1 1 5 - 15 20 Production technology of Elephant foot yam (Ol) and French vegetable bean. broccoli and production baby corn etc. 1 1 5 - 15 20 Nursury raising of	- 55	11016.	, .p. 11	, 55000100		1	1	+ -		1.0	20
54 Hort. May vegetable Onion 1 1 5 - 15 20 Production technology of Elephant foot yam High value vegetable bean. broccoli and production (OI) and French bean. broccoli and baby corn etc. 1 1 5 - 15 20 Nursury raising of Nursury raising of 1 1 5 - 15 20				Cultivation of							
Production technology of Elephant foot yam High value (Ol) and French vegetable bean. broccoli and production baby corn etc. 1 1 5 - 15 20 Nursury raising of	51	Ll out	Mari			1	1	5		1.5	20
technology of Elephant foot yam (Ol) and French vegetable bean. broccoli and The production baby corn etc. 1 1 5 - 15 20 Nursury raising of	34	погт.	ıvıay	vegetable		1	1	3	-	13	20
Elephant foot yam (Ol) and French vegetable bean. broccoli and 55 Hort. May production baby corn etc. 1 1 5 - 15 20 Nursury raising of											
High value vegetable bean. broccoli and bean. broccoli and production baby corn etc. 1 1 5 - 15 20 Nursury raising of											
vegetable bean. broccoli and baby corn etc. 1 1 5 - 15 20 Nursury raising of											
55 Hort. May production baby corn etc. 1 1 5 - 15 20 Nursury raising of											
Nursury raising of											
	55	Hort.	May	production		1	1	5	-	15	20
56 Hort. June Nursery raising solonaceous 1 1 5 - 15 20											
	56	Hort.	June	Nursery raising	solonaceous	1	1	5	<u>_</u> -	15	20

				vegetable crops						
			Plant	Propagation						
			propagation	technique of major						
57	Hort.	June	technique	fruit crops.	1	1	5	-	15	20
				Scientific						
			Cultivation of	cultivation of						
58	Hort.	July	vegetables	Tomato	1	1	5	-	15	20
			Plant	Propagation						
			propagation	technique of major						
59	Hort.	July	technique	fruit crops.	1	1	5	-	15	20
				Scientific						
			Cultivation of	cultivation of						
60	Hort.	Aug	fruit	Papaya & Guava	1	1	5	-	15	20
				Nursery raising of						
				cole crops	_		_			
61	Hort.	Aug	Nursery raising	(Cauliflower)	1	1	5	-	15	20
				Scientific						
(2)	77	Q .	Cultivation of	cultivation of early					1.7	20
62	Hort.	Sept.	veg.	cauliflower	1	1	5	-	15	20
				Integrated Nutrient						
(2	11.4	G	INIM	Mgt. in	1	1	_		1.5	20
63	Hort.	Sept.	INM	Solanaceous crops	1	1	5	-	15	20
			Evmont mot	Scientific cultivation of						
			Export potential of ornamental							
64	Hort.	Oct.	plants	Marigold and their	1	1	5	_	15	20
04	пон.	Oct.	piants	export potential Scientific	1	1	3	-	13	20
			Cultivation of	cultivation of early						
65	Hort.	Oct.	veg.	potato/pea/carrot	1	1	5	_	15	20
0.5	Tiort.	OCI.	veg.	Scientific	1	1		_	13	20
			Production &	cultivation &						
			Mgt. of tuber	Production Mgt. of						
66	Hort.	Nov.	crops	potato	1	1	5	_	15	20
			•	Nursery raising of						
67	Hort.	Nov.	Nursery raising	onion crops	1	1	5	_	15	20
			Protective	Cultivation of veg.						
68	Hort.	Dec.	cultivation	under poly tunnel	1	1	5	-	15	20
				Integrated nutrient						
69	Hort.	Dec.	INM	Mgt in fruit crops	1	1	5	-	15	20
				Scientific						
				cultivation of						
			Weed	onion & weed						
70	Hort.	Dec.	management	management	1	1	5	-	15	20
			Gender							
			mainstreaming							
			through SHGs	and the						
7.1		т	and capacity	SHGs: A boon for		2	_		1.5	20
71	Home Sci.	Jan	building	rural women	1	2	5	-	15	20
			Minimizer	Techniques of						
			Minimization of	preventing nutrient						
72	Home Sci.	Ion	nutrient loss in	loss during	1	2	5		15	20
12	nome Sci.	Jan	processing	cooking process	1		3	-	13	20
			Enterprise							
			development and income	Mushroom						
73	Home Sci.	Jan	generation	Cultivation	1	2	5	_	15	20
13	TIOTHE SCI.	3411	Design &	Cumvation	1	<u> </u>	,		13	20
			development of							
			low/minimum	Preparation of low						
74	Home Sci.	Feb	cost diet	cost diet	1	2	5	_	15	20
<u> </u>		- • •			-			·		_~

			Household food				1			
			security by							
			kitchen							
			gardening and	Nutritional garden						
			nutrition	technique and						
75	Home Sci.	Feb	gardening	human health	1	2	5	_	15	20
13	Home Sci.	100	Enterprise	Human nearm	1		3	-	13	20
			development &							
			Income	Techniques of tie						
76	Home Sci.	Feb	generation	and dye	1	2	5	_	15	20
70	Home Sci.	1.60	Household food	and dye	1		3	-	13	20
			security by							
			kitchen							
			gardening and	Importance of						
			nutrition	kitchen gardening						
77	Home Sci.	March	gardening	for human health	1	2	5	_	15	20
/ /	Home Sci.	Iviaicii	Gender	101 Hullian nearm	1		3	-	13	20
			mainstreaming							
			through SHGs							
			and capacity	SHGs: importance						
78	Home Sci.	March	building	and operation	1	2	5		15	20
/0	110HE SCI.	iviaicii	Enterprise	and operation	1	<i>L</i>)	-	13	20
			development &	Mushroom						
			Income	cultivation and its						
79	Home Sci.	March	generation	value addition	1	2	5	_	15	20
19	Home Sci.	Iviaicii	Household food	value addition	1		3	-	13	20
			security by							
			kitchen							
			gardening and	Importance of						
			nutrition	kitchen gardening						
80	Home Sci.	Apr	gardening	for human health	1	2	5	_	15	20
80	Home Sci.	Арі	Storage loss	Home scale	1		3	-	13	20
			minimization	methods of safe						
81	Home Sci.	Apr	technique	grain storage	1	2	5	_	15	20
01	Tionic Sci.	7101	Enterprise	gram storage	1				13	20
			development	Preparation of						
			and income	chips, Badi &						
82	Home Sci.	Apr	generation	Papad	1	2	5	_	15	20
02	Tronic Bei.	, 1 _P 1	Minimization of	Prevention of	1				1.0	20
			nutrient loss in	nutrient loss during						
83	Home Sci.	May	processing	cooking process	1	2	5	_	15	20
0.5	Tronic Bei.	17143	processing	Health and	1				1.5	20
				nutritional care of						
			Woman and	pregnant women &						
84	Home Sci.	May	child care	children	1	2	5	_	15	20
	Trome Sen	1,143	cima care	Preservation of	1				15	
				seasonal fruits and						
85	Home Sci.	May	Value addition	vegetables	1	2	5	_	15	20
			Gender	-5-00100	-					
			mainstreaming							
			through SHGs							
			capacity	Formation &						
86	Home Sci.	June	building	functions of SHGs	1	2	5	_	15	20
			Designing &						-	-
			development of	Preparation of high						
			high nutrient	nutrient efficient						
87	Home Sci.	June	diet	diet	1	2	5	-	15	20
			Minimization of	Prevention of						
			nutrient loss in	nutrient loss during						
88	Home Sci.	July	processing	cooking process	1	2	5	-	15	20
					l l					

			Location							
			specific							
			drudgery							
			reducing	Implements for						
89	Home Sci.	July	technology	drudgery reduction	1	2	5	_	15	20
0)	Trome Set.	July	Design &	araagery reduction	1				13	20
			development of	Preparation of low						
			low/minimum	cost diet for						
90	Home Sci.	July	cost diet	children	1	2	5	_	15	20
7.0			Household food							
			security							
			gardening &	Importance of						
			nutrients	nutritional garden						
91	Home Sci.	Aug	gardening	for human health	1	2	5	_	15	20
				Health &						
				nutritional care of						
			Women & Child	pregnant women &						
92	Home Sci.	Aug	care	child	1	2	5	-	15	20
			Designing &							
			development for	Preparation of high						
			high nutrient	nutrient efficient						
93	Home Sci.	Sept.	efficient diet	diet	1	2				
				Health &						
				nutritional care of						
			Women & Child	pregnant women &						
94	Home Sci.	Sept.	care	child	1	2	5	-	15	20
				Basic stitches of						
95	Home Sci.	Sept.	Rural Craft	Embroidery	1	2	5	-	15	20
			Household food							
			security by							
			kitchen							
			gardening and	Importance of						
			nutrition	kitchen gardening						
96	Home Sci.	Oct	gardening	for human health	1	2	5	-	15	20
			Minimization of	Prevention of						
			nutrient loss in	nutrient loss during	_		_			• •
97	Home Sci.	Oct	processing	cooking process	1	2	5	-	15	20
			Enterprise							
			development	3.6.1						
00		0 1	and income	Mushroom	1	•	_		1.5	20
98	Home Sci.	Oct	generation	Cultivation	1	2	5	-	15	20
				Health & nutritional care of						
			Women & Child							
99	Home Sci.	Nov.		pregnant women & child	1	2	5		15	20
99	nome sci.	INOV.	care Location	Implements for	1)	-	13	∠0
			specific	drudgery reduction						
			drudgery	for households,						
			reducing	agricultural and						
100	Home Sci.	Nov.	technology	dairy activities	1	2	5	_	15	20
100	1101110 501.	1101.	Storage loss	Home scale	1				1.0	20
			minimization	methods of safe						
101	Home Sci.	Dec.	technique	grain storage	1	2	5	_	15	20
101	1101110 501.	200.	- Cominque	Preservation of	1				1.0	20
102	Home Sci.	Dec.	Value addition	winter vegetables	1	2	5	_	15	20
102	TIOMIC SCI.	200.	addition	Mushroom	*		-			
			Enterprise	cultivation and its						
103	Home Sci.	Dec.	Development	value addition	1	2	5	_	15	20
	Plant			Management of						
104	Protection	Jan.	IDM	early & late blight	1	2	5		20	25

				in Potato &			1			
				Tomato						
	Plant			IDM in Rapeseed						
105	Protection	Jan.	IDM	& Mustard	1	2	5	_	20	25
100	Plant	o um.	15111	CC 1/1ubtara	1				20	
106	Protection	Feb.	IPM	IPM in Onion	1	2	5	_	20	25
	Plant									
107	Protection	Feb.	IDM	IDM in Onion	1	2	5	_	20	25
	Plant			IPM in Summer						_
108	Protection	Mar	IPM	Green Gram	1	2	5	_	20	25
	Plant									_
109	Protection	Mar	IPM	IPM in Orchard	1	2	5	-	20	25
	Plant			IPM of Summer						
110	Protection	April	IPM	Veg.	1	2	5	-	20	25
				Scientific & safe						
	Plant	April		storage of cereal						
111	Protection	& May	IPM	and pulses	1	2	5	-	20	25
				Integrated pest and						
	Plant			disease mgt. in						
112	Protection	May	IDM	orchard	1	2	6	-	19	25
				Integrated insect						
				pest management						
	_			of summer						
	Plant			cucurbitaceous	_		_		• 0	
113	Protection	May	IPM	vegetable	1	2	5	-	20	25
	D1 .			IDM of summer						
114	Plant		IDM	cucurbitaceous	1	2	_		20	25
114	Protection	May	IDM	vegetable	1	2	5	-	20	25
	D14			Integrated pest						
115	Plant Protection	June	IPM	management of	1	2	5		20	25
113	Protection	June	IPIVI	Okara & Brinjal	1	Δ	3	-	20	23
	Plant			Technique and importance of seed						
116	Protection	June	IDM	treatment in rice	1	2	5	_	20	25
110	Plant	June	IDWI	treatment in rice	1				20	23
117	Protection	July	IDM	IDM in Rice	1	2	5	_	20	25
117	Plant	July	1151/1	IDW III ICCC	1				20	23
118	Protection	July	IPM	IPM in Rice	1	2	5	_	20	25
	Plant									
119	Protection	Aug	IPM	IPM in Rice	1	2	5	_	20	25
	Plant			IPM in Kharif						
120	Protection	Aug	IPM	Maize	1	2	5	-	20	25
	Plant			IDM in Kharif						
121	Protection	Aug	IDM	Maize	1	2	5	-	20	25
				Management of						
			Biocontrol of	Rice pest &						
	Plant		pest & disease	Diseases through						
122	Protection	Sept.	management	biogents	1	2	5	-	20	25
				Integrated pest &						
				disease						
100	Plant		IDA 6	management in	1	2			20	2.5
123	Protection	Sept.	IPM	orchard.	1	2	5	-	20	25
124	Plant	0-4	IDM	IDM : 1071 - 4	1	2	_		20	25
124	Protection	Oct	IDM	IDM in Wheat Importance of seed	1	2	5	-	20	25
	Plant			treatments in rabi						
125	Protection	Oct	IDM		1	2	5	_	20	25
143	Plant	000	11/1/1	crops	1	<u> </u>	,	<u> </u>	20	23
126	Protection	Oct	IDM	IDM in pulses	1	2	5	_	20	25
127				1		2	5			
12/	Plant	Nov.	IPM	IPM in cole crops	1		1 3	-	20	25

	Protection									
128	Plant Protection	Nov.	IPM	IPM in Pulses	1	2	5		20	25
120		INOV.	IT IVI		1	2	3	-	20	23
	Plant			Aphid control in						
129	Protection	Nov.	IPM	mustard	1	2	5	-	20	25
	Plant									
130	Protection	Dec.	IPM	IPM in Pigeonpea	1	2	5	-	20	25
	Plant			IDM in winter						
131	Protection	Dec.	IDM	vegetable	1	2	5	-	20	25
				Total	142	238	618	0	2200	2818

2. Rural Youth

CLN			Thomas		C	Durati		No. of participants S ST Other Tot		ants
Sl.N o.	Discipline	Month	Thematic area	Course title	Course No.	on (days)	S C	ST	Other s	Total
1	Plant Breeding & Genetics	June	Seed Production	Quality seed production of paddy	2	7	1		19	20
2	Plant Breeding & Genetics	Oct	Seed Production	Quality seed production of Wheat/Gram/Lenti 1	2	7	1		19	20
3	Plant Breeding & Genetics	Feb	Seed Production	Quality seed production of green gram	2	7	1		19	20
4	Agronomy	Sept	Vermiculture	Vermicompost production	1	5	5		15	20
5	Agronomy	Sept	Integrated Farming	Importance of IFS for income generation	1	5	5		15	20
6	Hort.	June	Planting material production	Technique for graft and gooties of fruit plants	1	5	5	-	15	20
7	Hort.	Oct	Seed production	Seed production of potato & onion	1	5	5	-	15	20
9	Home Science	June	Value addition	Preservation of seasonal fruits and vegetables	1	4	5	-	20	25
10	Home Science	Nov.	Mushroom cultivation	Mushroom Cultivation and its value addition	1	6	5		15	20
11	Plant Protection	Sept.	Mushroom Production	Mushroom cultivation technique	1	6	5		15	20
		,	Total	-	13	57	38	0	167	205

3. Extension functionaries

Sl.No.	Dissiplins	Month	Thematic	Course title	Course	Duration	1	No. of	participa	nts
51.110.	Discipline	Month	area	Course title	No.	(days)	SC	ST	Others	Total
1	Plant Breeding & Genetics	Oct	Seed Production	Quality seed production of Wheat/Gram/Lentil	1	2	1		19	20

2	Agronomy	June	INM	BGA & Azolla application in Rice cultivation	1	2	1		19	20
3	Agronomy	Nov	RCT	Zero tillage method in wheat	1	2	1		19	20
4	Hort.	Oct	Protected cultivation	Protected cultivation	1	2	5	Ī	15	20
5	Hort.	Nov.	Rejuvenation of Old fruit orchard	Rejuvenation technique of Old fruit orchard	1	2	5	II	15	20
6	Home Science	Aug	Women & Child care	Health & nutritional care of pregnant women & child	1	2	5		20	25
7	Home Science	Dec.	Household food security by kitchen gardening and gardening	Importance of kitchen gardening for human health	1	2	5		20	25
8	Plant Protection	April	IPM & IDM	IPM & IDM in Summer crops	1	1	6	Ī	24	30
9	Plant Protection	July-Aug	IPM & IDM	Integrated pest & disease management in Kharif crops	1	1	6	ı	24	30
10	Plant Protection	Nov	IPM & IDM	Integrated pest & disease management in Rabi crops	1	1	6	-	24	30
	Total					17	41	0	199	240

4. Sponsored Training

Thematic area	Course title	Course	Duration	No. of participants			
Thematic area	Course title	No	Duration	SC	ST	Others	Total
IPM& IDM	IPM in Kharif crops	4	1	100	-	300	400
Productivity enhancement in field crops	Rabi Mahotsav System of Rice intensification Modern techniques in field crop production maize lentil, Gram, wheat Seed production of wheat, gram, lentil, Onion	3	7	120	-	240	360
IPM& IDM	IPM in Rabi crops	4	1	100	-	300	400
Goat Management	Goat farming	7	7	5		15	20
Organic Vegetable Organic Vegetable Cultivation Cultivation Technique		2	1	08		32	40
RCT	Zero tillage of wheat cultivation	2	1	08		32	40
	Total	22	18	341	0	919	1260

5. Vocational Training/ Skill Development Training

Course Title	Sponsoring	Course No.	ruse No Dunetien (IIve)		No. o	f participants	
Course Title	Agency	Course No.	Duration (Hrs)	SC	ST	Others	Total
Quality Seed Grower	Bihar Skill Development	1	240	3		27	30

6. Frontline demonstration

Season	Crop (Variety)	Area (ha) /No	No. of farmer
Kharif	Paddy (Sabour Sampanna)	10	25
Kharif	Finger millet/Foxtail millet	10	25
Rabi	NPV in Tomato	1	12
Rabi	Wheat (sulphosulfuran +meta sulphuran)	10	25
Rabi	Wheat (var. Sabour Shrestha)	10	25
Rabi	Onion (NHRDF Red)	1	10
Rabi	Tomato (Arka Rakshak/ Kashi Vishesh)	1	20
Rabi	Onion(Herbicide)	1	10
Summer	Mushroom Cultivation (Spawn and other inputs of Milky white mushroom)	10	10
Yearly	Nutritional Garden(Seeds of seasonal vegetables & fruits plants)	40	40

7. Seed and planting material production

Seed		Planting material		
Crop	Area (ha.)	Crop	Seedling No.	
Paddy	10	Vegetables(Onion,	1.0 Lakh	
		Tomato etc)		
Green gram	4	Guava	500	
Wheat	8			
Chickpea	4			
Mustard	1.5			

8. Extension Activities

Sl. No.	Activity	No. of Programmes	No. of beneficiaries
1.	Field day	10	300
2.	Kisan Mela(Participation)	3	1100
3.	Kishan Gosthi	10	360
4.	Kishan Choupal	45	2500
5.	Exposure Visit	7	260
6.	Scientist visit to farmers field	80	240
7.	Farmers visit to KVK		1200
8.	Extension Literature	10	50000

9.	Radio talk	5	Mass Benefited
10.	T.V. talk	5	Mass Benefited
11.	Help line	3500	3500
12.	Ex-trainees meet	5	250
13.	News Paper Coverage	36	Mass Benefited
14.	SHG Formation	5	100
15.	Diagnostic Services	150	500

9. On-farm trials to be conducted

OFT-1 (Plant Breeding)

1.	Title of On farm Trial	Assessment of biofortified lentil cultivar for
		yield
2.	Problem diagnosed	Lacking of high yielding biofortified Lentil cultivar
		in Lakhisarai district.
3.	Details of technologies selected for	Farmers Practice: Lentil cultivar Rubi
	assessment/refinement	T.O.1: Lentil cv. IPL-220 (Biofortified)
	(Mention either Assessed or Refined)	T.O.2: Lentil cv. IPL-316
		T.O.3: Lentil cv. L-4717
4.	Source of Technology (ICAR/	Dept. of Plant Breeding & Genetics, BAU Sabour
	AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Rain fed & Crop Production
6.	Performance of the Technology with	Yield & B:C ratio
	performance indicators	
7.	Final recommendation for micro level	
	situation	
8.	Constraints identified and feedback for	
	research	
9.	Process of farmers participation and their	
	reaction	

OFT-2(Plant Breeding)

1.	Title of On farm Trial	Assessment of Gram cultivar for yield under late sown condition.	
2.	Problem diagnosed	Lacking of high yielding recent released cultivar of gram in Lakhisarai district	
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice : Deshi chana T.O.1 : Gram var. Sabour Chana-2 T.O.2 : Gram var. GNG-2299	
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dept. of Plant Breeding & Genetics, BAU Sabour	
5.	Production system and thematic area	Rain fed & Crop Production	
6.	Performance of the Technology with performance indicators Yield & B:C ratio		
7.	Final recommendation for micro level situation		
8.	Constraints identified and feedback for research		
9.	Process of farmers participation and their reaction		

OFT -3(Agronomy)

1.	Title of On farm Trial	Improvement of Nitrogen use efficiency in wheat.
2.	Problem diagnosed	Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost cultivation.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practices: RDF (100:40:20) Kg/ha T.O.1: 50% of RDN & 100% PK + Nano urea @4ml/lit. water (Single spray at 35 DAS). T.O.2: 50% of RDN & 100% PK + 2 Spray of Nano urea at (35 DAS) and (60-65 DAS) @4ml/lit. water (Timely sown variety of BAU Sabour, BAU Ranchi and RPCAU, Pusa, ICAR RCER, Patna).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop dt. 1-3 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Rice-Wheat system, INM
6.	Performance of the Technology with performance indicators	Yield, No. of effective tillers/ m ² , 1000 grain wt., Panicle wt, Straw yield & Economics
7.	Final recommendation for micro level situation	Crop Standing
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

OFT -4(Agronomy)

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 (Mention either Assessed or Refined)	Farmer's practices: Seed Treatment + RDF. T.O.1: 50% of RDF + WS 18:18:18 @ 5 gm/lit. water (Single spray at pre flowering stage) T.O.2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @ 5 gm/lit. water (Single spray at pre flowering stage)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop dt. 1-3 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Rice-Wheat system, Weed control
6.	Performance of the Technology with performance indicators	Yield, No. of Plant/ m ² , 1000 grain wt., No. of Pod/plant, Strover yield & Economics
7.	Final recommendation for micro level situation	Crop Standing
8.	Constraints identified and feedback for research	
9.	Process of farmers participation	Through field visit & training

OFT-5 (Horticulture)

1.	Title of On farm Trial	Assessment of microbial consortia against wilting in solanaceous crops (Tomato)
2.	Problem diagnosed	
3.	Details of technologies selected for assessment/refinement	Farmer Practices: Chemical pesticides T.O.1: IIHR consortia (Arka microbial consortia) T.O.2: NRC Litchi consortia
4.	Source of Technology	OFT Finalization Workshop, 23-24 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Paddy- Tomato (small production system), IDM
6.	Performance of the Technology with performance indicators	1.Initial plant population 2. First wilt incidence (DAT) 3.Wilting percentage at15,30,45,60 and 75 DAT 4. Yield (q/ha) 5. Economics (Rs./ha)
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Replication	10 farmers
10.	Process of farmers participation and their reaction	Through field visit and training

OFT-6 (Horticulture)

1	T	OFT-6 (Horticulture)	
1.	Title of On farm Trial	Ex situ residue management in Potato cultivation	
2.	Problem diagnosed		
3.	Details of technologies selected for assessment/refinement	Farmer Practices: Sowing in ridge and furrow method Sowing of potato seed with FYM and paddy straw (15 cm) Sowing of potato seed with FYM and water hyacinth (15 cm)	
		T.O.1: Sowing of potato seed with FYM and paddy straw (15 cm)	
		T.O.2 Sowing of potato seed with FYM and water hyacinth (15 cm)	
		(In TO1 & TO2, Foliar spray with 10:26:26, N:P:K as basal dose, 45 days after sowing spray with 19:19:19, N:P:K and thitd spray with 13:0:45, N:P:K)	
4.	Source of Technology	OFT Finalization Workshop, 23-24 Sept. 2022, BAU Sabour	
5.	Production system and thematic area	Paddy- Potato (small production system), RCT	
6.	Performance of the Technology with performance indicators	1. Germination percentage 2. Growth performance (visual) 3.Disease incidence 4. Weed population 5. Tuber Yield 6. Economics (Rs./ha)	
7.	Final recommendation for micro level situation		
8.	Constraints identified and feedback for research		

9.	Replication	10 farmers
10.	Process of farmers participation and their reaction	Through field visit and training

OFT: 7(Home Science)

1.	Title of On farm Trial	Assessment of preparation methods of tomato (Solanum lycopersicum L.) pulp for increasing shelf life and instant use	
2.	Problem diagnosed	Lack of knowledge about tomato pulp preparation and its preservation	
3.	Details of technologies selected for assessment/refinement	F.P.: Not in practice to prepare tomato pulp for instant use T.O.1: Tomato puree preparation (with extraction of seed and skin) T.O.2: Tomato crush preparation (from whole fruits)	
4.	Source of Technology	BAU, Sabour	
5.	Replication	10	
6.	Production system and thematic area	Value Addition	
7.	Performance of the Technology with performance indicators	 Product recovery (gm/kg raw tomato) Sensory Analysis: a)Taste b) Texture c) Colour d) Flavour e) Overall Acceptability Shelf life (0, 15, 30, 45, 60 and 75 days) 	
10	Process of farmers participation and their reaction	Demonstration & training	

OFT-8 (Plant Pathology)

1.	Title of On farm Trial	Assessment of different fungicides for management		
		of Spot blotch of Wheat		
2.	Problem diagnosed	Necrosis of leaf		
3.	Details of technologies selected for assessment/refinement	Farmer Practices: Bavistin @ 2.5 g/Lit at the time of disease appearance T.O.1: Seed treatment with Vitavax 200WS @ 2.5g/Kg Seed + Foliar spray of Propiconazole @ ml/Lit water first at boot leaf and second spray 20 days after first spray T.O.2: Seed treatment with Trichoderma viridae @ 5g/Kg Seed+Foliar spray of Hexaconazole @ 1ml/Lit water first at boot leaf stage and second spray 20 days after first spray		
4.	Source of Technology	UBKV, Cooch Behar, West Bengal		
5.	No. of Farmers	5		

6.	Production system and thematic	Rice-Wheat production system
	area	
7.	Performance of the Technology	Disease severity, Yield, B:C ratio
	with performance indicators	
8.	Constraints identified and feedback	
	for research	
9.	Process of farmers participation	On farm demonstration
	and their reaction	

	OFT-9 (Plant Pathology)			
1.	Title of On farm Trial	Assessment of bio-intensive management of wilt		
		disease in tomato crop		
2.	Problem diagnosed	Wilting of tomato crop in large scale		
3.	Details of technologies selected	Farmers Practice: Seed treatment		
	for assessment/refinement	T.O.1:		
	(Mention either Assessed or	Soil solarization		
	Refined)	 Seed treatment by Pseudomonas fluorescens @10g/kg 		
		• Nursery bed treatment of Trichoderma @50g/m ²		
		 Soil application of Pseudomonas fluorescens @5kg/ha mixed with 500 kg vermicompost per hectare @30 DAT 		
		T.O.2:		
		Soil solarization		
		• Seed treatment by <i>Trichoderma viridae</i> 10 g/kg		
		• Nursery bed treatment of <i>Trichoderma viridae</i>		
		(0.50g/m^2)		
		• Soil application of <i>Trichoderma viridae</i> @5		
		kg/ha mixed with 500 kg vermicompost per hectare @30 DAT		
	C CT 1 1 (ICAD)	nectare (0.30 DA1		
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Banglore		
5.	Production system and thematic area	Rain fed & Crop Production		
6.	Performance of the Technology with performance indicators	Disease incidence, Yield & B:C ratio		
7.	Final recommendation for micro level situation			
8.	Constraints identified and feedback for research			
9.	Process of farmers participation and their reaction	On farm demonstration		

10. List of Projects to be implemented

Name of the project	Year of Start	
CFLD	2016	

Pulse Seed Hub	2016
CISSA(CIMMYT)	2016
Skill Development	2017
Small Nursery (N.H.M)	2019
PKVY	2019
SCSP	2020
CRAP	2020
NARI	2021
Kisan Sarathi	2021
NICRA	2021
Natural Farming	2022

i. Seed Hub

S.no.	Crop	Variety and year of release	Category of seed	Production target (qt)during Rabi 2023-24
1.	Gram	Sabour Chana-1 Year 2019	F/S	600
5.	Lentil	IPL-220 Year 2018	C/S	200
6.	Green Gram	Shikha	C/S	200

11. No. of success stories to be developed:

Sl. No.	Topic of success stories	No. of stories to be developed
1.	Agronomy	02
2.	Plant Breeding	02
3.	Horticulture	02
4.	Home Science	02
5.	Plant pathology	02

12. Scientific Advisory Committee

Date of SAC meeting held during 2022	Proposed date 2023
21.09.2022	Sept. 2023

13.Staff position

Sanctioned	In position	Vacant
Senior Scientist & Head	1	-
SMS –Agronomy	1	-
SMS- Animal Science	-	1
SMS – Plant Protection	1	-
SMS-Plant Breeding	1	-
SMS-Horticulture	1	-
SMS-Home Science	1	-
Programme Assistant(Lab. Tech.)	-	-
Prog. Asstt. (Computer)	1	-
Farm Manager	1	-
Assistant	1	-

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Stenographer	1	-
Driver	1	-
Driver	1	-
Supporting Staff	1 (Contractual)	-
Supporting Staff	1 (Contractual)	-

14. Status of infrastructure

Infrastructure	Complete	Under construction	Not started	Reasons, if not started
Administrative building	Complete	Handover	-	-
Trainees' hostel	Complete	Handover	-	-
Staff quarter	Complete	Handover	-	-
(only 06 staff)				
Seed Hub Godown	Complete	Handover	-	-
Demonstrations: i)	Mushroom	Complete	-	-
ii)	Vermicompost	Complete		
iii)	Small Nursery	Complete		