PROFORMA FOR ANNUAL REPORT 2023 (01st January- 31st December 2023)

<u>1. GENERAL INFORMATION ABOUT THE KVK</u>

1.1. Name and address of KVK with phone, fax and e-mail

Name and address of KVK	Tele	ephone	E Mail	
	Office	FAX	E-Wall	
Krishi Vigyan Kendra,	6287797168	-	head.kvk.siwan@rpcau.ac.in	
Bhagwanpur Hat, Siwan				

1.2. Name and address of host organization with phone, fax and e-mail

Name and address of Host	Tel	ephone	E mail	
Organization	Office	FAX	E man	
Dr. Rajendra Prasad Central Agricultural University, Pusa, Bihar	06274-240226	06274-240255	vc@rpcau.ac.in	

1.3. Name of Senior Scientist and Head with phone & mobile No.

Nome	Telephone / Contact					
Name	Residence	Mobile	Email			
	-	6287797168	head.kvk.siwan@rpcau.ac.in			
Dr. Anuradha Ranjan Kumari						

1.4. Year of sanction of KVK with council order No. and date: F.No.18-25/1996-AE-1 Dated :- 22nd June 2004

1.5. Year of start of KVK: 2004

1.5. Staff Position (as on 31st December 2023)

SI. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr. Anuradha Ranjan Kumari	Senior Scientist &Head	Home Science Extension Education	131400-204700 147900	16.07.2019	Permanent	Others
2.	Subject Matter Specialist	Er. K. B. Chhetri	SMS	Agril. Engg. (Post- Harvest Technology)	56100-177500 63100	01.02.2019	Permanent	Others
3.	Subject Matter Specialist	Miss Sarita Kumari	SMS	Home Science	56100-177500 57800	08.03.2022	Permanent	SC
4.	Subject Matter Specialist	Dr. Harsha B. R.	SMS	Crop Production	56100-177500 57800	10.03.2022	Permanent	OBC
5.	Subject Matter Specialist	Dr. Nandeesha C. V.	SMS	Plant Protection	56100-177500 57800	10.03.2022	Permanent	EWS
6.	Subject Matter Specialist	Dr. Jonah Dakho	SMS	Horticulture	56100-177500 57800	24.03.2022	Permanent	ST
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Sri Arun Kumar	Lab Technician	Environmental Science	35400-112400 39900	18.12.2017	Permanent	OBC
9.	Computer Programmer	Vacant	-	-	-	-	-	-
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Sri Abhishek Kumar	Assistant	B. Tech. (ECE)	35400-112400 39900	23.11.2017	Permanent	Others
12.	Stenographer	Sri Harsh Kumar	Stenographer	B.A. (Economics)	25000-81000 30500	21.02.2018	Permanent	Others
13.	Driver	Sri Suman Kumar	Jeep Driver	B.A (History)	21700-69100 23100	27.02.2021	Permanent	SC
14.	Driver	Sri Raj Kishor Paswan	Tractor Driver	10 th	21700-69100 23100	27.02.2021	Permanent	SC
15.	Supporting staff	Vacant	-	-	-	-	-	-
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	2.0	Administrative building, Kisan Ghar, E-
			Kisan Bhavan, Staff quarter
2.	Under Demonstration Units	1.5	Vermicompost Unit, Poultry, Farm
			Machinery unit, Seed storage, Poly house,
			etc
3.	Under Crops	12.0	Field crops, Paddy, Wheat, etc.
4.	Orchard	4.5	Mango, Litchi and Guava
5.	Agro-forestry	-	-
6.	Others with details	-	-
	Total	20.00 ha	

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Functional/ non- functional*	Source of funding
1.	Administrative Building					Completed		Use	ICAR
2.	Farmers Hostel					Completed			ICAR
3.	Staff Quarters (6)					Only three (3) Quarter Completed		Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	Nil
5	Fencing					Completed			ICAR
6	Rain Water harvesting structure	-	-	-	-	-	-	-	Nil
7	Threshing floor					Yes		Use	ICAR &RKVY
8	Farm godown					Yes		Use	ICAR& RKVY
9.	Dairy unit	-	-	-	-	-	-	-	Nil
10.	Poultry unit	-	-	-	-	-	-	-	Nil
11.	Goatry unit	-	-	-	-	-	-	-	Nil
12.	Mushroom Lab	-	-	-	-	-	-	-	Nil
13.	Mushroom production unit	-	-	-	-	-	-	-	Nil
14.	Shade house					Yes		Use	MMHM

									4
15.	Soil test Lab	-	-	-	-	Yes	-	Use	ICAR
16	Others, Please Specify								

* If not in use, then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero Jeep	2022-23	850000.00	49642.00	Good condition
Motor cycle (BR29Y9760)	2016-17	57000.00	3636.00	Good condition
Motor cycle (BR29Y9761)	2016-17	57000.00	5692.00	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund				
a. Lab equipment								
MSTL (Mobile soil Test lab except bus price)	2018	42,48,489	Good condition	Bihar Govt.				
Single distillation unit	2022	11,492.00	Good condition	ICAR				
Auto Cut off system	2022	5732.00	Good condition	ICAR				
Weighing balance	2022	25,836.00	Good condition	ICAR				
b. Farm machinery								
Tractor (Massey Fergusson)	2004 -05	3,34,500	Bad	ICAR				
Tractor (John Deere 55HP)	2019-20	6,12,036	Good condition	ICAR				
Tractor(Massey Fergusson)	2019-20	4,82,076	Good condition	ICAR				
Tractor (John Deere 55HP) CRA	2020-21	6,71,580.31	Good condition	Bihar Govt.				
c. AV Aids								
LCD Multi Media Projector	2010	75,819	Bad	ICAR				
LCD Multi Media Projector	2019	79,049	Good	ICAR				
Digital camera	2009	24,880	Bad	ICAR				
Digital camera	2010	12,990	Bad	ICAR				
Digital camera	2015	13,900	Bad	ICAR				

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Rotavater	2010	-	Working	
Dal Mill	2011	-	Not Working	

Maize Sheller	2012	-	Not -Working	
Disc	2004-05,2012	-	Not working	
Leveler	2010	-	Working	
Winnower	2010	-	Working	
M.B. Plough	2010	25,500.00	Not Working	
Hydraulic Trailer	2010	82,000.00	Working	
H.F. 1A Disc Harrow	2010	25,000.00	Working	
M.F. Cultivator 9 Tyre	2010	12,100.00	Working	
Cage Wheel	2010	5,900.00	Working	
Zero-till machine	2009-10	-	Not working	
Mobile processing plant	2010-11	9,81,760.00	Not working	
Tractor operated laser land leveler	2020	2,91,200.00	Working	ICAR
Zero till seed cum fertilizer	2020	43,120.00	Working	ICAR
Rotavater	2020	114917.00	Working	ICAR
Happy seeder	2020	158747.00	Working	ICAR
Multi crop thresher	2020	128800.00	Working	ICAR
Potato planter	2020	97500.00	Working	ICAR
Power Weeder	2020	47600.00	Working	ICAR
Hydraulic disc	2020	84000.00	Working	ICAR
Ripper cum binder	2020	520000.00	Working	ICAR
Potato digger	2020	117500.00	Working	ICAR
Rice transplanter	2020	222800.00	Working	ICAR
Mini Dal Mil	2020	94500.00	Working	ICAR
Boom sprayer	2020	160499.00	Working	ICAR
Happy Seeder	2021	155098.00	Working	Bihar Govt.
Multi crop planter- 02	2021	99799.00	Working	Bihar Govt.
Riper cum binder	2021	342000.00	Working	Bihar Govt.

Tractor operated laser land leveler	2021	248000.00	Working	Bihar Govt.
Tractor Trailer	2021	143400.00	Working	Bihar Govt.
Cultivator	2021	29430.00	Working	Bihar Govt.
Disk plow	2021	94657.00	Working	Bihar Govt.
Tractor Drawn leveler	2021	18000.00	Working	Bihar Govt.
Dhan Machine Theser with 1HP Motor	2021	11800.00	Working	ICAR

1.8. Details SAC meeting* conducted in the year

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason

* Salient recommendation of SAC in bullet form Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2023)

Sl.No	Items		Information	
•				
1	Major Farming system/enterprise	Crop production + Animal H	Iusbandry, Production+ Mushroom,	sugarcane + Animal
		Husbandry, cropproduction+	Vegetable Production	
2	Agro-climatic Zone	Middle Gangetic Plain Regio	on (IV) [Planning Commiss	sion]
		North West Alluvial Plain Z	one (BI-1) [NARP]	
3	Agro ecological situation	Guthani,Mairwa,Nautan,Andar r,Basantpur,Daraundha,Hasanp	Jeeradei,Barharia,Maharajganj,Goriako ura,	othi,Lakarinabiganj,Punchrukhi,Siwansada
4	Soil type	Sandy Loam, Saline Soil, A	lkaline Soil	
5	Productivity of major 2-3 crops under	Name of crop	Production ('000 t)	Productivity (kg/ha)
	cereals, pulses, oilseeds, vegetables, fruits	Rice	151.3	1663
	and others	Maize	43.45	2448
		Wheat	276.42	3050
		Pulses	3.56	948
6	Mean yearly temperature, rainfall, humidity of the district	M	onth	Year

		Record high	gh °C	4	7.0
		Average hi	gh °C	33	.13
		Daily mea	un °C	30	0.17
		Average lo	ow °C	24	.15
		Record lo	w °C	1	1.0
		Average precip	itation mm	25	.06
				20	
		Average precipitation	days ($\geq 1.0 \text{ mm}$)	2.	.14
		Average relative l	numidity (%)	50	.19
		Mean monthly su	nshine hours	10	0.78
7	Production of major livestock products like				
	milk, egg, meat etc.	Live stock	Number	Live stock	Number
		Plough Animals	158185	Goat	196187
		Cattle	232800	Pigs	11602
		Cross bred	23994	Crossbred	1003
		Indigenous	208806	Hens	47592
		Buffaloes	401625	Desi	38823
		Sheep	10489	Improved	218686
		Cross bred	2571	Ducks	2060
		Indigenous	7918	Turkey and others	312471

Note: Please give recent data only

2.b. Details of operational area / villages (2023)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop- wise)	Identified Thrust Areas
1.	Siwan	Bhagwanpur Hat	Chorauli	Paddy Red gram	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.

2.	Siwan	Basnatpur	Kumkumpur, Nagauli	Wheat Paddy	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
3.	Siwan	Goriyakothi	Saidpura	Red gram	Pest and Disease	Promotion of IPM and INM package.
4.	Siwan	Lakrinaviganj	Bhopatpur Bala	Paddy	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
5.	Siwan	Barhariya	Malik Tola	Paddy Wheat	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
6.	Siwan	Goriyakothi	Kaladumra, Karpaliya	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district.Promotion of IPM and INM package.RCTs like DSR, Zero tillage , mechanization etc.
7	Siwan	Barharia	Malik tola, Hariharpur	Paddy, Wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district.Promotion of IPM and INM package.RCTs like DSR, Zero tillage , mechanization etc.
8	Siwan	Daraundha	Ramgarh	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district.Promotion of IPM and INM package.RCTs like DSR, Zero tillage , mechanization etc.
9	Siwan	Maharajganj	Sikatiya	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district.Promotion of IPM and INM package.RCTs like DSR, Zero tillage , mechanization etc.
10	Siwan	Zeeradei	Zeeradei	Mustard & Rapeseed, Lentil, Field pea, Gram	Irrigation , quality seed low productivity	Diversification of crops, formation of FPO, Providing assured community irrigation
11	Siwan	Bhagwanpur Hat	Shankarpur	Paddy, wheat, Mustard & Rapeseed , Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety Low use of RCTs	Promotion for improving production of major cropping pattern for Siwan district. Promotion of IPM and INM package.
12	Siwan	Bhagwanpur Hat	Mirjumla	Paddy, wheat, Mustard & Rapeseed, Maize, Pigeon pea, Moong bean	Low Productivity Traditional Variety	Promotion for improving production of major cropping pattern for Siwan district.

		Low use of RCTs	Promotion of IPM and INM package. Formation of EPO
			110.

2. c. Details of village adoption programme during 2023:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2023) for its development and action plan

Name of village	Block	Action taken for development
Chorauli	Bhagwanpur hat	
Malik Tola	Barhariya	Training, Scientists visit to farmers fields, OFT, FLD, Cluster FLD,
Saipura	Goriyakothi	Exposure visit to Kisan Mela Pusa, Field day
Kumkumpur	Basantpur	
Bhopatpur Bhartiya	Lakrinabiganj	
Kala Dumra	Goreyakothi	
Saidpura	Goreyakothi	
Ganpaliya	Darauli	
Mirjumla	Bhagwanpur hat	
BarkaGaon	Bhagwanpur hat	
Sikatia	Maharajganj	
Ramgadha	Daraundha	

2.1 Priority thrust areas of KVKs

S. No	Thrust area
1.	Emphasis on reclamation of saline and alkaline soil.
2.	Extension of climate resilient technologies like zero tillage, raised bed planting, RCT and direct seeded rice (DSR).
3.	Promotion for improving production of major cropping pattern for Siwan district.
4.	Empowerment and strengthening of rural farm women / Youth through income generating activity.
5.	Improving production capacity of milch animals.
6.	Self-employment generation through agricultural enterprises.
7.	Promotion of IPM and INM package.
8.	Promotion of Medicinal & aromatic plant.
9.	Promotion of high density orchard.
10.	Emphasis on farm mechanization and value addition
11.	Promotion of organic farming

3. <u>TECHNICAL ACHIEVEMENTS</u>

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2023

			OF	Т											Fl	LD							
	No. of technologies tested:													No. of tech	nolog	ies de	mons	trated:					
Number of OFTs Number of farmers											Number of FLDs Number of farmers												
				Achievement								Achieven				ieven	ment						
Target	Achievement	Target	SC	SC ST Others Total			otal	Target	Target Achievement Target SC ST Other			ners	Total										
		-	Μ	F	Μ	F	Μ	F	Μ	F	Т			-	Μ	F	Μ	F	Μ	F	Μ	F	Т
10	12	70	7	1	0	0	46	16	5	2	80	20	31	225		4			1		10		2
	1 3 7								04	4	0	0	8	41	19	86	7						
														5			7		1		7		

			Trai	ning										Extensi	ion a	ctivit	ies						
Number of Courses Number of Participants										Number of activities Number of participants													
	A 1 '		Achievement															Ac	chievement				
Target	Achievemen	Target	S	С	S	Т	Oth	ners		Tota	1	Target	Achievement	Target	S	C	S	T	Otl	ners	,	Tota	1
_	l	_	Μ	F	Μ	F	Μ	F	Μ	F	Т			_	Μ	F	Μ	F	Μ	F	Μ	F	Т
170	173	4250	36	66	28	2	21	10	25	17	42	1500	1530	25000	2	1	2	0	15	60	1	7	2
			3	6		3	83	36	74	25	99				5	8			59	42	8	9	6
															3	7			6		1	1	0
															1	6					2	8	4
																					9		7

	Imp		Impact of Extension activities																		
	· · · · ·																				
Number o	f Participants	Nu	mber	of Tra	inees	got em	ployn	nent (s	elf/ wa	age/	Number of	Participants	Num	ber of	partic	pants	got er	nployı	ment (s	self/ w	age/
tr	ained		entrep	reneur	/ enga	iged as	skille	ed man	power	;)	attended entrepreneur/ engaged as skilled manpo					ower))				
Torrat	Ashiayamant	S	С	S	Т	Oth	ners		Total	l	Torrat	Achievement	S	С	S	Т	Oth	ners	1	Total	
Target Acmevement M F M F M F M F T							Target	Achievement	Μ	F	Μ	F	Μ	F	Μ	F	Т				
1100	1476	14	03	0	0	78	14	92	17	109	1500	1530	01	0	0	0	16	02	17	02	19

Seed production (I)				
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Paddy (R. Sweta), 100q	103.40	103.40	Cauliflower	100	100
Wheat (HD2967), 90q	94.50	94.50	Cabbage	4800	4800
Green gram (Virat), 3.00	3.00	3.00	Broccoli	315	315

					11
Potato (K. Sindhuri), 150q	164.00	164.00	Tomato	10310	10310
Pigeon pea (R. Arhar-1), 7.5q	7.5	7.5	Brinjal	10630	10630
			Chilli	9200	9200
			Cucumber	67	67
			Bottle gourd	134	134
			Moringa	3791	3791
			Sugarcane	2000	2000
			Mango	285	285
			Guava	247	247
			Litchi	61	61
			Papaya	3336	3336
			Marigold	41640	41640

Livestock strains (in no's) and fis	h fingerlings produced (in lakh)*	Soil, water, plant, manure	es samples tested (in lakh)
Target	Achievement	Target	Achievement
		350	379

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

	Technologies assessed under various crops			
Α	(Cereal Crop Production)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management	02	14	14
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			

		1		12
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization			
18	Others			
	Total	02	14	14
В	Technologies assessed under various crops (Hort crops.)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management	2	14	14
4	Integrated Crop Management	1	7	7
5	Integrated Disease Management	1	7	7
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
С	Technologies assessed under livestock & Fisheries by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
۱ <u>ــــــــــــــــــــــــــــــــــــ</u>				

				13
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	0	0	0
D	Technologies assessed under miscellaneous enterprises by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction	2	4	2
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology	1	7	7
13	Value Addition	2	20	5
14	Food Processing and Preservation	1	7	7
	Total	6	38	21
_	Technologies assessed under various			
E	enterprises for women empowerment			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	0	0	0

3.2.2 OFT (All discipline)

OFT -1 (Home Science)

- Thematic area: Value addition
- **Problem definition/Name of OFT:** Preservation of Litchi Squash by traditional methods

1.	Title of On farm Trial (OFT)	Assessment preparation methods of Litchi Squash.
2.	Problem diagnosed	Preservation of Litchi Squash by traditional methods
3.	Details of technologies selected for assessment/refinement	Sell fruits to processors at very low or throw away price
	(Mention either Assessed or Refined)	
		Formulation - ingredients (Product specifications) Litchi pulp: 25%,
		TSS:40°B, Acidity:0.8%, 350 ppm SO2
		Formulation - ingredients (Product specifications) Litchi pulp: 25%,
		TSS:45°B, Acidity:1.2%, 350 ppm SO2
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	N.R.C.Litchi, Muzffarpur, Bihar.
5.	Production system and thematic area	Value addition
6.	Performance of the Technology with performance indicators	The taste and keeping quality of technology option Two is better than
		technology option One. T1 & T2 is better than farmers practice.
7.	Final recommendation for micro level situation	The taste and keeping quality of technology option Two is better than
		technology option One. T1 & T2 is better than farmers practice.
8.	Constraints identified and feedback for research	The preparation methods of litchi squash is more scientific.
9.	Process of farmers participation and their reaction	Face to face interaction, training and Kisan Ghosti

B. Results with Table and good quality photographs in jpg.

Table 1: Sensory score and shelf life.

Treatments	Sensory evaluation (Out of 09 point hedonic scale)	Shelf life (Days)

											15
	Taste	Texture	Colour	Flavour	Overall acceptability	0	15	30	45	60	75
F.P.: Sell fruits to processors at very low or throw away the price	-	-	-	-	-	-	-	-	-	-	-
T ₁ :Ingredients (Product specifications) Litchi pulp: 25%, TSS:40°B, Acidity:0.8%, 350 ppm SO ₂)	8.1	7.7	7.5	8.3	7.8	Good	Good	Good	Good	Good	Slightly taste change
T ₂ ;Ingredients (Product specifications) Litchi pulp: 25%, TSS:45°B, Acidity:1.2%, 350 ppm SO ₂)	8.5	7.8	7.9	8.2	8.4	Good	Good	Good	Good	Good	Good

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions)



Fig: 1. Selection of Litchi

Fig: 2. Peeling of Litchi







OFT -2 (Home Science)

- Thematic area: Value addition
- **Problem definition/Name of OFT:** Assessment of developed Ragi Wheat Composite Laddoo enriched with Drumstick (*Moringa olefera*) leaves for reproductive age Women

1.	Title of On farm Trial (OFT)	Assessment of developed Ragi - Wheat Composite
		Laddoo enriched with Drumstick (Moringa olefera)
		leaves for reproductive age Women
2.	Problem diagnosed	Lack of knowledge about nutritional value of Moringa
		leaves and malted Ragi –wheat flour
3.	Details of technologies selected for assessment/refinement	Use of Ragi and wheat as a flour and none of the use of
	(Mention either Assessed or Refined)	Moringa leaves
		95% malted Ragi-wheat flour mix, 5% drumstick leaves
		powder, Ghee 10% and Sugar 15%
		90 % malted Ragi-wheat flour mix, 10 % drumstick leaves
		powder, Ghee 10% and Sugar 20%

-		
		85 % malted Ragi-wheat flour mix, 15 % drumstick leaves
		powder, Ghee 10% and Sugar 20%
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Department of Food Biotechnology, Faculty of
		Agriculture and Veterinary Science, Jyoti Vidyapeeth
		Women's University, Jaipur, Rajasthan
5.	Production system and thematic area	Value addition
6.	Performance of the Technology with performance indicators	technology option one T ₁ : 95% malted Ragi-wheat flour
		mix, 5% drumstick leaves powder, Ghee 10% and Sugar
		15% is better than technology option Two T_2 : 90 %
		malted Ragi-wheat flour mix, 10 % drumstick leaves
		powder, Ghee 10% and Sugar 20% and Three T ₃ : 85 %
		malted Ragi-wheat flour mix, 15 % drumstick leaves
		powder, Ghee 10% and Sugar 20%.
7.	Final recommendation for micro level situation	The taste and keeping quality of technology option one
		(T1) is better than technology option Two and Three (T2
		& T3).
8.	Constraints identified and feedback for research	This research is very beneficial for reproductive age
		women because during reproductive age women needs
		more amount of Iron, Calcium and Vit. C. These
		technology was adopted very well by respondents
9.	Process of farmers participation and their reaction	Face to face interaction, training and Kisan Ghosti

B. Results with Table and good quality photographs in jpg.

Table 1: Sensory score and shelf life.

Treatments	Se	Sensory evaluation (Out of 09 point hedonic scale)				Shelf life (Days))
	Taste	Texture	Colour	Flavour	Overall acceptability	0	10	20	30	More than 30 days
F.P.: Use of Ragi and wheat as a flour and none of the use of Moringa leaves	-	-	-	-	-	-	-	-	-	-

										19	
T ₁ : 95% malted Ragi-wheat flour mix, 5% drumstick leaves powder, Ghee 10% and Sugar 15%	8.2	7.7	7.5	8.2	7.8	Good	Good	Good	Good	Good	
T ₂ : 90 % malted Ragi-wheat flour mix, 10 % drumstick leaves powder, Ghee 10% and Sugar 20%	8.1	7.7	7.8	8.1	8.2	Good	Good	Good	Good	Slightly changes in taste	
T ₃ : 85 % malted Ragi-wheat flour mix, 15 % drumstick leaves powder, Ghee 10% and Sugar 20%	8	7.2	7.4	7.8	8	Good	Good	Good	Good	Some spoilage comes out	
	Fig: 1. Washing of Moringa leaf, Ragi and Wheat										
		Fig: 2. D	rying of V	Vashing of	Moringa leaf,	, Ragi and Wł	neat				





OFT-1 (Plant Protection)

- Thematic area: IPM
- Problem definition/Name of OFT: Assessment of management practices for Red banded caterpillar in Mango

1	Title of On Farm Trial	Assessment of management practices for Red banded caterpillar in Mango
2	Problem Diagnose	Lack of knowledge about Red banded caterpillar symptoms and management among farmers

3	Details of Technologies selected for assessment/refinement	FP: spray of chlorpyriphos as and when symptoms appear TO1: Collection and destruction of all fallen fruits + Spray deltamethrin 0.0028 % (deltamethrin 2.8 EC@ 1ml/lit) at marble size and repeat after two weeks TO2: Two sprays of thiacloprid 21.7 SC 0.04 % (@ 2ml/lit) at 25-30 days interval.
4	Source of Technology	ICAR-CISH, Lucknow
5	Replication	10
6	Production System & Thematic Area	Integrated pest management
7	Performance of Technology with performance indicator	The result showed that the collection and destruction of all fallen fruits spray along with deltamethrin 0.0028 % (deltamethrin 2.8 EC@ 1ml/lit) spray at marble size and repeating it after two weeks given better results over other treatments. This treatment recorded lowest pest population (1.30 No. of larvae/10 fruits), highest yield (197.64 q/ha) and better BC ratio (5.56) compared to all other treatments. So, the Technology option (Collection and destruction of all fallen fruits, spray deltamethrin 0.0028 % at marble size and repeat after two weeks) may be the best option for the mango production.
8	Constraints identified and feedback for research	Low occurrence of pest due to changing weather pattern
9	Process of farmers participation and their reaction	Field visits, group discussion and trainings

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B. Results with Table and good quality photographs in jpg.

Result: The result showed that the collection and destruction of all fallen fruits spray along with deltamethrin 0.0028 % (deltamethrin 2.8 EC@ 1ml/lit) spray at marble size and repeating it after two weeks given better results over other treatments. This treatment recorded lowest pest population (1.30 No. of larvae/10 fruits), highest yield (197.64 q/ha) and better BC ratio (5.56) compared to all other treatments. So, the Technology option (Collection and destruction of all fallen fruits, spray deltamethrin 0.0028 % at marble size and repeat after two weeks) may be the best option for the mango production.

Table 1: Larval population per tree

	Technology option	Pest population	Yield				BC ratio
--	-------------------	-----------------	-------	--	--	--	----------

	No. of larvae/10 fruits	(q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	2
Farmers Practices : - spray of chlorpyriphos as and when symptoms appear	4.30	146.31	85426	424911	339485	3.97
TO₁ : Collection and destruction of all fallen fruits Spray deltamethrin 0.0028 % (deltamethrin 2.8 EC@ 1ml/lit) at marble size and repeat after two weeks	1.30	197.64	89031	584144	495113	5.56
TO₂: Two sprays of thiacloprid 21.7 SC 0.04 % (@ 2ml/lit) at 25-30 days interval.	2.80	174.45	93649	512777	419128	4.47
SEM (±)	1.61	3.56	-	-	-	-
CD (5%)	5.15	10.81	-	-	-	_



OFT-2 (Plant Protection)

• Thematic area: IPM

• Problem definition/Name of OFT: Management of nematode in important vegetable crops	os.
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1	Title of On Farm Trial	Management of nematode in important vegetable crops.				
2	Problem Diagnose	Lack of knowledge about nematode problems in important vegetable crops.				
3	Details of Technologies selected for	FP: Not aware of symptoms and management.				
	assessment/refinement	TO1: Soil solarization with polythene (40 μ m) white sheet for two weeks + Soil Treatment:				
		<i>Pseudomonas fluorescens</i> (a) 20 gm/m ² + <i>Trichoderma viride</i> (a) 50 g/m ² + Seed Treatment:				
		Pseudomonas fluorescens @ 10 gm/m ² + Trichoderma viride @ 10 g/m ²				
		TO2: Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ² or carbofuran 3g @ 3.6 g/m ²				
4	Source of Technology	IARI, New Delhi				
5	Replication	7				
6	Production System & Thematic Area	Integrated pest management				
7	Performance of Technology with	The result showed that the application of Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ² resulted				
	performance indicator	in reduced number of root knots giving low Root Knot Index (RKI 3.57) which in turn				
		increased the yield (146.67 q/ha) also gave the best result in terms of benefit cost ratio (3.46).				
		So, the Technology option (Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ²) may be the best option				
		for the mango production.				
8	Constraints identified and feedback for	r Difficult to analyse the nematode population as no equipment is available for analysis				
	research					
9	Process of farmers participation and	Field visits, group discussion and trainings				
	their reaction					

B. Results with Table and good quality photographs in jpg.

Result: The result showed that the application of Fluensulfone (Nmitiz) $2G @ 2.5 \text{ gm/m}^2$ resulted in reduced number of root knots giving low Root Knot Index (RKI 3.57) which in turn increased the yield (146.67 q/ha) also gave the best result in terms of benefit cost ratio (3.46). So, the Technology option (Fluensulfone (Nmitiz) $2G @ 2.5 \text{ gm/m}^2$) may be the best option for the mango production.

Table 1: Root Knot Index and yield analysis of chilli

Technology option	RKI (0-5 scale)	Yield (g/ba)	Cost of	Gross return	Net return	BC ratio
		(q / n a)	(Rs./ha)	(R 5/IIa)	(RS./IIA)	

						2
Farmers Practices: - They do not know the nematode symptoms	5.00	98.75	143051	450800	307749	2.15
TO₁ : Soil solarization with polythene (40 μ m) white sheet for two weeks Soil Treatment: <i>Pseudomonas fluorescens</i> @ 20 gm/m ² + <i>Trichoderma viride</i> @ 50 g/m ² Seed Treatment: <i>Pseudomonas fluorescens</i> @ 10 gm/m ² + <i>Trichoderma viride</i> @ 10 g/m ²	4.14	127.50	158865	586500	427635	2.69
TO₂: Fluensulfone (Nmitiz) 2G @ 2.5 gm/m ² or carbofuran 3g @ 3.6 g/m^2	3.57	146.67	151230	674682	523452	3.46
SEM (±)	0.13	3.97	-	-	-	-
CD (5%)	0.40	12.52	-	-	-	-





Experimental layout and application of treatments at farmer's field

OFT-1 (Horticulture)

- Thematic area: Vegetable Production
- **Problem definition/Name of OFT:** Assessment of microbial consortia against wilting in Solanaceous crops.

		26			
1	Title of On Farm Trial	Assessment of microbial consortia against wilting in Solanaceous crops			
2	Problem Diagnose	Poor yield due to old wilting infestation in brinjal			
3	Details of Technologies selected	of Technologies selected FP: Chemical pesticides			
	for assessment/refinement	T1: IIHR, Consortia (Arka microbial consortia)			
		T2: NRC litchi Consortia			
4	Source of Technology	ICAR-IIHR, Bangalore and ICAR-NRC, Litchi, Muzaffarpur			
5	Replication	7			
6	Production System & Thematic	Vegetable Production			
	Area				
7	Performance of Technology with	Disease incidence and crop yield will be analysed			
	performance indicator				
8	Constraints identified and	Availability of consortia could be challenge to farmers in large scale cultivation.			
	feedback for research				
9	Process of farmers participation	Field visits, group discussion and trainings			
	and their reaction				

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed	Area (ha in crop Fodder)/ Nos (ir) & 1 livestock)	Yield	Cost of cultivation	Gross return (Rs/ha)	Net return	BC ratio
	treatments	Proposed	Actual	(q/ha)	(Rs./ha)		(Rs./ha)	
Vegetable	FarmersPractices:Chemical Pesticides	0.2	0.2	548.24	103800	328944	225144	3.17
production	TO ₁ : IIHR consortia (AMC)			565.98	103500	339588	236088	3.28
	TO ₂ : NRC Litchi Trichoderma			572.00	99400	343200	243800	3.45



OFT-2 (Horticulture)

- Thematic area: Fruit production/Fruit quality improvement
- **Problem definition/Name of OFT:** Assessment of fruit bagging in Guava for quality improvement

1.	Title of On farm Trial (OFT)	Assessment of fruit bagging in Guava for quality
		improvement
2.	Problem diagnosed	Fruit fly infestation leading to fruit drop and poor quality.
3.	Details of technologies selected for assessment/refinement	Farmers Practices: no bagging
	(Mention either Assessed or Refined)	TO ₁ : Cellophane bag cover
		TO2: Paper bagging
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR
5.	Production system and thematic area	Fruit production/Fruit quality improvement

6.	Performance of the Technology with performance indicators	Highest yield was observed in TO_2 (159.80 q/ha) followed
		by TO ₁ (158.20 q/ha) and least in FP (132.60 q/ha). TO ₁
		exhibited the most economic treatment with BCR of 3.80.
7.	Final recommendation for micro level situation	TO ₁ and TO ₂ was observed as the effective and economic
		treatment for fruit fly management in Guava
8.	Constraints identified and feedback for research	Labour intensive practices
9.	Process of farmers participation and their reaction	Face-to-face training and interaction, field visit and
		observations.

B. Results with Table and good quality photographs in jpg.

Thematic area	Technology options with detailed	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield	Cost of cultivation	Gross return (Rs/ha)	Net return	BC ratio
	treatments	Proposed	Actual	(q/ha)	(Rs./ha)		(Rs./ha)	
Fruit	Farmers Practices:	1	1					
production/Fr	no bagging			132.60	98600	238680	140080	2.42
uit quality	TO ₁ : Cellophane bag							
improvement	cover			158.20	103500	395500	292000	3.82
	TO₂: Paper bagging			159.80	100500	319600	219100	3.18





Demonstration Field with Farmers

Data collection

OFT-1 (Agricultural Engineering)

- Thematic area: Resource Conventional Technology
- **Problem definition/Name of OFT:** Assessment of Happy Seeder for wheat sowing under crop residue management

1.	Title of On farm Trial (OFT)	Assessment of Happy Seeder for wheat sowing under crop residue management
2.	Problem diagnosed	Crop Residue and Delay in Sowing of wheat
3.	Details of technologies selected for assessment/refinement	Assessed
	(Mention either Assessed or Refined)	Farmer Practice: Broadcasting (in tilled condition)
		TO1: Removal of crop residue and sowing by Zero Till drill
		TO2: Sowing of wheat by Happy Seeder incorporating the crop residue
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU Ludhiana and Dr RPCAU,Pusa
5.	Production system and thematic area	Resource Conventional Technology
6.	Performance of the Technology with performance indicators	Yield component, Yield, Cost of cultivation, Gross return, Net return, BC ratio
7.	Final recommendation for micro level situation	The findings of the trial revealed that TO2, which utilized the Happy Seeder, exhibited the highest yield of 36.85 q/ha, surpassing both FP and TO1. Moreover, TO2 demonstrated the highest gross return of Rs. 81,070 and net return of Rs. 48,365.00 with a notably favorable benefit-cost ratio of 2.47. Despite the requirement of a high-powered tractor (45-55 hp), farmers expressed a willingness to adopt this technology.
8.	Constraints identified and feedback for research	Availability of Happy Seeder, Knowledge Gap, Maintenance & serving of zero tillage and happy seeder machine
9.	Process of farmers participation and their reaction	Face to face interaction with farmers.

B. Crop residues management and green-manure incorporation on yield & economics of wheat.

Thematic	Technology option	No. of	Yi	eld compo	onent	Yield	Cost of	Gross	Net	BC
area		trials	No. of	Numbe	Test wt.		cultivation	return	return	ratio
			effective	r of	(100 grain	(q/ha)		(Rs/ha)		
			tillers/hil	grain /	wt.)		(Rs./ha)		(Rs./ha)	
			1	spike						
Resource	Farmer Practice:		12.75	55	3.2	31.49	34,259	69,278	32019	2.02
Convention	Broadcasting (in tilled									
al	condition)									
Technology	TO1: Removal of crop residue		14.45	62	3.6	33.50	31,068	73,700	42632	2.37
	and sowing by Zero Till drill									
	TO2: Sowing of wheat by		15.30	64	4.1	36.85	32,705	81,070	48365	2.47
	Happy Seeder incorporating	07								
	the crop residue									
	CD(5%)		1.469	N/A	0.265	3.05				



OFT-2 (Agricultural Engineering)

- Thematic area: Food Processing and Preservation
- Problem definition/Name of OFT: Assessment of different packaging materials on the shelf life of solar dried oyster mushroom

1.	Title of On farm Trial (OFT)	Assessment of different packaging materials on the shelf life of solar dried oyster mushroom
2.	Problem diagnosed	• Highly perishable ,Enzymatic browning ,Oxidative deterioration, Shelf life is very low
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assesed Farmers Practices: No packaging and dried under sunlight TO-1 [Suitable Punnet wash in plain water, pre-treatment with 0.05 % KMS and solar dried] TO-2 [LDPE bag (40-60 micron/100-150 gauge) wash in plain water, pre-treatment with 0.05 % KMS) and solar dried]

			32
4.	Source of Technology (ICAR/	Dr RPCAU, Pusa	
	AICRP/SAU/other, please specify)		
5.	Production system and thematic area	Food Processing and Preservation	
6.	Performance of the Technology with	Data will be recorded	
	performance indicators	Rehydration Ratio	
		• Colour	
		Overall acceptability	
7.	Final recommendation for micro level situation	In the evaluation of rehydration ratios, color, and overall acceptability of dried	
		produce, seven trials were conducted for each technology option. The Farmers	
		Practices (FP) involved sun-drying without packaging, yielding a rehydration ratio	
		ranging from 2.21 to 2.86 and color scores decreasing from 6.4 to 5.9 over 90 days.	
		TO-1, utilizing punnet wash and 0.05% KMS pre-treatment, exhibited improved	
		rehydration ratios (3.09 to 3.63) and color scores (6.2 to 7.7). TO-2, employing LDPE	
		bag and the same pre-treatment, showed even higher rehydration ratios (3.56 to 3.81)	
		and superior color scores (7.6 to 8.4). Overall acceptability increased for both TO-1	
		and TO-2, emphasizing the efficacy of improved packaging and pre-treatment	
		methods.	
8.	Constraints identified and feedback for	Farmers are complaining about shelf life of the mushroom. They are taking their	
	research	product to the market and within few days product quality was not acceptable and	
		also in peak season supply is more than demand.	
9.	Process of farmers participation and their	Face to face interaction with farmers.	
	reaction		

B. Effect of different treatments on dried mushroom.

Thematic area	Technology option No. of		R	Rehydration Ratio				Colour				Overall acceptability			
		trials	0 days	30 days	60 days	90 days	0 days	30 days	60 days	90 days	0 days	30 days	60 days	90 days	
Food processing and preservation	Farmers Practices: No packaging and dried under sunlight		2.86	2.64	2.43	2.21	6.4	6.1	5.9	5.8	6.9	6.6	6.3	6.1	
	TO-1 [Suitable Punnet wash in plain water, pre-treatment with 0.05 % KMS and solar dried]	7	3.63	3.58	3.41	3.09	7.7	7.1	6.8	6.2	7.8	7.4	7.1	6.9	

TO-2 [LDPE bag (40-60 micron/100-150 gauge) wash in plain water, pre-treatment with 0.05 % KMS) and solar dried]	3.81	3.77	3.62	3.56	8.4	8.1	7.8	7.6	8.6	8.1	7.9	7.6
SEM	0.048	0.027	0.049	0.044	0.274	0.282	0.324	0.263	0.184	0.217	0.309	0.255
CD (0.05)	0.150	0.085	0.154	0.138	0.852	0.878	1.009	0.820	0.575	0.676	0.963	0.794



OFT-01 (Crop Production)

- Thematic area: Integrated Nutrient Management
- Problem definition/Name of OFT: Low Nitrogen Use Efficiency in Wheat based cropping system

1.	Title of On farm Trial (OFT)		Impr crop	Improvement of Nitrogen Use Efficiency in Wheat based cropping system							
2.	Problem diagnosed				Exce urea	Excessive use of chemical fertilizer and Spiraling rice of urea leads to increase in cost of cultivation						
3.	Details of technologies (Mention either Assesse	selected for ed or Refine	assessment/read)	F. P. TO wate TO 2 at (3 (Ass	F. P.: RDF (100:40:20) Kg/ha TO 1: 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS) TO 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water (Assessment)							
4.	Source of Technology (ICAR/ AIC	RP/SAU/othe	r, please specify	7)							
5.	Production system and	thematic are	ea		Whe Man	Wheat based cropping system (Integrated Nutrient Management)						
6.	Performance of the Tec	hnology wi	th performanc	e indicators								
			Yield cor	mponent			Economics com	ponent				
	Technology option	No. of effective tillers/plant	No. of grain per ear head	Test wt. (100 grain wt.) (g)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio			
	F. P.: RDF (100:40:20) Kg/ha	15.0	29.0	3.18	23.5	20800	48000	27200	2.30			
	TO 1: 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS)	23.0	38.0	4.15	30.4	23450	60500	37050	2.57			
	TO 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35	25.0	45.0	4.28	31.1	23900	62000	38100	38100 2.59			

	DAS) and (60-65DAS) @ 4 ml/lt water						
	SEM (±)	5.29	8.02	0.83			
7.	Final recommendation f	for micro le	vel situation				
8.	Constraints identified an	nd feedback	for research				
9.	Process of farmers parti						

B. Results with Table and good quality photographs in jpg.





Spraying of Nano-urea in OFT plot





Demonstration plot of OFT

OFT-02 (Crop Production)

- Thematic area: Integrated Nutrient Management
- Problem definition/Name of OFT: Low Nitrogen Use Efficiency in Paddy based cropping system

1.	Title of On farm Trial (OFT)				Improvem	ent of Nitrogen	n Use Effici	ency in Wh	eat based		
2	Problem diagnosed				cropping s	system	al fortilizor	and Spiralin	a rise of		
2.	1 Toblem diagnosed				urea leads to increase in cost of cultivation						
3.	Details of technologies select (Mention either Assessed or 1	ted for assessme Refined)	nt/refinemen	t	F. P.: RDF (100:40:20) Kg/ha						
		TO 1: 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS)									
		TO 2: 50% at (35 DA	6 of RDN & 10 S) and (60-65E	00% PK + 2 DAS) @ 4 m	sprays of N ıl/lt water	ano Urea					
			(Assessment)								
4.	Source of Technology (ICAR	R/ AICRP/SAU/	other, please	specify)							
5.	Production system and thema	atic area			Rice based cropping system (Integrated Nutrient Management)						
6.	Performance of the Technolo	gy with perform	nance indicate	ors		,					
			Yield comp	onent			Economics con	nponent			
	Technology option	No. of effective tillers/plant	No. of grain per panicle	Test wt. (10 grain wt.)	000 Yield (g) (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio		
	F. P.: RDF (100:40:20) Kg/ha	18.0	48.0	18.78	32.2	24710	51320	27200	2.07		
	TO 1: 50% of RDN & 100% PK + Nano urea at 4ml/lt. water (Single spray at 25-30 DAT)	24.0	63.0	21.07	35.0	24870	54760	29890	2.20		
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	TO 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25-30 DAT) and (60-65DAT) at 4 ml/lt water	25.0	67.0	22.39	36.4	25330	56340	31010	2.22		
	SEM (±)	3.50	9.50	1.81	2.10						
7.	Final recommendation for mi	cro level situati	on								
8.	Constraints identified and fee	dback for resea	rch								
9.	Process of farmers participati	on and their rea	ction								



Spraying of Nano-urea in OFT plot





Field visit to OFT plot

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2023

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo	Yield in check
					(q/ha)	(q/ha)
	Cereals	07	25.5	106	-	-
	Oil Seed					
	Pulses					
	Horticulture Crops	07	8.2	84	-	-
	Other crops					
	Hybrid crop					
	Livestock					
	Fisheries					
	Other enterprises					
	Women empowerment	13		47	-	-
	Farm Machinery	04		40	-	-
	Grand Total	31	33.7	277	-	-

B. Details of FLDs conducted during the year 2023

1. Cereals

		Name of the	No. of	Area	Yield	(q/ha)	%	*Eco	nomics of (Rs.	demonstra /ha)	tion	*]	Economic (Rs.	s of check /ha)	Ĺ
Crop	Thematic Area	technology	Farmers	(ha)	D	C1 1	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
		demonstrated			Demo	Check		Cost	Return	Return	BCR	Cost	Return	Return	BCR
	Cropping	HYV (Rajendra	19				16.01	36300	79510	43210	2.19	32700	66700	34000	
	Systems	08, Rajendra 01 &													
	2,5001115	Rajendra 02) &													
Ragi		integrated Crop		2.5	32.6	28.1									2.04
	Cronning	Management	22				19.60	19200	42140	22940	2.20	14000	22070	12000	
	Cropping	integrated Crop	22				18.00	16500	42140	23640	2.50	14000	32970	16090	
Til	Systems	Management		13.0	5.1	4.3									2.21
Kodo	Cropping	HYV (Rajendra-2)	17				31.47	12100	29400	17300	2.42	11400	26200	14800	
Millot	Sustama	& Drought tolerant		2.0	100	14.2									2.20
Willet	Systems	crops		2.0	18.8	14.5									2.29
	Cropping	HYV (Pusa	20				14.53	28100	44810	16710	1.60	26800	38900	12100	
	Systems	Composite 701) &													
Bajra	2,5001115	Drought tolerant		4.0	13.4	11.7									1.45
Democrat	Creaning	Crops	10				22.09	17000	27020	10.120	1.57	15900	22790	7090	
Barnyard	Cropping	HYV (Dhoh-2) & Drought tolorant	12				25.08	17800	27920	10,120	1.57	15800	23780	/980	
Millet	Systems	crops		0.5	11.2	9.1									1.50
Foxtail	Cropping	HYV (Cheena) &	4				18.35	18100	35710	17610	1.97	16900	31450	14550	
		Drought tolerant		0.5	10.7	15.0									1.00
millet	Systems	crops		0.5	18.7	15.3									1.86
	Cropping	HYV (DBW-187)	5				24.21	52100	94800	42700	1.81	48620	81470	32850	
Wheat	Systems	& integrated Crop		2.0	43.1	34.7									1.67
		Management	-				01.15	4 6 7 0 0	01000	44500	105	12000	00500	25520	
	Cropping	HYV (R. Sweta) &					21.45	46780	91300	44520	1.95	43900	80530	37530	
Paddy	Systems	Management		1.0	33.4	27.5									1.87
Total			106	25.5											┝───┤
10111			100	25.5											

2. Oilseeds

Cron	Thomatic Area	Name of the	No. of	Area	Yield	(q/ha)	%	*Eco	nomics of (Rs.	demonstra /ha)	tion	*	Economic (Rs.	cs of check /ha)	
Crop	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
		demonstrated			Demo	CHEEK		Cost	Return	Return	BCR	Cost	Return	Return	BCR
	Cropping	HYV (PM-30) &	10				17.39	23430	48140	24710	2.08	20980	41900	20920	
Mustard	Systems	integrated Crop Management		5.0	16.2	13.8									1.99
Total			10	5.0											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

3. Pulses

Gron	Thomatic Area	Name of the technology	No. of	Area	Yield	(q/ha)	%	*Ec	onomics o (Rs	f demonstrat s./ha)	tion		*Economi (Rs	cs of check s./ha)	-
Стор	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

4. Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.

					Vield	(a/ha)		*Eco	nomics of	demonstrati	ion	×	*Economic	s of check	
Corre		Name of the technology	No. of	Area	Tielu	(q/11a)	%		(Rs./	ha)			(Rs./	/ha)	
Crop	Thematic Area	demonstrated	Farmers	(ha)	Dama	Chaok	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
					Demo	Check		Cost	Return	Return	BCR	Cost	Return	Return	BCR
Cabbage	IPM	Indoxacarb	10	1	119	86	33.84	55000	178000	123000	3.23	49000	129000	80000	2.63
Okra	IPM	Emamectin benzoate	10	2	147	121	17.69	108600	308700	200100	2.84	94900	254100	159200	2.67
Brinjal	HYV of vegetables	Cultivation of Brinjal var. Kashi Sandsesh	16	1	502.8	346.2	45.23	94400	502800	408400	5.33	94400	346200	251800	3.67
Tomato	HYV of vegetables	Cultivation of Tomato var. Kashi Aman	17	2	526.8	364.5	44.53	84500	421440	336940	4.99	84500	291600	207100	3.67

															41
Marigold	Introduction of	Cultivation of	10	1	140 5	102.2	45.20								
	HYV flower crop	Marigold var. Pusa Narangi	10	1	148.5	102.2	45.30	68600	297000	228400	4.33	68600	204400	135800	3.45
Potato	HYV of vegetables	Cultivation of Potato var. Kufri Sinduri	5	0.2	308.6	280	10.21	94500	308600	214100	3.27	94500	280000	185500	2.98
Onion	HYV of vegetables	Cultivation of Onion var. NHRDF Red	16	1	316.4	285.8	10.71	82500	474600	392100	5.75	82500	428700	346200	2.96
	Total		84	8.2											

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST



Demonstration Field

Data collection



Demonstration Field







5. Other crops

Crop Thematic area	No. of FarmerArea (ha)	Yield (q/ha)	% change	Other parameters	*Economics of demonstration (Rs./ha)	*Economics of check (Rs./ha)
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	Name of the technology demonstrated		Demons ration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

6. Demonstration details on crop hybrid varieties

Cron	Name of the	No. of	Area	Yield (k	g/ha) / major p	arameter		Economics	s (Rs./ha)	
Сюр	Hybrid	Farmers	(ha)	Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										

	TT 1 1 1				0.4.4					
Tomato	Kashi Aman	17	2	526.8	364.5	44.53	84500	421440	336940	4.99
Brinjal	Kashi Sandsesh	16	01	502.8	346.2	45.23	94400	502800	408400	5.33
Okra										
Onion	NHRDF Red	16	1	316.4	285.8	10.71	82500	474600	392100	5.75
Potato	Kufri Sinduri	5	0.2	308.6	280	10.21	94500	308600	214100	3.27
Field bean										
Others (Pl. specify)	Pusa Narangi	10	1	148.5	102.2	45.30	68600	297000	228400	4.33
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

7. Livestock

Catagore	Thematic	Name of the	No. of	No.	Maj param	jor leters	% change	Other pa	rameter	*Eco	nomics of (Re	demonstra s.)	ation	*	Economic (Re	s of check s.)	1
Category	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	

															46
Total															
* Description to be used out to be added to the located and with any unit and out on write allows.															

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Catagowy	Thematic	Name of the	No. of	No.	Maj param	jor leters	% change	Other par	rameter	*Ecoi	nomics of (Rs	demonstra s.)	ation	*	Economic (Rs	s of check s.)	Σ.
Category	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
	Total																

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

	Name of the	No. of	No.of	Major par	ameters	% change	Other par	rameter	*Econo	mics of de or Rs	monstratic ./unit	on (Rs.)		*Econom (Rs.) o	ics of chec r Rs./unit	:k
Category	demonstrated	Farmer	units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observat	ions	No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction	3	Bhindi Plucker, Dung Collector and Vegetable Planter	Durdgery Index, Health Hazards and Musculoskeletal Disorders	Bhindi Plucker Dung Collector Vegetable Planter	37
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden	5	Vegetables seeds (Rabi and Kharif) IIVR, Varanasi	Income	Layout of Kitchen garden model	5
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others	5				5
Total - Women	13				47
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	13				47

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Сгор	No. of Farmer	Area (ha)	Filed obser (output/ma	vation n hour)	% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demons ration	Check			
Sowing and planting tools and machineries	01	Seed cum ferti Drill Machine	Wheat	5	2	4	25	84 % labour reduction	21	6000
Sowing and planting tools and machineries	01	Seed cum ferti Drill Machine	Mustard	5	2	4	18	77.7% labour reduction	14	3800
Sowing and planting tools and machineries	1	Vegetable Planter	Vegetables crop	10	2	10	8 hrs	4 hrs	5/10	10,000
Total Sowing and planting Machineries	3	Seed cum ferti Drill Machine, Vegetable Planter	Wheat, Mustard and Vegetables	20	06	-	-	-	-	-
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries Postharvest	1	Bhindi Plucker	Vegetables crop	20	1	20	4 hrs	2 hrs	4/10	20,000
processing tools and machineries										
Total mechanization tools and machineries	4	Seed cum ferti Drill Machine, Vegetable Planter, Bhindi Plucker	Wheat, Mustard and Vegetables	40	7		-	-	-	-

							49
Others	01	Laser Land Levelling	-	5	2	Water Saving upto 24-30 %	
Total of Others	01	Laser Land Levelling	-	5	2	-	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone. ** BCR= GROSS RETURN/GROSS COST

Extension and Training activities under FLD

S1.	Activity	Date	No. of activities	Number of	Remarks
No.	Activity		organized	participants	
1.	Field days	24/06/2023 and 01/10/2024	3	60	
2.	Farmers Training	24/06/2023 and 01/10/2024	3	60	
3.	Media coverage				
4.	Training for extension				
	functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back

A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

(During Kharif, Rabi and Summer)

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety	Existing yield (q/ha)	Yie	ld gap (K w.r.to State	g/ha) Potential	Name of Variety + Technology	Number of farmers	Area in ha	Yield o	btained (q	/ha)	Yield	gap mini (%)	mized
		name	7 years	yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	Р
1	Chickpea (Pusa 3043)	Desi	11.5	10.2	11.4	20-25	Improved Variety, Boron @ 10 kg/ha	30	10	14.76	14.06	14.41	41.27	26.40	- 35.96
2	Lentil	Desi	11.7	8.7	11.4	14-18	Improved Variety,	67	20	15.33	14.96	15.14	74.02	37.13	-5.38

															50
	(IPL 220)						Sulphur @ 20 kg/ha, Pendimethaline @ 2.5 lt/ha								
3	Field Pea (IPFD-10- 12)	Desi	13.5	10.6	10.4	22-25	Improved Variety, Hexaconazole 0.5g/lt	67	20	15.85	14.45	15.15	42.92	45.67	- 35.53
4	Black gram (PU 31)	Desi	8.2	-	-	10-15	Improved Variety, Sulphur @ 20 kg/ha	30	10	11.9	8.9	10.4	-	-	-16.8
5	Green gram (Virat)	Desi	6.5	5.0	6.9	15-18	Improved Variety, Sulphur @ 20 kg/ha , Boron @ 10 kg/ha	60	20	8.7	6.9	7.8	56.00	13.04	- 52.72
6	Lentil (IPL220) (2023-24)	Desi	-	-	-	14-18	Improved Variety, Soil testing, Integrated Crop management	59	20	Crop Standing					
7	Mustard (R. suflam)	Desi	11.6	11.0	15.5	18-20	Improved Variety, Sulphur @ 20 kg/ha, Boron 10 kg/ha, Pendimethaline @ 2.5@ ltr/ha	52	20	15.19	14.28	14.74	34.00	-4.90	- 22.42
8	Linseed (Shekar)	Desi	7.1	10.0	14.27	15-16	Improved variety, sulphur @ 20 kg/ha, Boron @ 10 kg/ha	50	20	11.92	11.68	11.80	18.00	- 20.93	- 23.87
9	Sesame	Desi	4.1	4.2	4.3	7-8	Improved variety,	30	10	5.6	4.8	5.2	23.8	20.93	- 30.67

										51
					sulphur @ 20					
					kg/ha					
10	Mustard	Desi			Improved	Crop				
	(RH-761)				Variety, Soil	Standing				
	(2023-24)				testing,	20010118				
	(Integrated					
					Crop					
					management					
11	Linseed	Desi			Improved	Crop				
	(Sabour Tisi-				Variety, Soil	Standing				
	1)				testing,	~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~~				
	(2023-24)				Integrated					
					Crop					
					management					

2. Economic parameters

S1			Farmer's Exist	ing plot			Demonstratio	n plot	
SI.	Variety demonstrated & Technology demonstrated	Gross Cost	Gross return	Net Return	B:C	Gross Cost	Gross return	Net Return	B:C
INO.		(Rs/ha)	(Rs/ha)	(Rs/ha)	ratio	(Rs/ha)	(Rs/ha)	(Rs/ha)	ratio
1	Chickpea	28300	67580	39280	2.38	30900	80740	49840	2.61
2	Lentil	16800	35000	18200	2.08	19300	43900	23600	2.28
3	Field Pea	26300	63340	37040	2.41	87620	31350	56270	2.8
4	Black gram	14700	39140	24440	2.66	17200	50300	33100	2.92
5	Green gram	18900	42870	23970	2.26	24720	57140	32420	2.31
6	Lentil	Crop							
	(2023-24)	Standing							
7	Mustard	25000	72850	47850	2.91	20300	51400	31100	2.53
8	Linseed	19100	41900	22800	2.19	23450	53640	30190	2.29
9	Sesame	15820	33780	17960	2.13	19100	43740	24640	2.29

3. Socio-economic impact parameters

S1.	Crop and variety	Total	Produce sold	Selling	Produce	Produce	Purpose for which	Employment
No.	Demonstrated	Produce	(Kg/household)	Rate	used for own	distributed to	income gained	Generated
		Obtained		(Rs/Kg)	sowing (Kg)	other farmers	was utilized	(Mandays/house
		(kg)				(Kg)		hold)
1	Chickpea		1505	55	50	35	Livelihood,	80
	(Pusa 3043)						education and	
		1590					status	
2	Lentil		1360	65	80	50	Livelihood,	60
	(IPL 220)						education and	
		1490					status	
3	Field Pea		1550	62	70	20	Livelihood,	70
	(IPFD-10-12)						education and	
		1640					status	
4	Black gram		940	56	50	50	Livelihood,	70
	(PU 31)						education and	
		1040					status	
5	Green gram		710	56	60	10	Livelihood,	68
	(Virat)						education and	
		780					status	
6	Lentil							
	(IPL220)	Crop						
	(2023-24)	Standing						
7	Mustard		1040	70	10	110	Livelihood,	55
	(R. suflam)						education and	
		1160					status	
8	Linseed		625	55	15	70	Livelihood,	50
	(Shekar)						education and	
		710					status	

								55
9	Sesame		370	58	10	30	Livelihood,	50
	(Krishna)						education and	
		410					status	

B. Pulses/Oilseed Farmers' perception of the intervention demonstrated

S1.	Technologies			Far	mers' Perception	parameters	
No.	demonstrated	Suitability to	Likings	Affordability	Any negative	Is Technology	Suggestions, for
	(with name)	their farming	(Preference)		effect	acceptable to all in the	change/improvement, if any
		system				group/village	
1	Chickpea	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	Variety, Boron						available
	@ 10 kg/ha						
2	Lentil	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	Variety, Sulphur						available
	@ 20 kg/ha,						
	Pendimethaline						
	@ 2.5 lt/ha	.					
3	Field Pea	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	Variety,						available
	Hexaconazole						
1	0.3g/It Black gram	Voru Wall	Highly	Iliahly	No	Vac Manainal	More good More fund &
4	Diack grain	very wen	Highly D C 1	Fighty	INO		More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	\emptyset 20 kg/ba						available
5	Green gram	Very Well	Highly	Highly	No	Ves Marginal	More seed More fund &
5	Improved	very wen	Droforrad	Inginy	110	Formor	Tachnology Agent, should be
	Variety Sulphur		riciciicu			Faimer	Technology Agent should be
	@ 20 kg/ha						available
	Boron @ 10						
	kg/ha						

							54
6	Lentil	Crop					
	Improved	standing					
	Variety, Soil						
	testing, ICM						
	(2023-24)						
7	Mustard	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	Variety, Sulphur						available
	@ 20 kg/ha,						
	Boron 10 kg/ha,						
	Pendimethaline						
	@ 2.5@ ltr/ha						
8	Linseed	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	variety, sulphur						available
	@ 20 kg/ha,						
	Boron @ 10						
	kg/ha						
9	Sesame	Very Well	Highly	Highly	No	Yes Marginal	More seed, More fund &
	Improved		Preferred			Farmer	Technology Agent should be
	variety, sulphur						available
	@ 20 kg/ha,						
1	1	1			1		

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Chickpea	Well	Very good	Responded positively

			55
Improved Variety, Boron @ 10			
kg/ha			
Lentil	Well	Very good	Responded positively
Improved Variety, Sulphur @ 20			
kg/ha, Pendimethaline @ 2.5 lt/ha			
Field Pea	Well	Very good	Responded positively
Improved Variety, Hexaconazole			
0.5g/lt Block grow	XX7 11		
Black gram	well	Very good	Responded positively
Improved Variety, Sulphur @ 20			
kg/na Green gram	Wall	Varu good	Desmanded regitively
	wen	very good	Responded positively
Improved Variety, Sulphur @ 20 kg/ha Boron @ 10 kg/ha			
Lentil	Well	Very good	Responded positively
Improved Variety Soil testing ICM	Wen		Responded positivery
(2023-24)			
Mustard	Well	Very good	Responded positively
Improved Variety, Sulphur @ 20	Wen		Responded positivery
kg/ha Boron 10 kg/ha			
Dandimathaling @ 2.5@ Itr/ha			
Linseed	Well	Very good	Responded positively
Improved variety, sulphur @ 20			
kg/ha, Boron @ 10 kg/ha			
Sesame	Well	Very good	Responded positively
Improved variety, sulphur @ 20			
kg/ha,			
Mustard	Well	Very good	Responded positively
Improved Variety, Soil testing, ICM			responded Poster ery
(2023-24)			
Linseed	Well	Very good	Responded positively

Improved Variety, Soil testing, ICM		
r · · · · · · · · · · · · · · · · · · ·		
(2023-24)		
· · ·		

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended			
1.	Bhindi Pulcker for harvesting of	Choruli	20			
	Okra					
2.	FLD training on Dung Collector	24/01/2024 Rampur Kothi	10			
		and Mahamadpur				
3.	Training	20.01.2023	13			
		KVK, Siwan				
4.	Training	24.01.2023	12			
		KVK, Siwan				
5.	Field day	10/08/2022	20			
		Rampur				
6.	Field day	21/01/2023	40			
	Tield day	Hilsar				
7.	Field day	01/03/2023	19			
	T feld day	Saripatti	19			
8.	Field day	16/03/2023	18			
	Tield day	Bhagwanpur Hat	10			
9.	Field day	01/05/2023	46			
	Field day	Rampur				
10.	Field day	17/05/2023	42			
		Darji Tola				
11.	Training	10/10/2023	13			
		Goreakoti				
12.	Training	11/10/2023	60			
		Basoli				

13.	Training	12/10/2023	27
	_	Hariharpur Lalgadh	
14.	Training	13/10/2023	20
		Nathanpura	
15.	Training	15/10/2023	16
		Sihauta	
16.	Training	17/10/2023	31
		Narendrapur	
17.	Training	18/10/2023	33
	-	Narendrapur	

- E. Sequential good quality photographs (as per crop stages i.e. growth & development)
- F. Farmers' training photographs
- G. Quality Action Photographs of field visits/field days and technology demonstrated.
- H. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total			

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES (Mandated KVK trainings/sponsored training /FLD training programmes):

A. Farmers and farm women including the sponsored training programme (on campus)

		No. of Participants											
Thematic Area	No. of		Other			SC			ST		Gr	and To	otal
	Courses	Μ	F	Т	М	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	1	18	2	20	0	0	0	0	0	0	18	2	20
Resource Conservation Technologies	1	15	0	15	5	0	5	0	0	0	20	0	20
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1	0	10	10	0	4	4	0	0	0	0	14	14
Fodder production													
Production of organic inputs	1	14	0	14	1	0	1	0	0	0	15	0	15
Others, (cultivation of crops)	7	54	19	84	13	32	45	0	0	0	78	51	129
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Shade Net etc.)													
Others, if any (Cultivation of	2												
Vegetable)	2	19	0	19	18	0	18	0	0	0	37	0	37
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	8	0	8	2	0	2	0	0	0	10	0	10
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management				L	<u> </u>								
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of													
Ornamental Plants													
Others, if any													
d) Plantation crops													

				No	o. of Participants								
Thematic Area	No. of		Other			SC			ST		Gra	and To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production and Management													
technology													
Processing and value addition													
Others, if any						-						-	
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
T) Spices													
Production and Management													
Dragoning and value addition													
Others if and value addition													
Others, 11 any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
Doot homeot to the standard and the													
Post-narvest technology and value													
Others, if any													
III. Soil Health and Fertility													
Management													
Soil fertility management						-						-	
Soil and Water Conservation													
Integrated Nutrient Management													ļ
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													
iow/minimum cost diet													<u> </u>
Designing and development for high													
nutrient efficiency diet													
winimization of nutrient loss in													
Condensation (1 - 1 OUC													
Gender mainstreaming through SHGs									-				
Storage loss minimization techniques													
Enterprise development				70	-		4.6				2	100	122
value addition	5	0	70	70	2	44	46	0	0	0	2	120	122

				No	o. of F	Partici	nants						
Thematic Area	No. of		Other			SC	punts		ST		Gr	and To	otal
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Income generation activities for													
empowerment of rural Women													
Location specific drudgery reduction													
technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming practices													
Production of small tools and													
Implements													
Repair and maintenance of farm	3	60	5	65	15	5	20	0	0	0	75	10	85
machinery and implements						_		-	-	-		-	
Small scale processing and value	3	88	0	88	5	0	5	0	0	0	93	0	93
addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
bio postigides													
Others, if any Seed Treatment	07	100	0	114	10	40	52		0	0	110	40	107
VIII Fishering	07	106	0	114	13	40	55	0	0	0	119	48	107
VIII. FISHERIES							ł – –						
Corp broading and batabary													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its													
application to fish pond like nursery													
rearing & stocking pond													
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental													
fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production							İ						
Bio-fertilizer production							1						
Vermi-compost production													
Organic manures production							1						
Production of fry and fingerlings													

				No	o. of F	Partici	oants				C	1.00	
Thematic Area	No. of		Other			SC			ST		Gra	and To	otal
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	32	382	114	507	74	125	199	0	0	0	467	245	712

B) Rural Youth Including the sponsored training programmes (on campus)

				No). of I	Partici	pants				G	1.00	
Thematic Area	No. of		Other			SC			ST		Gra	and To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Mushroom Production													
Bee-keeping													
Integrated farming	1	10	0	10	0	0	0	0	0	0	10	0	10
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production	1	15	6	21	11	8	19	0	0	0	26	14	40
Vermi-culture													
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm	3	101	6	107	3	0	3	0	0	0	104	06	110
machinery and implements	5	101	0	107	5	0	5	0	0	0	104	00	110
Nursery Management of Horticulture	2	32	7	30	6	0	6	0	0	0	38	7	45
crops	2	52	,	55	0	0	0	U	U	U	50	,	43
Training and pruning of orchards	1	12	0	12	5	0	5	0	0	0	17	0	17
Value addition	1	0	24	24	0	16	16	0	0	0	0	40	40
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													

				No). of I	Partici	pants				C		4-1
Thematic Area	No. of		Other			SC			ST		Gra	and I (otai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Enterprise development	3	4	43	47	0	46	46	0	0	0	4	89	93
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing													
technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts	1	0	9	9	0	8	8	0	0	0	0	17	17
TOTAL	13	174	95	269	25	78	103	0	0	0	199	173	372

C) Extension Personnel Including the sponsored training programmes (on campus)

	No of			No). of I	Partici	pants				Cr	and T	atal
Thematic Area	INU. UI Courses		Other			SC			ST		G		παι
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field													
crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	2	47	10	57	7	2	9	0	0	0	54	12	66
Formation and Management of SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													
Care and maintenance of farm													
machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	2	0	60	60	0	0	0	0	0	0	0	60	60
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	4	47	70	117	7	2	9	0	0	0	54	72	126

D) Farmers and farm women Including the sponsored training programmes (off campus)

	No of			No	. of Pa	rticipa	ants				C	and To	stal
Thematic Area			Other			SC			ST		G	rand 10	Jai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	1	5	13	18	0	2	2	0	0	0	5	15	20
Resource Conservation	5	50	10	60	2	11	13	0	0	0	52	21	73
Technologies	5	50	10	00	2	11	15	0	0	0	52	21	75
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs	2	23	12	35	0	0	0	0	0	0	23	12	35
Others, (cultivation of crops)	7	152	15	167	14	1	15	0	0	0	166	16	182
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and													
high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green													
Houses, Shade Net etc.)													
Others, if any (Cultivation of	5	۲1	2	E /	22	0	22	0	0	0	74	12	96
Vegetable)	5	21	5	54	25	9	52	0	0	0	74	12	80
Training and pruning													
b) Fruits													
Layout and Management of													
Orchards													
Cultivation of Fruit	5	44	6	50	1	0	1	0	0	0	45	6	51
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of													
orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental													
plants													
Propagation techniques of	2	17	0	17	5	0	5	0	0	0	22	0	22
Ornamental Plants													
Others, if any	1	54	16	70	20	8	28	0	0	0	74	24	98
d) Plantation crops													
Production and Management				_]
technology													

				No	. of Pa	rticipa	ants				~		
Thematic Area	No. of		Other	110		SC			ST		Gr	and To	tal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management	1	15	0	15	2	0	2	0	0	0	17	0	17
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic													
Plants													
Nursery management													
Production and management	3	23	0	23	22	43	65	0	0	0	45	43	88
technology													
Post-harvest technology and value	1	1	5	6	0	0	0	0	0	0	1	5	6
addition													
Others, if any													
III. Soil Health and Fertility													
Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic													
inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and													
Management													
Dairy Management													
Poultry Management	4	2	23	25	22	88	110	0	0	0	24	111	135
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal													
products													
Others, if any Goat farming													
V. Home Science/Women													
empowerment													
Household food security by													
kitchen gardening and nutrition	14	5	142	147	61	172	238	0	0	0	66	314	385
gardening													
Design and development of													
low/minimum cost diet													
Designing and development for													
high nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Gender mainstreaming through													
SHGs													

				No	. of Pa	rticipa	ants				G	1.00	
Thematic Area	No. of Courses		Other			SC			ST		Gr	and To	tal
~	courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Storage loss minimization													
Enterprise development													
Value addition	4	3	44	47	11	24	35	0	0	0	14	68	82
Income generation activities for	4	5		47	11	24	55	0	0	0	10	16	26
empowerment of rural Women	1	10	16	26	0	0	0	0	0	0			
Location specific drudgery		50	(2)	115	0	0	0	0	0	0	53	62	115
reduction technologies	2	53	62	115	0	0	0	0	0	0			
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering									_	_			
Installation and maintenance of													
micro irrigation systems													
Use of Plastics in farming													
Production of small tools and													
implements													
Repair and maintenance of farm								_	-	_			
machinery and implements	15	388	138	530	15	47	62	0	0	0	403	185	592
Small scale processing and value													
addition													
Post-Harvest Technology	03	18	34	52	0	1	1	0	0	0	18	35	53
Others, if any													
VII. Plant Protection													
Integrated Pest Management	13	127	21	148	1	3	4	28	23	51	156	47	203
Integrated Disease Management	02	42	0	42	14	15	29	0	0	0	56	15	71
Bio-control of pests and diseases													
Production of bio control agents													
and bio pesticides	02								_	_			
Others, if any, Mushroom prod.	02	2	34	36	0	2	2	0	0	0	2	36	38
VIII. Fisheries													
Carp broading and batchary													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish													
disease													
Fish feed preparation & its													
application to fish pond, like													
nursery, rearing & stocking pond													
Hatchery management and culture													
of freshwater prawn													
Breeding and culture of													
Ornamental fishes													
Pen culture of fish and prawn													
Shrimp farming													
Edible ovster farming													
Pearl culture													
Fish processing and value									-	-			
addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													

				No	. of Pa	rticipa	ants				C		4-1
Thematic Area	No. of		Other			SC			ST		Gr	and To	tal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and													
wax sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and													
Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of													
SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	93	1085	594	1683	213	426	644	28	23	51	1326	1043	2378

E) RURAL YOUTH Including the sponsored training programmes (Off Campus)

	No. of			No	o. of P	articij	pants					Grand	Total
Thematic Area	NO. 01		Other			SC			ST			Granu	Total
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Mushroom Production	03	13	53	65	0	11	11	0	0	0	13	64	77
Bee-keeping													
Organic farming	2	37	14	51	2	2	4	0	0	0	39	16	55
Seed production													
Production of organic inputs	2	55	0	55	2	1	3	0	0	0	57	1	58
Integrated Farming	1	15	0	15	0	0	0	0	0	0	15	0	15
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	01	10	1	11	0	17	17	0	0	0	10	18	28
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													

	NL C			No	o. of P	artici	pants					Curral	T = 4 = 1
Thematic Area	No. of		Othe	r		SC	-		ST			Grand	Total
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production of quality animal													
products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing													
technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any	01	43	0	43	7	0	7	0	0	0	50	0	50
TOTAL	10	17 3	68	240	11	31	42	0	0	0	184	99	283

F) Extension Personnel Including the sponsored training programmes (Off Campus)

	No. of			No	o. of P	articij	pants				G	and T	otal
Thematic Area	Courses		Other	r		SC			ST		U		otai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field	5	64	2	66	3	0	3	0	0	0	67	2	69
crops	5	04	2	00	5	U	5	U	U	U	07	2	07
Integrated Pest Management	06	106	14	122	16	0	16	0	0	0	122	14	136
Integrated Nutrient management	1	32	8	40	06	0	06	0	0	0	38	08	46
Rejuvenation of old orchards	2	52	8	60	0	0	0	0	0	0	52	8	60
Protected cultivation technology	1	13	4	17	3	0	3	0	0	0	16	4	20
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	04	55	14	69	5	1	6	0	0	0	60	15	75
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security	2	0	45	45	0	3	3	0	0	0	0	48	48

	No. of			Grand Total										
Thematic Area	Courses		Other	SC				ST			U			
		Μ	F	Т	Μ	F	Т	М	F	Т	М	F	Т	
Women and Child care														
Low cost and nutrient efficient diet designing														
Production and use of organic inputs														
Gender mainstreaming through SHGs														
Crop intensification														
TOTAL	21	32 2	95	419	33	4	37	0	0	0	355	99	454	

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

	N. C			Grand Total									
Thematic Area	NO. OI		Other			SC			ST		Grand Total		
	Courses	Μ	F	Т	Μ	f Participants SC ST I F T M F T Q 2 2 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 11 18 0 0 0 14 4 0 0 0 10 0 0 0 0 13 60 0	Μ	F	Т				
I. Crop Production													
Weed Management	2	23	15	38	0	2	2	0	0	0	23	17	4 0
Resource Conservation Technologies	6	65	10	75	7	11	18	0	0	0	72	21	9 3
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1	0	10	10	0	4	4	0	0	0	0	14	1 4
Fodder production													
Production of organic inputs	3	37	12	49	1	0	1	0	0	0	38	12	5 0
Others, (cultivation of crops)	14	206	34	251	27	33	60	0	0	0	244	67	3 1 1
TOTAL	26	331	81	423	35	50	85	0	0	0	377	131	5 0 8
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													

	No. of Participants										Constant to the			
Thematic Area	No. of		Other			SC			ST		Gra	and Tot	tal	
	Courses	М	F	Т	М	F	Т	Μ	F	Т	М	F	Т	
Others, if any (Cultivation of Vegetable)	7	70	3	73	41	9	50	0	0	0	111	12	1 2 3	
TOTAL	7	70	3	73	41	9	50	0	0	0	111	12	1 2 3	
h) Fruits													5	
Training and Pruning														
Layout and Management of Orchards														
Cultivation of Fruit	6	52	6	58	3	0	3	0	0	0	55	6	6 1	
Management of young plants/orchards														
Rejuvenation of old orchards														
Export potential fruits														
Micro irrigation systems of orchards														
Plant propagation techniques														
Others, if any(INM)													_	
TOTAL	6	52	6	58	3	0	3	0	0	0	55	6	6 1	
c) Ornamental Plants														
Nursery Management														
Management of potted plants														
Export potential of ornamental plants														
Propagation techniques of Ornamental Plants	2	17	0	17	5	0	5	0	0	0	22	0	2 2	
Others, if any	1	54	16	70	20	8	28	0	0	0	74	24	9 8	
TOTAL	3	71	16	87	25	8	33	0	0	0	96	24	1 2 0	
d) Plantation crops													0	
Production and Management														
technology														
Processing and value addition														
Others, if any														
TOTAL														
e) Tuber crops														
Production and Management														
technology														
Processing and value addition														
Others, if any														
101AL														
I) Spices Production and Management													1	
technology	1	15	0	15	2	0	2	0	0	0	17	0	7	
Processing and value addition													,	
Others, if any														
TOTAL	1	15	0	15	2	0	2	0	0	0	17	0	1 7	
g) Medicinal and Aromatic Plants			1					1		1	1	1		
Nursery management														
Production and management	_	22	~	22	22	40	65	~	0	~	47	40	8	
technology	3	23	U	23	22	43	65	0	0	0	45	43	8	
Post harvest technology and value addition	1	1	5	6	0	0	0	0	0	0	1	5	6	
Others, if any														

		No. of Participants													
Thematic Area	No. of		Other			SC			ST		Gra	and Tot	al		
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т		
TOTAL	4	24	~	20	22	12	65	0	0	0	10	40	9		
	4	24	2	29	22	43	65	0	0	0	46	48	4		
III. Soil Health and Fertility															
Management															
Soil fertility management															
Soil and Water Conservation															
Integrated Nutrient Management															
Production and use of organic inputs															
Management of Problematic soils															
Micro nutrient deficiency in crops															
Nutrient Use Efficiency															
Soil and Water Testing															
Others if any															
TOTAL													<u> </u>		
IV. Livestock Production and															
Management															
Dairy Management															
Poultry Management													13		
i outri y ivianagement	4	2	23	25	22	88	110	0	0	0	24	111	5		
Piggery Management															
Rabbit Management															
Disease Management															
Feed management															
Production of quality animal products															
Others if any (Goat farming)															
TOTAL													13		
TOTAL	4	2	23	25	22	88	110	0	0	0	24	111	5		
V. Home Science/Women															
empowerment															
Household food security by kitchen	14	5	1.42	147	61	172	220	0	0	0	66	214	38		
gardening and nutrition gardening	14	5	142	147	01	172	238	0	0	0	00	514	5		
Design and development of															
low/minimum cost diet															
Designing and development for high															
nutrient efficiency diet															
Minimization of nutrient loss in															
processing															
Gender mainstreaming through SHGs															
Storage loss minimization techniques															
Enterprise development															
Value addition	9	3	114	117	13	68	81	0	0	0	16	188	20		
· · · · · · ·	,	5	114	117	15	00	01	Ū	0	U	10	100	4		
Income generation activities for	1	10	16	26	0	0	0	0	0	0	10	16	26		
empowerment of rural Women															
Location specific drudgery reduction	2	53	62	115	0	0	0	0	0	0	53	62	11		
technologies													3		
Rural Crafts															
Capacity building															
Women and child care															
Others, if any												<u> </u>			
TOTAL	26	71	334	405	74	240	319	0	0	0	145	580	0		
VI. Agril. Engineering													0		
Installation and maintenance of micro													\vdash		
irrigation systems															
Use of Plastics in farming practices									-				┢──┤		
Production of small tools and													\vdash		
implements															
implements			1				1				1	L			

													71
				N	o. of l	Particip	oants				0	1 77 /	1
Thematic Area	No. of		Other			SC			ST		Gra	ind 1 of	al
	Courses	Μ	F	Т	М	F	Т	М	F	Т	М	F	Т
Repair and maintenance of farm machinery and implements	18	448	143	595	30	52	82	0	0	0	478	195	6 7 7
Small scale processing and value addition	3	88	0	88	5	0	5	0	0	0	93	0	9 3
Post-Harvest Technology	3	18	34	52	0	1	1	0	0	0	18	35	5 3
Others, if any													
TOTAL	24	554	177	735	35	53	88	0	0	0	589	230	8 2 3
VII. Plant Protection													
Integrated Pest Management	13	127	21	148	1	3	4	28	23	51	156	47	2 0 3
Integrated Disease Management	2	42	0	42	14	15	29	0	0	0	56	15	7 1
Bio-control of pests and diseases Production of bio control agents and bio pesticides													
Others, if any	9	108	42	150	13	42	55	0	0	0	121	84	2 0 5
TOTAL	24	277	63	340	28	60	88	28	23	51	333	146	4 7 9
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management										_			
Carp fry and fingerling rearing													
Composite fish culture & fish disease Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Uthers, if any													
IUTAL													\mid
IX. Production of Inputs at site													
Dianting material production													$\left - \right $
Pio agenta production													
Dio-agents production													
Dio-pesticides production													
Vormi compost production													
Organic manures production													$\left - \right $
Production of fry and fingerlings													
rioduction of ity and inigerinings					1	1		L	L	L	1	1	L

			0	1	1								
Thematic Area	No. of		Other			SC			ST		Gra	ind Tot	al
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL													3
	125	146 7	708	219 0	28 7	551	843	28	23	51	179 3	128 8	0 9 0

ii. RURAL YOUTH (On and Off Campus)

	No. of				Grand Total								
Thematic Area			Other	•		SC			ST			Grand I	otai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Mushroom	2	10	52		0	11	11	0	0	0	10	64	77
Production	5	13	53	65	0	11	11	0	0	0	13	64	//
Bee-keeping													
Integrated farming	3	47	14	61	2	2	4	0	0	0	49	16	65
Seed production													
Production of organic	2	70	0	70	2	1	2	0	0	0	70	1	72
inputs	3	70	0	70	2	1	3	0	0	0	12	1	15
Planting material	1	15	6	01	11	0	10	0	0	0	26	14	40
production	1	15	0	21	11	8	19	0	0	0	20	14	40
Vermi-culture													
Sericulture													
Protected cultivation													
of vegetable crops													
Commercial fruit													
production													
Repair and													
maintenance of farm	4	111	7	110	2	17	20	0	0	0	114	24	120
machinery and	4	111	/	110	3	17	20	0	0	0	114	24	158
implements													
Nursery Management of Horticulture crops	2	32	7	39	6	0	6	0	0	0	38	7	45
													73
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					No. o	f Partic	ipants					о 1 т	. 1
Thematic Area	No. of		Other			SC	1		ST			Grand T	otal
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Training and pruning	1	10	0	10	5	0	5	0	0	0	17	0	17
of orchards	1	12	0	12	5	0	5	0	0	0	17	0	1/
Value addition	1	0	24	24	0	16	16	0	0	0	0	40	40
Production of quality													
animal products													
Dairying													
Sheep and goat													
rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension													
workers													
Composite fish													
culture													
Freshwater prawn													
culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and													
processing													
technology													
Fry and fingerling													
rearing													
Small scale													
processing													
Post-Harvest													
Technology													
Tailoring and													
Stitching													
Rural Crafts	1	0	9	9	0	8	8	0	0	0	0	17	17
Enterprise	3	4	43	47	0	46	46	0	0	0	4	89	93
development	5	<u> </u>	.5	.,		.0	.0				· ·		,,,
Others if any (ICT													
application in	1	43	0	43	7	0	7	0	0	0	50	0	50
agriculture)													15-
TOTAL	23	347	163	509	36	109	145	0	0	0	383	272	655

iii. Extension Personnel (On and Off Campus)

	No. of				No. of	f Partic	pants					Grand	Total
Thematic Area	NO. 01		Other	ſ		SC			ST			Granu	Total
	Courses	М	F	Т	М	F	Т	М	F	Т	Μ	F	Т
Productivity													
enhancement in field	5	64	2	66	3	0	3	0	0	0	67	2	69
crops													
Integrated Pest	6	106	1/	122	16	0	16	0	0	0	177	14	126
Management	0	100	14	122	10	0	10	0	0	0	122	14	150
Integrated Nutrient	1	30	Q	40	6	0	6	0	0	0	38	Q	16
management	1	32	0	40	0	0	0	0	0	0	30	0	40
Rejuvenation of old	2	50	0	60	0	0	0	0	0	0	50	0	60
orchards	2	52	0	00	0	0	0	0	0	0	52	0	00

X7.1		T						1			1		
Value addition		-											
Protected cultivation	3	60	14	74	10	2	12	0	0	0	70	16	86
technology	-				_			_	-	-		-	
Formation and													
Management of													
SHGs													
Group Dynamics and													
farmers organization													
Information													
networking among													
farmers													
Capacity building for													
ICT application													
Care and													
maintenance of farm	4			60	-		~	0	0	0	60	1.5	75
machinery and	4	55	14	69	5	1	6	0	0	0	60	15	/5
implements													
WTO and IPR issues													
Management in farm		1											
animals													
Livestock feed and													
fodder production													
Household food			105	10.5			2	0	0		0	100	100
security	4	0	105	105	0	3	3	0	0	0	0	108	108
Women and Child													
care													
Low cost and													
nutrient efficient diet													
designing													
Production and use													
of organic inputs													
Gender													
mainstreaming													
through SHGs													
Cron intensification		+											
Others if any		+											
	25	200	165	526	40	6	10	0	0	0	400	171	590
IUIAL	25	309	105	530	40	0	40	0	0	0	409	1/1	580

Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Clientele	Title of the training programme	Duratio n in days	Venue (Off / On Campus)	Number of SC/ST M F		er of ST	Nur par (oth	mber ticip 1ers)	of ants	Over all participant s
					Μ	F	Tota 1	Μ	F	Tota l	
Home Science	PF	Awareness about Nutri- Garden among rural women	One day	Off Campus	0	5	5	2	1 4	16	21
Home Science	PF	Awareness about Nutri- Garden among rural women	One day	Off Campus	2	1 7	19	0	0	0	19
Home Science	PF	Awareness about malnutrition and their mitigation	One day	Off Campus	0	6	6	0	1 4	14	20

											75
Home Science	PF	Herbal gulal making	One day	On Campus	0	5	5	2	1 6	18	23
Home Science	PF	Awareness about malnutrition and their mitigation	One day	Off Campus	1	2 7	28	0	0	0	28
Home Science	PF	Awareness about malnutrition and their mitigation and tomato sapling distribution	One day	Off Campus	0	0	0	2	2 1	23	23
Home Science	PF	Training on Iron rich diet	One day	Off Campus	0	1 3	13	0	1 3	13	16
Home Science	PF	Awareness about Nutri garden	One day	Off Campus	0	0	0	0	2 8	28	28
Home Science	PF	Value addition on tomato	One day	Off Campus	0	0	0	1 1	6	17	17
Home Science	PF	Awareness about Nutri garden	One day	Off Campus	0	0	0	0	2 3	23	23
Home Science	PF	Method of preparation of Banana Chips	One day	On Campus	0	2 5	25	0	0	0	25
Home Science	PF	Backyard poultry Production	One day	Off Campus	1 0	1 6	26	0	0	0	26
Home Science	PF	Backyard poultry Production	One day	Off Campus	2	2 3	25	0	0	0	25
Home Science	PF	Backyard poultry Production	One day	Off Campus	7	2 3	30	0	0	0	30
Home Science	PF	Backyard poultry Production	One day	Off Campus	3	2 6	29	0	0	0	29
Home Science	PF	Information about Drudgery reduction tools and equipment's	One day	On Campus	0	1 5	15	0	0	0	15
Home Science	PF	Nutritional and medicinal benefits of Moringa	One day	Off Campus	9	31	40	0	0	0	40
Home Science	PF	Value addition on Millets	One day	Off campus	0	9	13	0	0	0	22
Home Science	PF	Value addition on Millets	One day	Off campus	3	2 2	25	0	0	0	25
Home Science	PF	Information about	One day	Off Campus	1 3	1 9	32	0	0	0	32

											76
		benefits of Moringa and Moringa plants distribution (NNM)									
Home Science	PF	Nutritional and medicinal benefits of Moringa	One day	Off Campus	0	1 4	17	0	0	0	17
Home Science	PF	Information about benefits of Moringa and Moringa plants distribution (NNM)	One day	Off Campus	1 4	1 6	30	0	0	0	30
Home Science	PF	Information about benefits of Moringa and Moringa plants distribution	One day	Off Campus	1 4	2 7	41	0	0	0	41
Home Science	PF	Nutritional and medicinal benefits of Moringa and Moringa plants distribution	One day	Off Campus	1 7	27	44	0	0	0	44
Home Science	PF	Value addition on Millets	One day	Off Campus	0	0	0	0	1 5	15	15
Home Science	PF	Information about Drudgery reduction tools	One day	Off Campus	23	43	66	0	0	0	66
Home Science	PF	Benefits of Nutri garden and seeds distribution	One day	Off campus	0	0	0	0	1 5	15	15
Home Science	PF	Importance of Iron rich diet	One day	On campus	0	1 6	16	0	0	0	16
Home Science	EF	Awareness about Nutri Garden to the Anganwadi workers	One day	On campus	0	2 4	24	0	0	0	24
Home Science	EF	Awareness about Nutri Garden to the Anganwadi workers	One day	On campus	0	3 6	36	0	0	0	36

											77
Home Science	EF	Benefits of nutritional garden and vegetables seeds distribution	One day	Off campus	0	3	3	0	1 4	14	17
Home Science	EF	Awareness about Nutri Garden to the ASHA workers	One day	Off Campus	0	3	3	0	1 5	15	18
Home Science	RY	Manjusha painting	Seven days	On campus	0	1 2	12	0	1 9	19	31
Home Science	RY	Herbal Gulal making	Three days	On campus	0	1 6	16	0	2 4	24	40
Home Science	RY	Candle making	Three days	On campus	0	1 8	18	0	4	4	22
Home Science	Vocation al	Different types of Indian paintings	Five days	On campus	0	7	7	0	3 1	31	38
Home Science	Vocation al	Different types of Embroidery	Five days	On campus	0	9	9	0	8	8	17
Plant Protection	PF	Farm women training on mushroom cultivation	1	Off Campus	0	0	0	0	1 3	13	13
Plant Protection	PF	Management of DBM in cabbage	1	Off Campus	0	0	0	1 2	0	12	12
Plant Protection	PF	Potato crop disease management	1	Off Campus	8	0	8	4 2	0	42	50
Plant Protection	PF	Nematode management in vegetable (IPM)	1	Off Campus	2 8	2 3	51	0	0	0	51
Plant Protection	PF	IDM in Greengram	1	Off Campus	6	1 5	21	0	0	0	21
Plant Protection	PF	Mango hopper management	1	Off Campus	0	0	0	1 1	0	11	11
Plant Protection	PF	Mango orchard pest management	1	Off Campus	0	0	0	8	1	9	9
Plant Protection	PF	Training on pest and disease management in papaya	1	Off Campus	0	0	0	1 1	0	11	11
Plant Protection	PF	Training on sucking pest management in chilli	1	Off Campus	0	0	0	1 2	0	12	12
Plant Protection	PF	Seed treatment in paddy	1	On Campus	0	0	0	2 2	0	22	22
Plant Protection	PF	On campus training on Seed	1	On Campus	0	0	0	1 7	0	17	17

											78
		treatment for									
		kharif crops									
Plant	PF	Pest		Off Campus							
Protection		management	1		0	0	0		0	12	12
		maize						2			
Plant	PF	Fruit fly		Off Campus							
Protection		management									
		in guava and	1		0	0	0	1	0	11	11
		PRSV			-		-	1			
		in Panava									
Plant	PF	Management		Off Campus							
Protection		of fall army	1	1	0	0	0	1	2	12	12
		worm in	1		U	U	0	0	2	12	12
Dlant	DE	maize Management		Off Comput		-		-	-		
Protection	PF	of fall army		Off Campus				0	0		
roteenon		worm in	1		1	1	02	4	4	08	10
		maize									
Plant	PF	Training on		Off Campus							
Protection		management	1		0	0	0	1	0	12	12
		of insect pest						2			
Plant	PF	Seed		Off Campus				1			
Protection		treatment of	1	1	0	0	0		0	14	14
		rabi crops						4			
Plant	PF	Pest and		Off Campus							
Protection		disease	1		0	0	0	2	0	21	21
		in vegetables						1			
Plant	PF	Training on		On Campus							
Protection		cultivation						1			
		practice of	1		2	0	2	9	3	22	24
		wheat and linseed									
Plant	PF	training of		On Campus							
Protection		seed		1							
		treatment of	1		0	0	0	1	0	16	16
		wheat and			-		-	6		-	-
		management									
Plant	PF	Training on		Off Campus				0	2		
Protection		mushroom	1		0	2	02	$\begin{vmatrix} 0 \\ 2 \end{vmatrix}$	2	23	25
DI	DE	cultivation						2	1		
Plant Protection	PF	Training on		Off Campus		0		0	1		
FIOLECTION		management	1		0	2	02	3	4	17	19
		in mustard				-		5			
Plant		Pest						1			
Protection	EF	management	1	Off Campus	3	0	3	4	2	16	19
Plant		In rabi crops						1	0		
Protection	EF	crops	1	Off Campus	3	0	03	3	$\begin{vmatrix} 0\\2 \end{vmatrix}$	15	18
Dlant		IPM in						1			
Protection	EF	Summer	1	Off Campus	0	0	0	$\begin{vmatrix} 1\\ 2 \end{vmatrix}$	0	12	12
1100000000		green gram									
Dlant		In service			0			1	0		
Protection	EF	pest and	1	Off Campus	2	0	02	7	$\frac{1}{2}$	21	21
		disease									

											79
		management in kharif crops									
Plant Protection	EF	Extension functionaries training on Pest management in paddy	1	Off Campus	0 2	0	02	1 8	0	18	20
Plant Protection	EF	Pest and disease management in rabi crops	1	Off Campus	0 6	0	06	3 2	0 8	40	46
Plant Protection	RY	Training on mushroom cultivation	3	Off Campus	0	4	4	0	2 6	26	30
Plant Protection	RY	Mushroom cultivation training	3	Off Campus	0	0 3	03	2	0 8	09	13
Plant Protection	RY	Safe and Judicious use of Glyphosate	3	Off Campus	0 7	0	07	4 3	0	43	50
Plant Protection	RY	Mushroom production techniques	3	Off Campus	0	0 4	04	1 1	1 9	30	34
Agricultural Engineering	PF	Post-Harvest technology	1	Off	0	0	0	1 8	0	18	18
Agricultural Engineering	PF	Farm machinery and its application	1	Off	0	2	2	1 8	0	18	20
Agricultural Engineering	PF	Zero tillage cultivation of green gram	1	On	3	0	3	3 4	0	34	37
Agricultural Engineering	PF	Zero tillage and laser land leveling awareness	1	Off	5	1 0	15	4 3	3	46	61
Agricultural Engineering	PF	Laser land levelling and zero tillage of green gram	1	Off	4	0	4	4 2	0	46	50
Agricultural Engineering	PF	Laser land levelling and its application	1	Off	0	0	0	1 5	0	15	15
Agricultural Engineering	PF	Laser land levelling its application and benefit	1	Off	0	0	0	1 5	0	15	15
Agricultural Engineering	PF	DSR through zero tillage machine	1	Off	0	0	0	2 2	0	22	22
Agricultural Engineering	PF	DSR through zero tillage machine	1	Off	2	1	3	1 4	1 7	31	34
Agricultural Engineering	PF	Resource conservation technologies	1	On	0	0	0	9	0	9	9

											80
Agricultural Engineering	PF	DSR through zero tillage machine	1	Off	2	2 5	27	0	9 7	97	124
Agricultural Engineering	PF	DSR through zero tillage machine	1	Off	0	9	9	2 4	1 7	41	50
Agricultural Engineering	PF	DSR through zero tillage machine	1	Off	0	0	0	3 0	4	34	34
Agricultural Engineering	PF	Happy seeder machine calibration and application	1	Off	0	0	0	9	0	9	9
Agricultural Engineering	PF	Farm Machinery & Maintenance	1	Off	0	0	0	3 0	0	30	30
Agricultural Engineering	PF	Farm Machinery & Maintenance	1	On	1 2	5	17	5	5	10	27
Agricultural Engineering	PF	Post- harvest technology	1	Off	0	0	0	0	1 7	17	17
Agricultural Engineering	PF	Post-Harvest Technology	1	Off	0	1	1	0	1 7	17	18
Agricultural Engineering	PF	Importance of farm machinery in agriculture	1	Off	1	0	1	5 4	0	54	55
Agricultural Engineering	PF	Importance of farm machinery in agriculture	1	Off	1	0	1	5 5	0	55	56
Agricultural Engineering	PF	Renewable energy sources and ways to conserve energy in Agriculture	1	On	3	0	3	4	0	41	44
Agricultural Engineering	PF	15 days INM Training of Vth Batch started at KVK	1	On	2	0	2	3 8	0	38	40
Agricultural Engineering	PF	Zero tillage of Wheat	1	On	0	0	0	2 1	0	21	21
Agricultural Engineering	PF	Importance of Zero tillage in wheat	1	Off	0	0	0	1 7	0	17	17
Agricultural Engineering	RY	integrated Nutrient Management	15	On	0	0	0	3 6	4	40	40
Agricultural Engineering	RY	Repair and maintennace of Farm Machinery	1	Off	0	1 7	17	1 0	1	11	28
Agricultural Engineering	RY	Repair and maintennace	4	On	3	0	3	2 7	0	27	30

							T				01
		of Farm									
		Machinery									
Agricultural		Integrated						3			
Engineering	RY	Nutrient	15	On	0	0	0	8	2	40	40
0 0		Management					-	_			
		Climate									
A 1 1 1		Resilient						1			
Agricultural	EF	l echnologies	1	Off	1	1	2		1	19	21
Engineering		and Laser						0			
		lavelling									
		Repair and									
Agricultural		maintennace						1			
Engineering	EF	of Farm	1	Off	1	0	1	6	0	16	17
2		Machinery						Ũ			
		Repair and					1				
Agricultural	FF	maintennace	1	0.55	2				1	0	15
Engineering	EF	of Farm	1	Off	2	0	2	2	3	0	15
		Machinery									
		Repair and									
Agricultural	FF	maintennace	1	Off	1	0	1	1	0	19	20
Engineering	LT	of Farm	1	OII	1	0	1	9	0	19	20
		Machinery									
Horticulture	PF	Off season	1	Off				1			
		vegetables		Campus	2	0	2	0	3	13	15
XX 1.	DE	cultivation					-	_			
Horticulture	PF	Harvesting	1	Off Campus							
		and									
		postnarvest			0	0	0	1	5	6	6
		of			0	0	0	1	5	0	0
		horticultural									
		crops									
Horticulture	PF	Management	1	Off Campus							
		practices of		-				1			
		mango and			0	0	0	1	0	14	14
		litchi						4			
		orchards									
Horticulture	PF	Mango	1	On Campus							
		orchard			2	0	2	8	0	8	10
		management									
Horticulture	PF	Orchard	1	Off Campus							
		management									
		of litchi,			0	0	0	8	1	9	9
		Danana,									
		citi us allu									
Horticulture	PF	Cultivation	1	Off Campus							
Horticulture		practices and	1	on campus							
		propagation			-			-			11
		techniques of			5	0	5	6	0	6	11
		ornamental				1					
		plants.			L	L			L		
Horticulture	PF	Importance	1	Off Campus							
		and				1					
		cultivation				1		1			
		technology			0	0	0	1	0	11	11
		of medicinal				1		1			
		and aromatic				1					
		plants		1	1	1			1	1	

Horticulture	PF	Scientific	1	Off Campus							
		cultivation of			0	0	0	2	0	21	21
		kharif						1			
Horticulture	PF	Scientific	1	Off Campus							
Horticulture	11	cultivation of	1	On Campus				_		_	
		kharif			0	0	0	7	0	7	7
		vegetables									
Horticulture	PF	Mango	1	Off Campus							
		propagation			1	0	1	6	0	6	7
		by grafting			-	Ŭ	1	Ŭ	Ŭ	0	,
TT (* 1)	DE	methods	1	000							
Horticulture	PF	Nursery	1	Off Campus							
		and									
		propagation			0	0	0	1	0	11	11
		of			Ŭ	Ŭ	Ũ	1	Ŭ		
		ornamental									
		plants									
Horticulture	PF	Litchi	1	Off Campus							
		propagation			0	0	0	7	5	12	12
		by Air			Ũ	Ű	Ũ		č		
The set of the set	DE	layering	1	0000							
Horticulture	PF	Fruit	1	Off Campus							
		and orchard									
		management			0	0	0	9	0	9	9
		of Mango,			Ũ	Ũ	Ũ	-	Ŭ	-	-
		Guava and									
		Litchi.									
Horticulture	PF	One day Off-	1	Off Campus							
		campus									
		training on									
		Scientific									
		and						1			
		management			5	0	5	2	0	12	17
		practices of						-			
		Medicinal									
		and									
		Aromatic									
		plants									
Horticulture	PF	Scientific	1	Off Campus							
		cultivation						1			
		management			2	0	2	5	0	15	17
		practices of						5			
		spices crops.									
Horticulture	PF	Nursery	1	Off Campus							
		raising and									
		management			0	0	0	7	0	7	7
		of vegetable									
Head's 1:	DE	crops	1	Off Ca				_			
Horticulture	PF	Une day	1	Off Campus							
		uaining on			1	1					
		cultivation			7	3	60	0	0	0	60
		practices of			Ĺ						
		moringa									
Horticulture	PF	Scientific	1	On Campus	1	0	12	1	0	10	22
		cultivation			3	0	15	9	0	19	32

											83
		practices of radish									
Horticulture	PF	Cultivation and management practices of rabi vegetables	1	Off Campus	2 1	9	30	6	0	6	36
Horticulture	PF	Scientific cultivation practices of potato	1	On Campus	5	0	5	0	0	0	5
Horticulture	EF	Scientific management practices to prevent fruit drops in mango and litchi	1	Block Agricultural Office, Bhagwanpu r Hat	0	0	0	1 4	0	14	14
Horticulture	EF	Scientific cultivation practices of summer vegetables	1	Block Agricultural Office, Bhagwanpu r Hat	3	0	3	1 3	4	17	20
Horticulture	EF	Recent advances and technology in cultivation of horticultural crops during Rabi Mahaabhiya n 2023	1	DAO, Siwan	0	0	0	38	8	46	46
Horticulture	EF	Organic farming in horticultural crops	1	On Campus	0	0	0	1 0	4	14	14
Horticulture	EF	Recent advances and technology in cultivation of horticultural crops	1	On Campus	7	2	9	3 7	6	43	52
Horticulture	RY	Gardener Training	15	On Campus, KVK Siwan	1 1	8	19	1 5	6	21	40
Horticulture	RY	Scientific cultivation practices of summer vegetables	1	On Campus, KVK Siwan	4	0	4	2 3	2	25	29
Horticulture	RY	Mango orchard management	1	On Campus, KVK Siwan	5	0	5	1 2	0	12	17
Horticulture	RY	Scientific cultivation practices of summer vegetables	1	On Campus, KVK Siwan	2	0	2	9	5	9	16

											84
Horticulture	Kisan Gosthi	Awareness programme on Natural Farming	1	Narendrapur Village	1 1	6	17	3 4	8	42	59
Horticulture	Kisan Gosthi	Awareness programme on International Year of Millet sponsored by NABARB. Lecture on importance and cultivation practices of millet.	1	Saidpura village	2 0	8	28	54	1 6	70	98
Horticulture	Kisan Gosthi	Moringa: The miracle plant	1	On Campus, KVK Siwan	4	1 7	21	1 0	1 2	22	43
Horticulture	Kisan Gosthi	Importance of balance diet, nutritional benefits and cultivation practices of moringa and distribution of moringa saplings.	1	Village Mirjumla	1 1	3	14	5 0	23	73	87
Horticulture	Kisan Gosthi	Scientific cultivation practices of moringa	1	Mahamatpu r village	7	0	7	3 1	8	39	46
Horticulture	Kisan Gosthi	Scientific cultivation practices of moringa	1	Mirjumla village	8	3	11	4 7	1 2	59	70
Horticulture	Field day	Cultivation of HYV in vegetables crops	1	Bharkhagao n village	2	0	2	6	0	6	8
Horticulture	Field day	Cultivation of HYV in vegetables crops	1	Chawrali village	0	0	0	3	0	3	3
Horticulture	Field day	Scientific cultivation and management practices of flower crops	1	Tariya Tola	0	0	0	4	0	4	4
Crop Production	PF	Scientific Production technique of Field Pea	1	On campus	2	0	2	1	0	11	13
Crop Production	PF	Nutrient Management in Wheat	1	Off Campus	1	0	1	7	0	7	08

											85
Crop Production	PF	Nutrient Management in Maize	1	Off Campus	0	3	3	1	1 0	12	15
Crop Production	PF	Micronutrien t uses in Mango	1	Off Campus	0	0	0	1 5	0	15	15
Crop Production	PF	Nutrient Management in Green gram	1	Off Campus	0	8	8	6	0	6	14
Crop Production	PF	Nutrient Management in sesame	1	Off Campus	0	0	0	6	0	6	06
Crop Production	PF	Nutrient Management in Green gram	1	On Campus	5	0	5	1 5	0	15	20
Crop Production	PF	Insitu Green Manuring of Dhaincha	1	On Campus	1	0	1	1 4	0	14	15
Crop Production	PF	Nursery Management in Paddy	1	On Campus	0	4	4	0	1 0	10	14
Crop Production	PF	Natural Farming	1	Off Campus	0	0	0	8	8	16	16
Crop Production	PF	Scientific Cultivation of Paddy	1	On campus	7	1 6	23	0	0	0	23
Crop Production	PF	Scientific Cultivation of Paddy	1	On campus	1	0	1	1 1	0	11	12
Crop Production	PF	Scientific Cultivation of Pigeon Pea	1	On campus	0	5	5	8	0	8	13
Crop Production	PF	Weed Management in Paddy	1	Off Campus	0	2	2	5	1 3	18	20
Crop Production	PF	Nano-urea application in Paddy	1	Off Campus	1	0	1	1 4	0	14	15
Crop Production	PF	Minor millets production techniques	1	Off Campus	0	0	0	1 3	2	15	15
Crop Production	PF	Vermicompo st production techniques	1	Off Campus	0	0	0	1 5	4	19	19
Crop Production	PF	Training cum inputs distribution on Lentil Production	1	Off Campus	0	0	0	1 3	0	13	13
Crop Production	PF	Training cum inputs distribution on Mustard Production	1	Off Campus	4	0	4	5 4	2	56	60
Crop Production	PF	Training cum inputs distribution	1	Off Campus	2	1	3	2 4	0	24	27

											86
		on Mustard Production									
Crop Production	PF	Training cum inputs distribution on Mustard Production	1	Off Campus	0	0	0	9	1	20	20
Crop Production	PF	Training cum inputs distribution on Mustard Production	1	Off Campus	2	0	2	1 4	0	14	16
Crop Production	PF	Training cum inputs distribution on Lentil Production	1	Off Campus	6	0	6	2 5	0	25	31
Crop Production	PF	Training cum inputs distribution on Lentil Production	1	On Campus	0	0	0	2 4	9	33	33
Crop Production	PF	Scientific Cultivation of Paddy	1	On Campus	0	8	8	0	7	7	15
Crop Production	PF	Scientific Cultivation of Wheat	1	On Campus	3	3	6	1 1	3	14	20
Crop Production	PF	Weed Management in Wheat	1	On Campus	0	0	0	1 8	2	20	20
Crop Production	EF	Leaf colour chart use in maize	1	Off Campus	1	0	1	9	0	9	10
Crop Production	EF	Salt affected soils management	1	Off Campus	0	0	0	1 0	0	10	10
Crop Production	EF	Integrated nutrient Management in Wheat	1	Off Campus	0	0	0	1 0	0	10	10
Crop Production	EF	Herbicides, pesticides and insecticides spray related precautions and its uses	1	Off Campus	1	0	1	1 9	0	19	20
Crop Production	EF	Salt affected soils management	1	Off Campus	1	0	1	1 6	2	18	19
Crop Production	EF	Nutrient management in Paddy	1	Off Campus	6	0	6	3 2	8	40	46
Crop Production	RY	Vermicompo st production technology and its uses	1	Off Campus	0	0	0	2 8	0	28	28
Crop Production	RY	Natural farming	2	On Campus	2	2	4	2 2	1 4	36	40

Crop	RY	Natural	5	Off Campus	0	0	0	1	0	15	15
Production		farming						5			
Crop	RY	Millets	5	Off Campus	0	0	0	1	0	15	15
Production		cultivation						5			
Crop	RY	Scientific	2	On Campus	0	0	0	1	0	10	10
Production		cultivation of						0			
		summer									
		pulse									
Crop	RY	Crop residue	3	Off Campus	2	0	2	1	0	18	20
Production		management						8			
Crop	RY	Composting	2	Off Campus	2	1	3	2	0	27	30
Production		techniques						7			

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Cron /	Identifi	Troi		No. of	Participants	5	Self-emp	loyed after t	raining	Number of persons
Enterpris e	ed Thrust Area	ning title*	Duration (days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	employed else where
Manjusha Painting	Rural craft	Man jush a paini ng	5 days	0	31	31	Selling from home	0	2	0

*Training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

					Cli ent					Ne	o. of P	articipa	nts				Spons
Sl	Title	Thema	Mo	Duratio	PF	No. of	N	Aale		F	emale			To	otal		oring
	The	tic area	nth	n (days)	/R Y/ EF	courses	Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	Agenc y
1	Ne mat ode awa rene ss day	IPM	Fe b	01	PF	01	0	0	27	0	0	24	0	0	51	51	TSP
2	PM KS Y	Crop Produc tion	Fe b	01	PF	01	08	03	0	05	19	0	13	22	0	35	ICAR
3	Mill et year	Crop Produc tion	Fe b	01	PF	01	34	06	0	12	0	0	46	06	0	52	NAB ARD
4	PM KS Y	IPM	Jul y	01	PF	01	20	04	0	21	60	0	41	64	0	105	ICAR
5	Far m equi pme nt	Agril. Engg.	Au g.	01	PF	01	14	03	0	10	0	0	24	03	0	27	Govt. of Bihar
6	FPO For	Home Scienc e	Se pt	01	PF	01	09	02	0	3	0	0	12	2	0	14	FPO

																	00
	mati																
	ON DM																
7	inter acti on with farm er	Crop Produc tion	Oct obe r	01	PF	01	10	0	0	1	17	0	11	17	0	28	ICAR
8	PM KS Y	Crop Produc tion	No v	01	PF	01	32	06	0	8	0	0	40	06	0	46	ICAR
9	Far mer Scie ntist Inter acti on	Crop Produc tion/ IPM	De c	01	PF	01	11	07	0	18	03	0	29	10	0	39	ATM A
1 0	FPO For mati on	Agril. Engg.	De c	01	PF	01	13	0	0	08	0	0	21	0	0	21	FPO

	NT C						No. 0	of Partic	ripants				
	NO. OI Courses		Gen	eral		S	С		ST		•	Grar	d Total
Area of training	courses	Μ	F	Total	Μ	F	Total	Μ	F	Total	Μ	F	Total
Crop production and management													
Increasing production and productivity of	05		4		2	3		0	0	0	1		
crops		9	4	120	2	9	(1				1	8	200
Commercial production of vegetables	02	2	2	139	0	6	61	27	24	51	/	3	200
commercial production of vegetables	02	0	1		4	0		27	24	51	5	0	
				41			64				1	5	156
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total	07	1	6	180	2	9	125	27	24	51	1	1	356
		05	5		6	9					6 8	8 8	
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements	02	2	1		3	0		0	0	0	3	1	
Other		7	8	45			3				0	8	48
Total	02	2	1		3	0		0	0	0	3	1	
		7	8	45	5	Ŭ	3	Ű	Ŭ	Ű	0	8	48
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													

	[1		1	1						1	r
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													
Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics	01	9	3		2	0		0	0	0	1		
				12			0				1	3	14
Other													
Total	01	9	3		2	0		0	0	0	1		
				12			0				1	3	14
		1			-			27	24	51	2	1	
		5	8		3	9					6	5	
Grant Total	10	1	5	236	2	9	131				3	5	418

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2023

Total no							No	o. of p	partic	ipan	ts		Fund
of	Name of	Title of the	Duration	S	С	S	Т	Ot	her			Total	utilized
training	OP/Iob role	training	(in hrs.)										for the
organise	Q1/300 1010	uannig	(111113.)	Μ	F	Μ	F	Μ	F	Μ	F	Т	training
d													(Rs.)
01	Backyard	Backyard	28 days	0	0	0	0	2	0	2	0	25	
	Poultry	Poultry		1				4		5			
	Farming	Farming											

K. Information on Skill Development Training Programme (other agency if any) if undertaken

Total							No	o. of p	partic	ipan	ts		Fund
no of	Name of OP/Iob	Title of the	Duration	S	С	S	Т	Ot	ner			Total	utilized
training	role	training	(in hrs.)										for the
organis	TOIC	uannig	(111115.)	Μ	F	Μ	F	Μ	F	Μ	F	Т	training
ed													(Rs.)

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

			F	armers	5]	Exten	sion O	fficial	s			Total		
Nature of Extension Activity	No. of activitie s	М	F	Total	SC (no.)	ST (no.)	М	F	Tota l	SC (no.)	ST (no.)	М	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela participated	03	3936	206 5	6001	187 5	0	249	64	313	87	0	4185	212 9	6314	196 2	0
Field Day	15	173	50	223	52	2	27	9	36	11	0	210	59	269	63	2
Kisan Ghosthi	21	562	436	998	187	0	178	83	261	41	0	740	519	1259	228	0
Exhibition organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Participation in exhibition	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Film Show	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Method Demonstratio ns	13	173	54	227	83	0	18	5	23	0	0	191	59	250	83	0
Farmers Seminar	04	94	31	125	24	0	13	4	17	0	0	107	35	142	24	0
Workshop	03	133	65	198	17	0	0	0	0	0	0	133	65	198	17	0
Group discussion	03	43	03	46	07	0	0	0	0	0	0	43	03	46	7	0
Lectures delivered as resource persons	47	1247	439	1686	427	0	67	29	96	23	0	1314	468	1782	450	0
Advisory Services	74	7294	284 6	1014 0	738	0	439	12 7	566	94	0	7733	297 3	1070 6	832	0
Scientific visit to farmers field	116	467	80	547	53	0	178	49	227	26	0	645	129	774	79	0
Farmers visit to KVK	1113	833	280	1113	150	0	0	0	0	0	0	833	280	1113	150	0
Diagnostic visits	61	345	86	431	151	0	231	0	0	0	0	576	86	662	151	0
Exposure visits	05	326	134	460	127	0	24	06	30	04	0	350	140	490	131	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	01	38	9	47	03	0	0	0	0	0	0	38	9	47	03	0
Animal Health Camp	01	26	03	29	02	0	0	0	0	0	0	26	03	29	02	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	01	42	19	61	0	0	0	0	0	0	0	42	19	61	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	09	212	511	723	63	0	0	0	0	0	0	212	511	723	63	0
Mahila Mandals Conveners meetings	02	4	87	91	23	0	0	0	0	0	0	4	87	91	23	0
Special day celebration																
Sankalp Se Siddhi																
Swatchta Hi Sewa	26	435	241	676	71	0	0	0	0	0	0	435	241	676	71	0
Celebration of important date	12	312	103	415	68	0	0	0	0	0	0	312	103	415	68	0
Others	1530	1669 5	754 2	2423 7	412 1	2	142 4	37 6	1569	286	0	1812 9	791 8	2604 7	440 7	2

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	171
Radio talks	02
TV talks	0
Popular articles published	04
Extension Literature	20
Electronic media	31
Any other	-

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Awareness	03	118	Millet production technology

D. Celebration of important days in KVKs

	No. of		Farmers		Extens	ion O	fficials		Tota	1
Celebration of Important Days	activities	Μ	F	Total	Μ	F	Total	М	F	Total
Republic day (26 th Jan.)	01	31	16	47				31	16	47
International Women's Day (8th Mar.)	01	31	11	42				31	11	42
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)	01	17	03	20				17	03	20
Independence Day (15th Aug.)	01	36	06	42				36	06	42
Parthenium Awareness Week	01	26	06	32				26	06	32
Hindi Diwas (14th Sep.)	01	6	24	30				6	24	30
Gandhi Jayanti (2nd Oct.)	0	0	0	0				0	0	0
Mahila Kisan Diwas (15th Oct.)	01	6	2	8				6	2	8
World Food Day (16th Oct.)	0	0	0	0				0	0	0
Vigilance Awareness Week	0	0	0	0				0	0	0
National Unity Day (31st Oct.)	0	0	0	0				0	0	0
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)	01	11	02	13				11	02	13
World Soil Day (5th Dec.)	01	30	13	43				30	13	43
Kisan Diwas (23 rd Dec.)	01	108	0	108				108	0	108
Any other day										

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

S1	Data of avant	Name of Event/Programme	Interaction of	Participants						
51.	Date of event	Name of Event/Flogramme	Hon'ble PM/AM	Farmers	Staffs	VIP/Others	Total			
1	27/07/2023	PMKSY	Interaction of	105	11	02	127			
			Hon'ble PM							
2	13/10/2023	Mann Ki Baat	Interaction of	28	11	0	39			
			Hon'ble PM							
3	15/11/2023	PMKSY	Interaction of	46	11	0	57			
			Hon'ble PM							

3.5 a. Production and supply of Technological products

Сгор	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed	Number of farmers to whom seed provided				
				production	SC	ST	Other	Total	
Total									

A. Seed production at seed village

B. Seed production at KVK farm

Type of seed	Variety	Quantity of seed	Value (Ps)	Number of farmers to whom seed provided					
produced	·	(q)	(KS)	SC	ST	Other	Total		
Cereals									
Wheat	HD-2967 (CS)	78.50							
Paddy	R. Sweta(FS)	103.4							
Oil seed									
Mustard	R. Suflam	1.60							
Pulses									
Green gram	Virat	3.97							
Pigeon pea	R. Arhar-01	7.5							
Green Manure									
Commercial crop									
Sugarcane	Co-0238	188.90							
Vegetables									
Potato	K. Sindhuri	164							
Fodder									
Spices									
Fruits									
Forest crop									
Ornamental/flower									
Medicinal									
Grand Total		547.87							

C. Production of planting materials by the KVKs

Сгор	Variety	No. of planting materials	Value (Rs)	to w	Number of farmers to whom planting material provided			
				SC	ST	Other	Total	
Vegetable seedlings								
Cauliflower	HYV	100						
Cabbage	HYV	4800						
Broccoli	HYV	315						
Tomato	Kashi Aman	10310						
Brinjal	Kashi Sandesh	10630						
Chilli	HYV	9200						
Cucumber	HYV	67						

				Ì	
Bottle gourd	HYV	134			
Moringa	PKM-1	3791			
Sugarcane	Co-0238	2000			
Commercial seedlings	5				
Mulberry					
Sugarcane,					
Sweet Potato					
Turmeric					
Zinger					
Others					
Fruits seedlings					
Mango	Amrapali	285			
Guava	Allahabad Safeda	247			
Litchi	Shahi	61			
Papaya	Ranchi Local	3336			
Banana					
Ornamental plants					
Marigold	Pusa Narangi	41640			
Annual					
chrysanthemum					
Tuberose					
Others					
Medicinal and					
Aromatic					
Plantation					
Tuber Elephant yams					
Spices					
Grand Total		86916			

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provid					
				SC	ST	Other	Total		

E. Fodder crops saplings

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provide					
				SC	ST	Other	Total		

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitt(efitted	
			SC	ST	Other	Total
Bio-fertilizers						
Bio-food (Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	(Rs.) No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							

Grand Total				

H. SOIL & WATER TESTING

a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1.	MSTL Van	01
2.	MridaParishak	01
3.	Single distillation unit	01
4.	Weighing machine	01

b. Details of samples analyzed so far

Total number of soil samples analyzed till now					
Through mini soil testing kit/labs	Total				
-	379	379			

c. Detail of Soil, Water and Plant analysis at KVK (2023)

S1.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	379	14	340	18950.00
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

S1	No. of	Soil Health	No. of farmers	No. of VIPs	Name (s) of	Total No. of
	Activity	Cards	benefitted	Number of	VIP(s) involved if	Participants
Ν	conducted	distributed			any	attended the
0.						program
0	01	55	55	04	Shri. Avdesh Kr.	59
1					Pandey	

I. Activities under Rain Water Harvesting structure and micro irrigation system

S.No	No of training No. of demonstrations		No. of plant material produced	Visit by the farmers (No.)	Visit by the officials (No.)	

3.5. b. Seed Hub Programme - "Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"

1. Name of Seed Hub Centre:

Name of Nodal Officer:	
Address :	
e-mail :	

Phone No. :	
Mobile :	

2. Quality Seed Production of Pulses

			Production (q)				
Season	Crop	Variety	Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)	
Kharif 2023							
D.1: 2022							
Rabi 2023							
Summer/Sprin g 2023							

3. Financial Progress

Fund received	Exper	nditure (Rs.)	Unspent balance		
(2016-17, 2017-18, 2019, 2020 and 2021)	Infrastructure	Revolving fund	(Rs.)	Remarks	
2016-17		₹ 557,014.00	₹ 950,610.00		
2017-18		₹ 506,081.00	₹ 1,152,185.00		
2018-19		₹ 914,123.78	₹ 1,791,931.22		
2019-20		₹ 1,038,747.14	₹ 1,476,352.08		
2020-21		₹ 1,650,457.50	₹ 1,218,228.58		
2021-22		₹ 1,984,113.24	₹ 2,044,555.34		
2022-23		₹ 2,876,950.50	₹ 2,416,181.34		
2023-24 (As on 07-02-2024)		₹ 2,961,809.00	₹ 2,849,426.34		

4. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	
Animal sector	
Mushroom / other enterprises	
Others	

3.6 PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS & RECOGNITION

A. Details of Research papers published by KVK (with full title, author & journal)

S.No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper	Nandeesa, C. V., Prashanth, D.V., Harsha, B. R.,	5.23
		Rahul Bellagi., Kumar, P., Kumari, A. R., Kumar,	
		P., Chhetri, K. B., Dakho, J., Kumar, S., Kundu, M.	
		S., Prasad, J. and Kumari, A. (2023). Enterprise	
		diversification in NICRA typologies of Siwan	
		district, Bihar for enhancing farm productivity. The	
		Pharma Innovation.: 12(6):2653-2655.	
		Singh, S., Rai, A., Rai, A. K., Srivastav, R., Kumari,	5.23
		A. R., and Singh, N. (2023). Impact of Front Line	
		Demonstration on Kharif Onion Production. The	
		Pharma Innovation.: 12(8):757-759.	
		Jha R K., Sattar A., Singh A K., Kundu M S., Tiwari	11.01
		R K., Singh A K., Singh A K., Das S., Pal R.,	
		Kushwah S,. Kumari A.R., Meena M., Singh P.,	
		Gupta S K., Shekhar D., Rai S K., Kumar Gangwar	
		S., Rai R K., Prasad R I., Singh A P., Singh R P.,	
		Singh P K., Srivastawa P K., Jha B K., Senapati R.,	
		Das S., Suman S K., Singh G., Rajak S K., Kumari	
		N., Rai A., Kumar S., Kashyap V., Kumari S.,	
		Chhetri K B., Kumar T., Prasad S., Gangwar A.,	
		Nalia A., Patra A., Singh R., Ramulu C., Praharaj S.,	
		Regar K L., Patel S S., Kumari V., Chauhan L.,	
		Harsh B R., Kapil S T., Soren J., Choudhury S.,	
		Tamta S., Kumar N and Tiwari D K (2023).	
		Managing climatic risks in rice wheat cropping	
		system for enhanced productivity in middle Gangetic	
		plains of India. Frontiers in Sustainable Food	
		Systems. 7:1259528. doi:	
		10.3389/fsufs.2023.1259528. Pages-01:17.	

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Seminar/conference/ symposia papers		(If any)	(If any)
Books	Satya Prakash., Chandra, R. and Kumari, A. R . 2023. Advances in Precision Farming & Protected Cultivation. Page 1-283. (English). Published by- Elphinstone Publication &		

	Distributors New Delhi -	
	110062.	
Book Chapter	Kumari, A R Barun	
book chapter	Mandal S K and Mandal	
	\mathbf{P} K 2023 Extent of	
	R. R. 2023. Extent of	
	participation of farm	
	women in decision	
	making regarding	
	agricultural activities.	
	Page 149-158. (in English).	
	Book - Sustainable	
	Agriculture and Food	
	Security	
	Women Farmer:	
	Unheard Being Heared.	
	Vol-1 Springer	
	Editor- Sugandha Munshi	
	and Madhulika Singh	
	Under exclusive license to	
	springer nature Singapore	
	nte ltd 2023	
	Chhetri K B Kumari A	
	D Malik G K Kumar D	
	K. , Mairk, O.K., Kuillai, I., Chaubay, C. and Dakho, I.	
	(2022) A dyapped in Eard	
	(2025). Advances in Food	
	Mixing and	
	Homogenization	
	Techniques (in English)	
	Page 158	
	Book Frontier in Food	
	Processing and	
	Preservation	
	Editor- Vidhya C S, Prasad	
	Patil, Barinderjit Singh, S.S	
	Bora and Prashun Sachan	
	Advances in Food	
	Grinding, Milling, and	
	Size Reduction (2023)	
	Gulshan Kumar Malik	
	Krishna Bahadur Chhatri	
	and Sourabh Chanker Detal	
	AIIU SAULADII SHAIIKAI FALEL (ISDN 078 81 10651 42	
	(ISDIN -9/0-01-19031-43-	
Popular articles	Kumarı, S., Kumari, A.	
	R. , Kumar, Pratush.	
	Kumar, P. and Chaubey, S.	
	2023. Poshak Tatbo se	
	bharpur Mote Anaj.	
	Adhunik Kisan, January-	
	June 2023:17-21.	

	Anuradha Ranjan Kumari, Dr. Pratyush Kumar, Prashant Kumar and Shivam Choubey, 2023. Poshak Anaaj ka dainik aahar me mahatv, Adhunik Kisan, January-June 2023:17-21.		
success story			
Bulletins			
Agro-advisory bulletins		1000	1000
Extension Folders	Dakho, J., Kumari, A. R., Nandeesha, C. V. and Kumari, A. 2023. Aam ke bagiche ke rakh rakhab hetu masik Calender.	1000	1000
	Kumari, A. R., Chhetri, K. B., Kumari, S., and Kumari, A. 2023. Soyabean Prasanskaran	1000	1000
	Harsha, B. R., Kumari, A. R., Dakho, J., Kumar, P., Chaubey, S. and Kumari, A. 2023. Kam Lagat Prakritik Kheti.	1000	1000
	Harsha, B. R., Dakho, J., Kumari, A. R., and Kumari, A. 2023. Prakritik Kheti:Rasaynik v Jaivik Kheti ka Prabal vikalp.	1000	1000
	Kumar, P., Kumari, A. R., Dakho, J., Nandeesha, C. V. and Chaubey, S. 2023.	1000	1000
	Kumar, P., Kumari, A. R., Nandeesha, C. V., Harsha, B. R., Chaubey, S. and Kumari, A. 2023. Mirch ki Vaighanik Kheti.	1000	1000
	Harsha, B. R., Kumari, A. R., Nandeesha, C. V. and Chaubey, S. and Kumar, P. 2023. Sarso-Rai ki Vaighanik Kheti.	1000	1000
	Harsha, B. R., Kumari, A. R., Nandeesha, C. V., Chaubey, S., Kumar, P. and Kumari, A. 2023.	1000	1000
	Harsha, B. R., Nandeesha, C. V., Kumari, A. R., Chaubey, S. and Kumar, P.	1000	1000

2023. Arhar ki Adhunik		
Kneu.	1000	1000
Kulliar, A., Kulliari, A. K.,	1000	1000
Nandaasha C V 2023		
Nandeesna, C. V. 2025.		
 Matar Ki Kileti.	1000	1000
Chaubey, S., Chnetri, K.	1000	1000
B., Kumari, A. R., Harsha,		
B. K., and Nandeesha, C.		
V. 2023. 111 KI Kneu.	1000	1000
Chaubey, S., Chnetri, K.	1000	1000
B., Kumari, A. K., Harsha,		
B. R., and Kumar, P. 2023.	1000	1000
Chaubey, S., Chhetri, K.	1000	1000
B., Kumarı, A. R., Harsha,		
B. R., Nandeesha, C. V.		
and Kumar, P. 2023. Mitti		
Jach kyo, Kab aur Kaise		
Swasth Mitti Swasth Fasal		
aur Swasth Khet ki Niv		
 hai.		
Chaubey, S., Kumari, A.	1000	1000
R., Chhetri, K. B., Harsha,		
B. R. and Nandeesha, C.		
V. 2023. Moong ki Unnat		
 Kheti.		
Chaubey, S., Kumari, A.	1000	1000
R., Chhetri, K. B.,		
Nandeesha, C. V., Harsha,		
B. R., Dakho, J. and		
Kumar, P. 2023. Badalte		
Mausam Parivesh me		
 Dhan ki sidhi bubai.		
Harsha, B. R., Nandeesha,	1000	1000
C. V., Kumari, A. R. and		
Chaubey, S. 2023. Urad ki		
Unnat Kheti.		
Harsha, B. R., Nandeesha,	1000	1000
C. V., Kumari, A. R.,		
Chaubey, S., and Kumar,		
P. 2023. Kharif Ritu me		
 Kare:Makka ki Kheti.		
Kumari, S., Kumari, A. R.,	1000	1000
Kumar, P., Harsha, B. R.		
and Kumari, A. 2023. Jau		
 ki Unnat Kheti.		
Harsha, B. R., Kumari, A.	1000	1000
R., Nandeesha, C. V.,		
Chaubey, S. and Kumar, P.		
2023. Mungfali ki Adhunik		
Kheti.		

Technical reports		
News letter		
Electronic Publication		
(CD/DVD etc)		
TOTAL		

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel and designation	Name of course/training program attended	Date and Duration	Organizer/Venue
1.	Dr. Harsha B. R.	a B. R. 5th International Conference Climate Change and Its Impact (CCI-2023)		
2.	Dr. Nandeesha C. V.	Evolving Extension Science Towards Secondary Agriculture for Sustainable Development.	22-24, June 2023	University of Agricultural Sciences, Bangalore
3.	Dr. Jonah Dakho, Dr. Nandeesha C. V., Dr. Harsha B. R., Er. K. B. Chhetri, Smt. Sarita Kumari	Capacity Building Programme on Natural Farming	25-03-2023 to 27-03-2023, 3 days	Dr. RPCAU, Pusa
4.	Dr. Anuradha Ranjan Kumari	National Conference (Hybrid Mode) on Agro-Ecology based Agri Food Transformation Systems	27-28.01.2023	On line mode
5	Dr. Anuradha Ranjan Kumari	Conference organized by Samaj Vikash Sansthan, Jagriti Vihar Meerut, U.P.	19.02.2023	On line mode
6.	Er. K. B. Chhetri	CRA review workshop	18-19, Jan 2023	New Delhi
7.	Dr. Anuradha Ranjan Kumari	CFLD workshop 2021-22 & 2022- 23	18-19, March, 2023	RCER, Patna
8.	Dr. Jonah Dakho, SMS- Horticulture (Floriculture)	CAFT Training programme on ICT (Winter School) on topic 'ICT- enable solution for agricultural extension and market linkage in the new normal' sponsored by ICAR	31-01-2023 to 19-02-2023, 21 days	BAU, Sabour
9.	Dr. Jonah Dakho, SMS- Horticulture (Floriculture)	Training programme on Value Chain Extension	13-06-2023 to 16-06-2023 3 days	Dr.RPCAU Pusa in collaboration with MANAGE, Hyderabad
10.	Dr. Harsha B. R.	Innovative approaches and strategies for increased profitability and sustainability and sustainability in organic food production.	2-10 Aug 2023	KSNUAHS, Shivamogga

D. Details of attachment training (RAWE/ FET for ARS/Others) through KVK

Type of attachment	No of student trained	No of days stayed	

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose

Award received by KVK Scientists

S1.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority

Award received by Farmers

S1.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
01.	IARI-Fellow	Shri. Shiv	Mohammadpur					ICAR-IARI
	Farmer	Prasad	_					
	Award	Sahani						

3.7. TECHNOLOGY DEVLOPMENT

A. Give details of Innovative Methodology/Process/Product or Innovative Technology developed by KVK

Sl.	Name/ Title of	Brief details of the	Impact of the	Status of
No.	the technology	Innovative Technology	technology	commercialization/Patent

B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

C. Indicate the Specific Training Need Analysis Tools/Methodology followed by KVKs

Sl. No.	Brief	details	of	the	tool/	Purpose for which the tool was followed
	metho	dology fo	llowe	ed		

4. IMPACT

4.1 Impact of KVK activities till now (Not to be restricted for reporting period).

No. of participants	% of adoption	Change in income (Rs.)

Name of specific				
technology/skill			Before (Rs./Unit)	After (Rs./Unit)
transferred/training				
Mushroom Cultivation	245	10	0	54000.00
Bee keeping	42	14	0	45000.00
Zero tillage	37	52	27000	35000.00
DSR	75	34	36000	55000.00
Seed production	202	15	25000	55000.00
Plant propagation	210	17	0	50000.00
Machination	53	51	20000	42000.00

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large-scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies		
Technology	Horizontal spread	
HYV	42%	
Seed treatment	51%	
GAP	50%	
Seed replacement rate	31%	

Give information in the same format as in case studies

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Mushroom production
Name & complete address of the entrepreneur	Smt. Sunita Devi, Kaladumra, Block-Goriakothi, Siwan
Role of KVK with quantitative data support:	1.Training
	2.Availability of spawn
Timeline of the entrepreneurship development	Immediately after the training
Technical Components of the Enterprise	Availability of spawn
Status of entrepreneur before and after the	Before- Unemployed
enterprise	After- Respectful earning for livelihood by mushroom
	production
Present working condition of enterprise in terms	Raw materials availability- With the help of KVK
of raw materials availability, labour availability,	Labour availability- Self engagement
consumer preference, marketing the product etc. (Consumer preference- As per need
Economic viability of the enterprise):	Marketing- Local purchaser
	Economic viability- Significantly viable
Horizontal spread of enterprise	Gradual dissemination

4.5. Success stories/Case studies, if any (two- or three-pages write-up on 1-2 best case(s) with suitable action photographs)

Name of farmer	Sri Mukesh Kumar

Address & Contact details	Vill- Malik Tola, P.O- Kailgarh, P.S + Block-			
(Phone, mobile, email Id)	Barhariya ,Distt-Siwan, PIN-841438, Mobile No-			
	9934278253. E-mail: mm1006416@gmail.com			
Assets (Landholding (in ha.)/Livestock) Name and description of the farm/ enterprise Achievement of the farmers	 9934278253. E-mail: mm1006416@gmail.com Land (ha) – 12.0 ha Water bodies with irrigation capacity- Pumpset-04, Boring- 05, Drip irrigation-2.0ha, Sprinkler-1.0 acre Animal resources including fish and poultry- Cow-02, Buffalo-02, Pond-01acre, Bioflock 01 Unit. Farm Machinery- Tractor-01, Cultivator-01, Rotavater- 01, Thresher-01, Spraying Machine-05, Conoweeder- 06, MB Plough-01, Hand operated winnowing fan-01, Pick up (Mahendra)-01, Poly house-01, Net house-01 Vegetable Seed production He got trained at IIVR and Dr.RPCAU, Pusa for seed production and has engaged himself in this activity since 2000-2001. He produces F/S seeds of Cabbage, Cauliflower, Chilli, Pea and gourds family. Since then he started to diversify his cereal based cropping system to vegetable farming and other horticultural entities like fruit cultivation. He began to grow seasonal vegetables like cauliflower, chillies, bitter gourd etc. using more resource conservation technologies like sprinkler system, drip system, green manuring and mulching. Now he is a famous vegetable grower of Barharia block of Siwan district. He prepares vermicompost from the cow dung and used this vermicompost in his farm for organic farming. He sells the vermicompost in excess to make his income which multiplied many fold. His name and fame are spreading throughout the district. All staffs like DAO, PD, BAO, AC, Kisan Salahkar etc frequently visit his plot. Many State Ministers, MP, MLA, DM, and SP of Siwan had visited his farm time to time. He is regarded one of the model farmer of Siwan district. Inspired by his successful 			
	interventions in vegetable seed production many farmers in his village have started vegetable seed production for good economic return. Has horizontal			
	spread of technologies to 2800 Farmers in adjacent 5			
VVV intervention	DIOCKS.			
(planning & Implementation)	Training and Timely Guidance given by KVK			
Impact (Economic/ Social/Environmental)	Total Total Net			
	ExpenditureIncome(Rs.)income(Rs.)(Rs.)			
	2116000 5033000 2917000			
Outcome (Horizontal/ Vertical spread)	Has horizontal spread of technologies to 2800 Farmers			
	in adjacent 5 blocks.			



Farm visit by Sri. Abhanshu Jain, Director BAMETI, Govt. of Bihar



Abhinav Kisan award presented by Hon'ble VC Dr.RPCAU, Pusa

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1.	Dr.RPCAU, Pusa	Technical guidance of training & extension activities.
2.	DAO, Siwan	Joint implementation of training programme, diagnostic team visits, Demonstration & Research
3.	ATMA, Siwan	Joint implementation of training programme, diagnostic team visits, OFT, FLD,Demonstration& Research
4.	NFL	Awareness camp, motivational trainings and technical guidance
5.	IFFCO	Technical guidance in field day, trainings and demonstrations.
6.	JDA,Saran	Training and workshop
7.	BAMETI, Patna	Climate change training
8.	NABARD	Training to farmers club of NABARD, Siwan.
9.	PPL	Awareness programme and training
10.	PARIVARTAN, NGO	Kisan mela,& awareness programme
11.	Sugar factory, Sindholia	Awareness programme and training
12.	Nehru Yuva Kendra, Siwan	Awareness programme and training
13.	RSETTI, Siwan	Awareness programme and training
14.	GADA	Awareness programme and training
15.	DHO, Siwan	Awareness programme and training
16.	JIVEEKA	Training
17.	NRC LITCHI, Muzaffarpur	Training

5.2. Details of Externally funded project & Programmes during 2023 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)

(b) Programme for other activities (training, FLD, OFT, Mela, Exhibition etc.)

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Climate Resilient Agriculture Programme (CRA Programme)	Climate Resilient agriculture Technology demonstrations	2020	Bihar Government	-
Assessment Refinement Validation Adoption	Assessment Refinement Validation Adoption	2022-23	ATMA Siwan	75000

6. PERFORMANCE INDICATORS

6.1. Performance of demonstration units (other than instructional farm)

S 1	Nama of	Year	Area	Details of	Details of production		Amoun	nt (Rs.)	
SI. No	demo Unit	of	(Sq.	Variety/bre	Droduco	Otv	Cost of	Gross	Remarks
10.	denio Unit	estt.	mt)	ed	Produce	Qty.	inputs	income	
1.	Vermi	201	60	-		25			Used in
	Compost	0				0q			the
									farm
2.	Azolla Unit	201	25	-					For
		6							demo.
3.	Mushroom	201	75	-					For
	Unit	4							demo.
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of	Date of (eq)		Date of \vec{u} Details of production		Amou	Amount (Rs.)		
		narvest	Are	Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income		
Paddy	July 2023	November 2023	4	R. Sweta	FS	103.40				
Wheat	November 2023	Crop is standing	4	HD2967	FS					
Rape seed and mustard	November 2023	Crop is standing	1	R. Suflam	FS					
Pigeon pea	July 2023	Crop is standing	2	R. Arhar-1	FS					
Potato	November 2022	Crop is standing	2	K. Sindhuri	FS					

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

S1.	Name of the		Amou	nt (Rs.)	
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	Remarks
1.					

6.4. Performance of Instructional Farm (livestock and fisheries production)

S1.	Name	Details of production			An	ount (Rs.)	
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.							
2.							
3.							

6.5. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total:			

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed: No
- No. of staff quarters: 03
- Date of completion: Sep. 2012
- Occupancy details:03

Months	QI	QII	Q III	QIV	QV	QVI
Sep. 2012	SS &H,al since Sen	l the Scient	ists, Staff	are residing	g in KVK, o	campus
	Condition quarter re	n of PC qua equires repa	rter ,Scier iring	tist quarter	and other S	Staff

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Account	PNB Bhagwanpur Hat		1225002100001541
Revolving Account	PNB	Bhagwanpur Hat	1225002100001550
MMHM Account	PNB	Bhagwanpur Hat	1225002100002090
Non-ICAR Account	PNB	Bhagwanpur Hat	1225002100003248

7.2. Utilization of funds under CFLD on Oilseed (Rs. In Lakhs)

Itom	Released by ICAR		Expe	nditure	Unspent balance as on 07 th
Item	Kharif Rabi Kharif Rabi Februar		February 2024		
Critical Input	Nil	NGI	NJI	86545.00	() 86545.00
Field day	1111	1111	1911	80545.00	(-) 80545.00

Demonstration, etc			

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7.3. Utilization of funds under CFLD on Pulses (Rs. In Lakhs)

	Released by ICAR		Expenditure		Unspent balance	
Item	Kharif	Rabi	Kharif	Rabi	as on 07th	
					February 2024	
Critical Input				110950.00		
Field day	Nil	Nil	Nil		(-)110950.00	
Demonstration, etc						

7.4. Utilization of KVK funds during the year 2024 (07th February 2024) (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure		
A. Recurring Contingencies						
1	Pay & Allowances	14133000.00	11307000.00	10851000.00		
2	Traveling allowances	90000.00	90000.00	53681.00		
3	Contingencies					
A	Stationary, telephone, postage and other expenditure on office running, publication of newsletter/SCSP (Capital+ contingency)					
В	PoL, repair of vehicles, tractor and equipment	400000.00	400000.00	341092.97		
С	Training of farmers (Meals/refreshment of trainees)					
D	Training of extension functionaries					
E	FLD					
F	OFT					
G	Maintenance of Building					
Н	Kisan Sammelan /Mela/Gosthi	695953.00	695953.00	271683.00		
	TOTAL (A)	15318953	12492953	11517457		
B. Non-Recurring Contingencies						
1	Equipment	-	-	-		
TOTAL (B)		-	-	-		
C. REVOLVING FUND		-	3395054.00	2961809.00		
GRAND TOTAL (A+B+C)		15318953	15888007	14479266		

7.5. Status of Revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2021	12,18,228.58	16,92,399.00	9,66,087.74	19,44,539.84
2022	20,44,555.34	29,65,975.50	10,49,910.00	39,60,620.84
2023	2416181.34	3395054.00	2961809.00	2849426.34

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities (iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name activity	of	Number of activities	Season	With line department	With ATMA	With both
-		-	-	-	-	-

7.8 Revenue generation
Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	-	-	-

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
-	-	-	-	-	-

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

Name of the	Crop	Date of	Area	% Commodity	Preventive measures taken for area
disease		outbreak	affected (in	loss	(in ha)
			ha)		
False smut	Paddy	October-	20	70	
		November			
Red rot	Sugarc	July-	45	85	
	ane	August			
Die back	Mango	October	30	88	

8.2. Prevalent diseases in Livestock/Fishery

Name of the	Species affected	Date of	Number of	Number of	Preventive
disease		outbreak	death/ Morbidity	animals	measures
			rate (%)	vaccinated	taken in pond
					(in ha)

8.3. Nehru Yuva Kendra (NYK) Training

Title of the training	From To		No. of	the participant	Amount of Fund Received (Rs)	
programme			Male	Female		

8.4. PPV & FR Sensitization training Programme

Date of vaccination programme			Registration (crop wise)		
	Resource Person	No. of participants	Name of	No. of	
			crop	registration	

8.5. KVK Portal and Mobile App

S1.	Particulars	Description
No.		
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	36477 (Kisan Sarthi)
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

No. of Event s added by KVK	No. of Facilitie s added by KVK	No. of filled Report on Package of Practices]	No. of fille	ed Profile Rep	oort		110	
		Cro p	Horticultur e	Livestoc k	Fisherie s	Employee s	Post s	Financ e	Soil Healt h Cards	Appliance s	Crop s	Resource s	Fis h

8.6 Details of KVK Portal

8.7 Kisan Mobile Advisory Services/KMAS (m-Kisan Portal/National Farmers Portal/ SMS Portal)

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop	48	8642	8874	10218
2.	Livestock	11	812	963	1149
3.	Weather	69	9316	9716	12547
4.	Marketing	16	2651	2688	3529
5.	Awareness				
6.	Enterprises				
7.	Others				
8.	Total	144	21421	22241	27443

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
KVK Siwan	36477

8.6. a. Observation of Swachhta hi Sewa (2nd -31st Oct 2023)

Date/ Duration	Total No. of Activities undertaken	No. of Participants					
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total		

b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2023)

Date/ Duration	Total No. of Activities undertaken	No. of Participants					
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total		
06.10.2023	Cleaning, Awareness programme	11	82	-	93		
13.10. 2023	Cleaning, Awareness programme	09	28	-	37		
18.10. 2023	Cleaning, Awareness programme	12	49	-	61		
20.10. 2023	Cleaning, Awareness programme	9	56	-	65		
26.10.2023	Cleaning, Awareness programme	11	47	-	58		

c. Details of quarterly budget expenditure on Swachh activities including SAP

S.No	Activities	No of village covered	Total Expenditure
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		(Rs.in Lakhs)
1.	Vermicomposting	
2.	Other than vermicomposting activities under Swachata	

8.7. Details of 'Pre-Rabi Campaign' Programme

No. of Union Minister attended the programm (Loksabha' Rajyasabh (Loksabha' Rajyasabh (Loksabha' Rajyasabh participated Ministers No. of Hon'ble MPs (Loksabha' Rajyasabh Participated MLAs No. of State Govt. Ministers MLAs Attended the programme Collector/ DM Bank Officials Bank Officials, PRI members etc. Total Total Total Coverage by Door Darshan (Yes/No)	Date of progra	mme
No. of Hon ble MPs (Loksabha/ Rajyasabhi, participated Ministers Ministers MILAs Attended the programme programme Chairman ZilaPanchayat Collector/ DM Bank Officials Bank Officials Farmers Farmers Total Total Total Coverage by Door Darshan (Yes/No)	No. of Union Mi attended the prog	nisters ramme
No. of State Govt. Ministers MLAs Attended the programme Chairman Clairman ZilaPanchayat Collector/DM Bank Officials Farmers Farmers Total Total Total Coverage by Door Darshan (Yes/No)	No. of Hon'blk (Loksabha/ Rajy. participate	: MPs asabha) d
MLAs Attended the programme Chairman ZilaPanchayat Collector/ DM Bank Officials Bank Officials Farmers Farmers Total Total Total Total Coverage by Door Darshan (Yes/No)	No. of State C Ministers	lovt.
Chairman ZilaPanchayat Distt. Collector/DM Bank Officials Farmers Farmers Govt. Officials, PRI members etc. Darshan (Yes/No) Coverage by Door Darshan (Yes/No)	MLAs Attended the programme	
Collector/ DM Bank Officials Farmers Govt. Officials, PRI members etc. Coverage by Door Darshan (Yes/No)	Chairman ZilaPanchayat	
Bank Officials Farmers Govt. Officials, PRI members etc. Total Total Total Coverage by Door Darshan (Yes/No)	Distt. Collector/ DM	Par
Farmers Govt. Govt. Officials, PRI members etc. Total Total Coverage by Door Darshan (Yes/No) Coverage by other channels (Number)	Bank Officials	ticipants
Govt. Officials, PRI members etc. Total Coverage by Door Darshan (Yes/No) Coverage by other channels (Number)	Farmers	(No.)
Total Coverage by Door Darshan (Yes/No) Coverage by other channels (Number)	Govt. Officials, PRI members etc.	
Coverage by Door Darshan (Yes/No) Coverage by other channels (Number)	Total	
Coverage by other channels (Number)	Coverage by I Darshan (Yes	Door No)
	Coverage by c channels (Nun	ther lber)

8.8 . Viksit Bharat Sanklap Yatra (LLB and ULB)

S1.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
01	36	72	6321	165

8.9. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Siwan	Producti on and Manage ment technolo gy	07	123	KVK, has prepared contingent plan for Siwan district and delivered guidelines DAO, PD, DHO, BAO, Agri.coordinator, Kisan salahakar, ATM, And BTM for Successful management in drought situation during year 2022

9. Information on Visit of Ministers to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
-	-	-	_

10. List of other visitors (MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
14.02.2023	Dr. R.N. Prasad Ex. Principal Scientist &	Visit of KVK
	Head, ICAR-IIVR, Varanasi	
17.02.2023	Dr. Nishi Keshari, Asstt. Prof. PGCA, Pusa	To conduct TSP training
17.02.2023	Dr. K. Kranti KVVS, Scientist, Semior Scale, AICRP, ICAR, IARI-12	To conduct TSP training
24.03.2023	Dr. D.K. Roy, Director Seed, RPCAU, Pusa	Visit KVK, Farm
28.03.2023	Dr. P.P. Singh, Dean, TCA, Dholi	Visit KVK
	Mr. Anil Kumar Sharma, Secretary to VC	Visit KVK
05.042023	Prof Suman Pd. Maurya, Dean PAS,	Visit to KVK
	ANDUAT Ayodhya	
28.06.2023	Alekh Kr. Sharma, SDAO Siwan	Visit to KVK
14.07.2023	Dr. Mukesh Kumar, Assoc. Processor	Visit to KVK
	RPCAU, Pusa	
22.07.2023	M.R. Farooqui, Dy, Director Fisheries, Saran	Visit to KVK
24.07.2023	Dr. Vinay Kr. Choudary, Scientist,	Visit to KVK
	Directorate of Seed, TCA, Campus	
06.08.2023	Mr. Shailesh Kumar, Joint Director, Agri.	Visit to KVK
	Dept.	
22.09.2023	Mr. Prabhakar Kumar Jha, BREDA Patna	Visit to KVK
06.10.2023	Dr. Ratnesh Kumar Jha, Professor & Project	Visit to KVK, And CRA Plots
	Director CRA	
06.10.2023	Dr. Ravi Kant, PI Hybrid Rice Seed	Visit to KVK, And CRA Plots
	Programme	
01.12.2023	Mr. Sumit Kumar Singh, DDM, NABARD,	Visit to KVK
	Siwan	

11. PROJECT-WISE REPORTING (Applicable for KVKs identified under the given project)

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)

- Year:
- Introduction / General Information:

Trial Name	Area covered	Variety name	Duration	Method of planting	Sowing	Grain Yield	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
Kharif										
Rabi										

11.2 Details of Tribal Sub Plan (TSP)

a. A	chievements of physical output under TSP	
Sl.	Activities	Physical Achievement

1)	Trainings	No. of	No. of beneficiaries
	_	Trainings/Demos	
a.	Farmer		
b.	Women		
с.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
с.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set,		
	weeder etc.)		
h.	No. of other programmes (Swachha Bharat Abhiyaan,		
	Agriculture knowledge in rural school, Planting material		
	distribution, Vaccination camp etc.)		

b. Fund received under TSP in 2023-24 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2023

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural	No. per household	
	implements/ tools etc.		

d. Location and Beneficiary Details during 2023

District	Sub-	No. ofName ofVillagevillage(s)	ST population benefitted (No.)			
	uistrict	covered	covered	Μ	F	Т

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical A	chievement
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	11	333
b.	Women	4	66
c.	Rural Youths		
d.	Extension Personnel		

2)	OFT	No. of OFTs	No. of beneficiaries
		1	7
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
с.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		

11.4. NICRA (Technology Demonstration component)

a. Natural Resource Management

Name of intervention	Numbers	No	Area		N	0 0	f far be	mer enefi	s cov tted	verec	1 /		Domorka
undertaken	under taken	units	(ha)	SC M	F	ST M	F F	Otl M	ner F	To M	tal F	Т	Remarks
Zero tillage wheat	10	10	2	0	0	0	0	1	0	1	0	1	
								0		0		0	

b. Crop Management / Production

Name of intervention undertaken	Area (ha)		No	of fai		Remarks					
		S	SC ST Other Total								
		Μ	F	Μ	F	Μ	F	Μ	F	Т	
Paddy	08	04	0	0	0	36	0	40	0	40	
Mustard	10	04	0	0	0	46	0	50	0	50	
Wheat	9	02	0	0	0	34	0	36	0	36	
Radish	2	02	0	0	0	42	0	44	0	44	
Linseed	4	0	0	0	0	34	0	34	0	34	

c. Livestock and fisheries

Name of intervention	Number	No	Area	Area No of farmers covered /									Remarks
undertaken	of	of	(ha)	a) benefitted									
	animals	units											
	covered												
				SC		ST		Oth	ner	To	tal		
				Μ	F	Μ	F	Μ	F	Μ	F	Т	
Backyard Poultry	1000	17		0	0	0	0	1	0	1	0	1	
								4	3	4	3	7	

d. Institutional interventions

Name of intervention	No	Area	No of farmers covered / benefitted	Remarks
undertaken	of	(ha)		
	units			

	SC		ST	1	Oth	ner	Tot	tal			
	Μ	F	Μ	F	Μ	F	Μ	F	Т		

e. Capacity building

Thematic area	No of	No of beneficiaries								
	Courses									
		S	C	ST		Other		Total		
		M F M F M F M F T					Т			
Training	16	21 03 0 0 138 37 159 40 199						199		

f. Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC ST Other Total								
		Μ	F	М	F	Μ	F	Μ	F	Т

11.5. Formation and Promotion of FPOs as Cluster Based Business Organization (CBBOs)

S.No	No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business

Number of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

S.No	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops	Millets	17
Value addition (in no. of Unit or no. of Enterprise)	Moringa and ragi- wheat based laddu	30

Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	No. of farmers/ beneficiaries
FLD		
Nutritional Garden	3ha	5
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)	1	40
Other Enterprises (in no. of Unit or no. of Enterprise)		

c. Details of established Nutrition Garden in Nutri-Smart village

S1.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Bala and Pirahaiya	Backyard/Kitchen Garden	2	600	2
2.	Badkagaon, Chourlli, Piphrahia, Meerhata and Bherbania	Community level	5	1000	5
3.	Sahsaraon and sonbarsha	Terrace Garden	5	100	5
4.		Vertical Garden			
TOTAL			12	1700	12

d. Details of Bio-fortified crops used in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi- ciaries
Badkagaon, Chorulli, Bherbenia, Meerhata and Piprahiya	Rabi and Kharif	5	Vegetables, Fruits, Flower and Millets	Okra, Papaya and others	Red lady, kasi lalimaa etc	10 ha	20

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value- added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Badkagaon, Chorulli, Bherbenia, Meerhata and Piprahiya	Millets	Ragi laddu	OFT	15

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Badkagaon, Chorulli, Bherbenia, Meerhata, sonbarsha and Piprahiya	Nutritional garden	14	357

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

h. Details of recipe contest (if applicable)

No of events organised Name of location/village No. of participants

1	Maritar, Guthni, Siwan	35
2	Hardobara, Barhariya, Siwan	30
3	Chotka Teghra, Maharajganj, Siwan	30

11.7Attracting and Retaining Youth in Agriculture (ARYA)

Name of enterprises	No. of entrepreneurial units established	No. of Training programs organized	No. of youth	rural trained	No. of establi units	youth ished	Total entrepreneurial units formed	Total entrepreneurial units Functional
			Male	Female	Male	Female		

11.8 Out-scaling of Natural Farming

a. Overall achievements

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	10	992
2.	Training programme	01	40
3.	Demonstrations	09	08 farmers field + 1 KVK farm

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries
01	Natural farming	10-11/01/2022	KVK, Siwan	40

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
1	Awareness programme	19/12/2022	Sadiha	60
2	Awareness programme	23/12/2022	KVK, Siwan	119
3	Awareness programme	26/12/2022	Balbangra	129
4	Awareness programme	27/12/2022	Barkagaon	100
5	Awareness programme	29/12/2022	Saripatti	200
6	Awareness programme	08/01/2023	Zeradei	160
7	Awareness programme	18/01/2023	Saidpura	42
8	Awareness programme	20/01/2023	Khembhatkan	22
9	Awareness programme	01/02/2023	Sahasraon	80
10	Awareness programme	03/02/2023	Jagadispur	80
				992

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.
1	Chilli	Chorauli	1.0
2	Tomato	Chorauli, Sadiha	1.0
3	Cabbage	Badkagaon	1.0

4	Potato	KVK farm	0.5
	(K. Sindhuri)		
5	Potato	KVK farm	0.5
	(K. Chipsona)		

11.9 District Agro Meteorological Unit (DAMU)

S. No	No. of Block	No. of advisory	No. of	No. of farmers	No. of farmers	No. of
	agromet	bulletin	Farmers	feedback	received agromet	publication
	advisories	published	Awareness	received	advisory bulletin	
	send		programmes			
			organized			

11.10 KSHAMTA

Number of Adopted Villages	No. of A	Activities	No. of farmers benefited		
Tumber of Huspieu (muges	Demo	Training	Demo	Training	

11.11 Agri-Drone

S.N	Name on the	No. of	No. of	Procureme	Area	No. of	No. of	No. of
0	project implementati on center (PIC)	kisan drones sanctione d	kisan drones purchase d by the PIC	nt of no of drones in process	covered under the kisan drone demonstratio	demonstratio n conducted	Pilot training propose d	Pilot training conducte d

11.12 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component- wise)	Area under IFS (ha)	Production (Commodity- wise)	Cost of production in Rs. (Component- wise)	Value realized in Rs. (Commodity- wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

b. Activities under IFS

Sl.	Component	No. of KVKs under the	No. of ComponentsArea (ha)No. of Activities		Area No. of A		No. of farmers benefited	
INO.	No. Name Component established	(na)	Demo	Training	Demo	Training		
1.								
2.								
3.								

11.13 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

	Database prepared/ covered for		KVK level Committee		Various activity	
Phase	Total no. of	Total no. of	Date of	Name of	conducted for farmers	
	villages	farmers	formation	members	conducted for farmers	

Ι			
II			
Total			

11.14 Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

12 <u>Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall</u> <u>achievements of KVK during the year (best 10)</u>
