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

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Halsi, Lakhisarai	9122807102		lakhisaraikvk@gmail.com

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
B.A.U, Sabour, Bhagalpur	06412452606	06412452641	deebausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Shambhu Roy	Halsi, Lakhisarai	9122807102	lakhisaraikvk@gmail.com

1.4. Year of sanction of KVK:

Sanction Order No- F.No.6-2/2004-AE-1
Dated- 24.03.2006

Year of start of KVK: - 2006

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

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ Temporary	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr. Shambhu Roy	Senior Scientist & Head	Plant Pathology	L-13A (156900)	14-05-2012	Permanent	GEN
2.	Subject Matter Specialist	Dr. Sudhir Chandra Choudhary	Subject Matter Specialist	Plant Breeding and Genetics	L-10 (104100)	09-11-2007	Permanent	BC
3.	Subject Matter Specialist	Dr. Binod Kumar Singh	Subject Matter Specialist	Agronomy	L-10 (98200)	12-06-2009	Permanent	GEN
4.	Subject Matter Specialist	Dr. Sunil Kumar Singh	Subject Matter Specialist	Horticulture	L-11 (95400)	15-06-2009	Permanent	GEN
5.	Subject Matter Specialist	Dr. Renu kumari	Subject Matter Specialist	Home Science	L-10 (71100)	22-10-2014	Permanent	GEN
6.	Subject Matter Specialist	Dr. Nishant Prakash	Subject Matter Specialist	Plant Pathology	L-10 (71100)	22-10-2014	Permanent	GEN
7.	Subject Matter Specialist	Vacant						
8.	Programme Assistant	Vacant						
9.	Computer Programmer	Mr. Drabin Kumar Singh	Programme Assistant Computer	-	L-06 (47600)	31-05-2013	Permanent	GEN
10.	Farm Manager	Mr. Avni Kant	Farm Manager	-	L-06 (49000)	26-10-2012	Permanent	GEN
11.	Accountant / Superintendent	Mr. Vijay Kumar Singh	Assistant	-	L-06 (47600)	12-04-2013	Permanent	GEN
12.	Stenographer	Mr. Deonath Paswan	Stenographer	-	L-04 (34300)	20-06-2013	Permanent	SC
13.	Driver	Mr. Shashi Prakash	Driver	-	L-03 (28400)	22-05-2015	Permanent	GEN
14.	Driver	Vacant						
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	2.00	Admin Building with premises, Kisan Ghar, Residence Area & Godown with threshing
2.	Under Demonstration Units	1.5	Mushroom Unit, Vermicompost Unit, Long term, Shed Net, Nutritional garden
3.	Under Crops	14.0	
4.	Orchard	1.2	HDP Guava & mango, NHM
5.	Agro-forestry	-	-
6.	Others with details	1.39	Approach Road, Drainage Channel
	Total	**20.09**	

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)	Under use or not*	Source of funding
1.	Administrative Building					Totally completed	550	Under Use	ICAR
2.	Farmers Hostel					Totally completed	305	Under Use	ICAR
3.	Staff Quarters (6)					Totally completed		Under Use	ICAR
4.	Piggery unit								
5	Fencing					Not completed			ICAR
6	Rain Water harvesting structure								
7	Threshing floor					Totally completed(2)		Under Use	ICAR *Bihar state Plan Head
8	Farm godown					Totally completed		Under Use	ICAR
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit								
12.	Mushroom Lab								
13.	Mushroom production unit					Totally		Under Use	BSDM

						completed			
14.	Shade house					Completed		Not hand over	NHM, State Govt.
15.	Soil test Lab					Mini kit lab		Not in Use	
16	Others, Please Specify								
17	Polyhouse					Completed		Under Use	NHM, State Govt.

* 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	2006		337377	Condemned on 30/12/2022
Tractor	2006		5697 (hrs.)	Good Condition
Motor Cycle 1st BR53B7829	2015	59710	20030	Good condition
Motor Cycle 2nd BR53D5861	2016	52529	25575	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Minikit 2 Set	2017	1,70,016.00	Good	ICAR
Soil Testing lab equipment	2017	24,949.00	Good	ICAR
b. Farm machinery				
Seed Grading machine	2019		Good	ICAR
c. AV Aids				
Projector (Sony BPL) projection screen	2013	51,660.00	Good	ICAR
Laptop Sony (VAIO)	2013	48,350.00	Good	ICAR
Del Laptop inspiration 5559/Ci5	2016	54,285.71	Good	ICAR
Brother Colour Printer Model DCP-T500W MFP	2016	67,400.00	Good	ICAR
T.V. (Sony Bravia KLV-48R562CIN5)	2016	66,900.00	Good	ICAR
HP Laptop + Del Desktop inspiration 3647 + TFT	2016	92,906.00	Good	RKVY
Projector Sony VPL Ex 310+Wifi dongle	2016	58,500.00	Good	RKVY
Sound system Ahuja	2016	33,936.00	Good	RKVY
Video Camera Handycam Model FDR-AX-30	2016		Good	RKVY
RICOH Photocopier Machine	2013	77,214.00	Good	ICAR
Xerox machine Model WC 5022/24	2016	75000.00	Good	ICAR

Refrigerator	2013	17,500.00	Good	
Nikon Cam (Digital Camera)	2014	22,000.00	Good	
Cannon Camera (Still photographic DSLR)	2016	29,600.00	Good	
External Hard Drive Lenevo (1 TB)	2016	5,600.00	Good	
Cease Fire	2016	9,649.00	Good	
Security system (Biometric)	2014	24,750.00	Good	
Audio Visual Set	2014	24,950.00	Good	
Motor Cycle 1st	2015	59710.00	Good	ICAR
Motor Cycle 2nd	2016	52529.00	Good	ICAR
Kent Perk (RO+Water Cooler)	2016	45,000.00	Good	
KENT SUPER B	2016	23,000.00	Good	
Water Cooler Voltas P16H003611 + Water Purifier Euro Aqua) 900894	2016	59,500.00	Good	
T.V. Panasonic LED	2016	27,200.00	Good	
DG Set	2016	3,94,133.00	Good	
Voltas Water Cooler 40/80 PSS	2023		Good	

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
M.B. Plough	2006		Not Good	
Disc Harrow	2006		Not Good	
Multi Crop Thresher	2012		Good	RKVY
Rotavator	2012	180000	Not Good	RKVY
RT-150 (SFEET) Rotavator	2014	93,810.00	Good	RKVY
Power Ripper	2017	95,238.00	Not Good	
Zero tillage	2012	10,5000	Not Good	ATMA
Zero tillage	2014	10,5000	Not Good	RKVY
Zero tillage	2017	10,5000	Good	RKVY
Generator set 7.00 KV	2012	50,000	Good	ICAR
Pumping set 4.0 H.P.	2012	19,000	Not Good	Revolving
Cultivator (Nine tine)	2012	23,750	Good	ICAR
Seed drill	2012		Not Good	ICAR
Winnowing machine	2012	2,850	Not Good	RKVY
Power sprayer	2012	6,500	Not Good	ICAR
Power sprayer	2013	7,500	Good	ICAR
Power sprayer	2016	7,500	Good	ICAR

Paddy transplanter	2016	1,90,000	Not Good	RKVY
Happy seeder (02)	2019		Good	RKVY
Laser land leveler	2021		Good	CRAP
Happy seeder	2021		Good	CRAP
Multi-crop planter	2021		Good	CRAP
Raised bed planter	2021		Good	CRAP
Tractor mounted sprayer	2021		Good	CRAP
Tractor	2021		Good	CRAP
Green Seeker	2021		Good	CRAP
Straw Baler	2021		Good	CRAP
High speed hay rack	2021		Good	CRAP
Combine harvester	2021		Good	CRAP
Tractor mouted reaper com-binder	2021		Good	CRAP
Self-propelled vertical conveyer reaper	2021		Good	CRAP
Tractor trolly	2021		Good	CRAP
Threshers (both axial and open drum)	2021		Good	CRAP
Weeder & Ridger	2021		Good	CRAP
Rice –Wheat Seeder	2021		Good	CRAP
Straw Baler (Shaktiman) Engine no. AGCB119100090	2022		Good	CRAP
Tractor Mounted SprayerMake/model-Boom Sprayer HTT/50	2022		Good	CRAP
National Zero till Seed cum Fertilizer Drill 11 Rows	2022		Good	CRAP
Handheld Green Seeker with all accessories (Hand held crop sensor)	2021		Good	CRAP
Green Seeker HSN Code-90273090	2022		Good	CRAP
Self-propelled vertical conveyer REAPER: Kisan Kraft, Model-KK-SPR-120IP, Sr.n. kk200902DK0201	2021		Good	CRAP
WEEDER & RIDGER-BCS, Sr. no.2101100418	2021		Good	CRAP
C.R.I. Self-Priming Monoblock Pump 1HP CSR, 220V	2023		Good	CRAP

1.8. Details SAC meeting* conducted in the year

Date of SAC meeting-28.07.2023
No. of Participants: 29

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken
21.09.22	24	5	सदन द्वारा डा० सुनील कुमार सिंह को निर्देशित किया गया कि जिला कृषि पदाधिकारी, लखीसराय द्वारा चयनित टमाटर उत्पादक किसानों के प्रशिक्षण हेतु खाद्य प्रसंस्करण एवं कटाई उपरांत प्रबंधन के विभागाध्यक्ष या कृषि विज्ञान केन्द्र, सबौर, भागलपुर से संपर्क स्थापित कर प्रशिक्षण शुरू करवाने हेतु पहल किया जाय। **(कार्रवाईः डा० सुनील कुमार सिंह (एस०एम०एस०, उद्यान) कृ०वि०के०, हलसी)**	जिला कृषि पदाधिकारी, लखीसराय द्वारा चयनित 22 टमाटर उत्पादक किसानों का प्रशिक्षण खाद्य प्रसंस्करण एवं कटाई उपरांत प्रबंधन के विभागाध्यक्ष, बिहार कृषि विश्वविद्यालय, सबौर से संपर्क स्थापित कर 13–15 अक्टूबर, 2022 को करवाया गया।
			सदन द्वारा जलवायु अनुकूल कृषि कार्यक्रम के तहत एक वर्ष में लखीसराय जिले के निर्धारित लक्ष्य, 4000 किसानों को क्षमतावर्द्धन (किसान चौपाल/किसान गोष्ठी/प्रशिक्षण के जरिये) किए जाने हेतु Co-PI एवं PI-CRAP को निर्देशित किया गया। **(कार्रवाईः Co-PI एवं PI-CRAP कृ०वि०के०, हलसी)**	जलवायु अनुकूल कृषि कार्यक्रम के तहत विगत वर्ष 2022–23 में 3,446 एवं 2023–24 में 712 किसानों को प्रशिक्षण दिया जा चुका है।
			सदन में प्रगतिशील किसान द्वारा निवेदन किया कि कृषि विज्ञान केन्द्र, हलसी में संचालित किए जा रहे बीज हब योजना के तहत उत्पादित किए जा रहे बीज पर बिहार सरकार के संबंधित विभाग से सब्सिडि दिलाने एवं सीड हब के तहत किसानों से खरीद की जाने वाले बीज का मूल्य निर्धारण बी०ए०यू०, सबौर द्वारा बाजार मूल्य से अधिक किया जाय। **(कार्रवाईः नोडल पदाधिकारी बीज हब, कृ०वि०के०, हलसी एवं मूल्य निर्धारण समिति, बी०ए०यू०, सबौर)**	किसान द्वारा उत्पादित बीज का अधिग्रहण बाजार मूल्य से अधिक मूल्य पर किया गया।
			सदन में प्रगतिशील किसान द्वारा निवेदन किया गया कि केन्द्र में पशु वैज्ञानिक के रिक्त स्थान को भरा जाय ताकि पशुपालक कृषक	पशु वैज्ञानिक का रिक्त पद पर अभी तक विश्वविद्यालय द्वारा भर्ती नहीं किया गया है।

			भी लाभान्वित हो सकें। **(कार्रवाईः बी०ए०यू०, सबौर)**	
			बैठक में सदन द्वारा सुझाव दिया कि कृषि विज्ञान केन्द्र, हलसी में चल रहे सीड हब परियोजना अन्तर्गत बीज उत्पादक पंजीकृत किसानों की सूचि जिला एवं बीज प्रमाणन एजेंसी को ससमय भेजी जाय। **(कार्रवाईः नोडल पदाधिकारी बीज हब सह प्रधान कृ०वि०के०, हलसी)**	लखीसराय जिला दलहन बीज उत्पादन के लिए बिहार सरकार द्वारा चयनित नहीं किया गया है। लखीसराय जिला तेलहन के लिए चयनित किया गया है।
			सदन द्वारा कहा गया कि सीड हब योजना के तहत जुड़े बीज उत्पादक किसान एवं कृषि विज्ञान केन्द्र के साथ किए गए MOU की प्रति जिला कृषि विभाग, लखीसराय को मार्च माह के पूर्व जमा कर दी जाय, जिससे कि किसानों के बीज पर मिलने वाले बोनस राशि का भुगतान जिला कृषि विभाग द्वारा किया जा सके। **(कार्रवाईः नोडल पदाधिकारी बीज हब सह प्रधान कृ०वि०के०, हलसी)**	लखीसराय जिला दलहन बीज उत्पादन के लिए बिहार सरकार द्वारा चयनित नहीं किया गया है। लखीसराय जिला तेलहन के लिए चयनित किया गया है।
			कृषि विज्ञान केन्द्र के **प्रधान के अध्यक्षता में प्रतिमाह निर्धारित तिथि में बैठक** आयोजित कर अग्रिम माह की कार्य योजना एवं विगत माह की कार्य समीक्षा की जाय। **(कार्रवाईः वरीय वैज्ञानिक एवं प्रधान, कृ०वि०के०, हलसी)**	बैठक आयोजित की जाती है।
			सदन द्वारा यह कहा गया कि किसान स्वयं अच्छे किस्म के बीज का चयन नहीं कर पाते हैं, जिस कारण बीज का उत्पादन कम हो जाता है, अतः कृषि विज्ञान केन्द्र के वैज्ञानिकों द्वारा किसानों को बीज चयन हेतु उचित मार्गद''न दिया जाय। **(कार्रवाईः वरीय वैज्ञानिक एवं प्रधान, कृ०वि०के०, हलसी)**	वैज्ञानिक द्वारा अच्छे किस्म के बीज का चयन कर बीज उत्पादन किया जा रहा है। जो निम्नलिखित हैं– **क्र.सं.** / **फसल** / **प्रभेद** 1. मूँग – शिखा 2. धान – सबौर संपन्न एवं राजेन्द्र श्वेता 3. चना – सबौर चना–1, आर०भी०जी० 202 एवं आर०भी०जी० 203 4. मसूर – आई०पी०एल०–316, आई०पी०एल०–220 एवं एल० 4717 5. राई – आर०एच०–725 6. मक्का – बाहुबली (रबी) आचार्या एवं वैरियर (खरीफ) 7. खेसारी – बोआ मूक्त प्रभेद **रतन** एवं **प्रतीक**

** 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 of the district	The cropping system varies depending upon the rainfall, land situation and water. In the Lakhisarai there are many farming situation namely upland, medium, low land, medium top

		land, middle tal land, bottom tal land, canal irrigated land, water logged area etc. Major crops grown in the district during rabi season are wheat, rabi maize, pulses including gram, lentil, pea and kheshari, vegetable including onion, patato and Oilseeds including rape seed and mustard. In kharif season major crops are Paddy etc.				
2	One district one product (NITI Ayog)	Tomato				
2	Agro-climatic Zone	The district of Lakhisarai belong in **zone III A** to the state of Bihar, the geographical area of Lakhisarai district is 128142.837 (ha) sq. And it has a total of seven blocks, 503 village and two towns. The district is undeveloped and some parts of the southern part remains in a dry state.				
3	Agro ecological situation	The average rainfall of Lakhisarai district is 1207 mm, the maximum and minimum temperature remains 114^0 F and 71.8^0 F respectively in summers where as 81.4^0 F and 46.8^0 F respectively in winter. January is the coldest and may is hottest month of the year. The whole area receives 80 % of the total rainfall during June to September.				
4	Soil type	The district has **alluvial soil** composed of sand, silt and clay in its most part. The soil is fertile and suitable for crop production. The alkaline and saline deposits are rarely found. There is little erosion at some places. Natural's hazards like drought, river erosion are some of the environmental problems of the district. The district has heavy texture alluvial soil in tracts while on an average the fertility of soil is low to medium in nature.				
5	Productivity of major crops of districts	**S. No**	**Crop**	**Area (ha)**	**Production (MT)**	**Productivity (Kg/ha)**
		1	Paddy	31680	107291	3387
		2	Maize	2474	5026	2032
		3	Wheat	29691	88049	2966
		4	Gram	3630	4654	1282
		5	Lentil	3534	4103	1161
		6	Pea	790	931	1178
		7	Khesari	2373	2840	1197
		8	Mustard	2667	4246	1592
		9	Linseed	215	167	777
		10	Moong	95	73	768
		11.	Potato	3112	58596	18829
		12.	Tomato	242	5406	22339
		13.	Onion	350	8836	25246
		14.	Red Chilli	320	960	3000
		15.	Turmeric	20	33	1650
		16.	Reddish	112	1738	15518
		17.	Pointed gourd	188	1586	8436

		18.	Vegetable Pea	200	1990	9950
		19.	Pumpkin	10	300	30000
		20.	Okra	348	4856	13954
		21.	Watermelon	125	1560	12480
		22.	Mango	586	5090	8686
		23.	Guava	146	1167	7993
		24.	Banana	156	6938	44474
		25.	Lemon	95	615	1474
		26.	Litchi	55	352	6400
		27.	Papaya	31	586	18903
		28.	Aonla	19	162	8526
6	Mean yearly temperature, rainfall, humidity of the district	Month	Rainfall (mm)	Temperature ^{0} C	Relative Humidity (%)	
				Max.	Min.	
		April	0	37.9	21.9	80
		May	28.4	39.8	23.85	76.75
		June	30.5	39.95	25.5	70.25
		July	23.4	34.7	24.7	79.5
		August	325.15	34.5	24.5	82.6
		September	160.1	36.25	24.25	74
		October	125.35	29.7	19.4	75.02
		November	10.22	27.75	17.84	76
		December	0	19.7	11.7	69.22
		January	22.32	16.8	9.1	73.5
		February	4.2	21.95	14.5	58.5
		March	0	32.77	20.2	63.8
7	Production of major livestock products like, , etc.					
	Milk ['000 MT]	129220				
	egg	NA				
	meat	NA				

Note: Please give recent data only

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

Sl. No.	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1	Halsi	Gaura (NICRA & NARI)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and variability, Low crop production and poor economic return & nutritional status	Climate resilient agri. Practices & Economic & Nutritional security
2	Halsi	Kaniyari (NICRA & NARI)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and variability, Low crop production and poor economic return & nutritional status	Climate resilient agri. Practices & Economic & Nutritional security
3	Halsi	Bhanpura (NICRA & NARI)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and variability, Low crop production and poor economic return & nutritional status	Climate resilient agri. Practices & Economic & Nutritional security
4	Pipariya	Surjichak (NICRA)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and variability	Climate resilient agri. Practices like flood resistant varieties, Resource conservation technologies
5	Suryagarha	Govindpur (SCSP)	Paddy, Wheat, Chickpea, Mustard, Onion	Low crop production due to local variety, Low economic return, poor nutritional status	High Yielding Varieties of Crop, Economic & Nutritional security
6	Halsi	Halsi (SCSP)	Paddy, Wheat, Chickpea, Mustard, Onion	Low economic return, poor nutritional and health status	Economic & Nutritional security and women drudgery reduction
7	Halsi	Bandol (SCSP & Malnutrition)	Paddy, Wheat, Chickpea, Mustard, Onion	Low economic return, poor nutritional status	Economic & Nutritional security and women drudgery reduction
8	Halsi	Raghunandan bigha (Natural Farming)	Paddy, Wheat, Chickpea, Mustard, Onion	Promotion of Natural Farming	Natural Farming Adoption
9	Suryagarha	Rampur (CRAP & Natural Farming)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and Variability, Promotion of Natural Farming and Nutritional Garden	Climate resilient agri. Practices Natural Farming Adoption
10	Pipariya	Lal Diara (CRAP)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability Climatic vulnerability and Variability	Climate resilient agri. Practices
11	Suryagarha	Lai (CRAP)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and Variability	Climate resilient agri. Practices
12	Suryagarha	Chandanpura (CRAP)	Paddy, Wheat, Chickpea, Mustard, Onion	Climatic vulnerability and Variability	Climate resilient agri. Practices
13	Lakhisarai	Garhi Bishanpur (CRAP & Natural Farming)	Paddy, Wheat, Chickpea, Mustard, Onion	Promotion of Natural Farming	Climate resilient agri. Practices

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
Rampur	Suryagarha	Climate resilient agricultural technology with improved package and practice of HYVs of crops and crop residue management practices viz. mushroom cultivation and waste decomposer and nutritional garden
Mahubadi	Barahiya	Production of quality pulse seed by farmer in participatory seed production programme
Lai	Suryagarha	Climate resilient agricultural technology with improved package and practice of HYVs of crops and crop residue management practices viz. mushroom cultivation and waste decomposer
Gaura	Halsi	Climate resilient technologies, Livestock management and, nutritional garden and Production of quality pulse seed by farmer in participatory seed production programme
Bandol	Halsi	Nutritional Garden Establishment and Nutrition education for eradication of malnutrition & Drudgery reduction of farmwomen
Halsi	Halsi	Nutritional Garden, Mushroom Production, Drudgery reduction

2.1 Priority thrust areas of KVKs

S. No	Thrust area
1.	Suitable cropping sequence in view of the prevailing agro- climatic.
2.	Condition in order to enhance high economic return
3.	Establishment of new fruit orchard
4.	Vermicomposting and organic crop production
5.	Integrated farming system
6.	Climate Resilient technologies like Resource conservation technology, Zero tillage
7.	Seed production in various crops viz. onion, paddy etc
8.	Oilseed crop production
9.	Integrated pest management
10.	Value addition and household food security
11.	Dairying development
12.	Natural Farming
13.	Women empowerment through income generating activities

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
10	10	80		11			57	13	57	24	81	6	6	100	22	2			39	49	61	51	112

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
218	230	3620	409	1392			4584	1096	4993	2488	7481	3000	3717	8000	700	837			6532	2716	7232	3553	10785

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
225	156	-	10			3	2	13	2	15	8000	10785	1	1			1	1	2	2	4

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
600	816.95	166.75	2.5	3.71	FLD

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement

* Give no. only in case of fish fingerlings

3.2ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	4	20	2
2	Varietal Evaluation	5	20	2
3	Integrated Pest Management	3	5	2
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			
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	**5**	**45**	
B	**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	**6**	**10**	
4	Integrated Crop Management			
5	Integrated Disease Management	**2**	**10**	**5**
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology	**2**	**8**	**4**
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**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			
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	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			
13	Value Addition			
14	Others			
	Total	**0**	**0**	**0**
E	**Technologies assessed under various 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	2	20	3
5	Others			
	Total	**2**	**20**	**3**

3.2.2 OFT (All discipline)

OFT-1 (Plant Breeding)

- **Thematic area: Crop Production**
- **Problem definition/Name of OFT:Assessment of Gram cultivar for yield under late sown condition.**

1.	Title of On farm Trial (OFT)	**Assessment of Gram cultivar for yield under late sown condition.**
2.	Problem diagnosed	Lacking of high yielding recent released cultivar of gram in Lakhisarai district
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**: Deshi chana **T.O.1**: Gram var. Sabour Chana-2 **T.O.2:** Gram var. GNG-2299
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dept. of Plant Breeding & Genetics, BAU Sabour
5.	Production system and thematic area	Rain fed & Crop Production
6.	Performance of the Technology with performance indicators	Yield & B:C ratio
7.	Final recommendation for micro level situation	Gram cultivar GNG-2299 recommended for growing in Lakhisarai district under late sown condition
8.	Constraints identified and feedback for research	None
9.	Process of farmers participation and their reaction	Positive

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

Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield(q/ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
	Proposed	Actual					
Farmers Practice: Desi Chana	0.5	0.5	8	25600	41840	16240	1.63
T.O.1: Gramcv. .Sabour Chana-2	0.5	0.5	9	25600	47070	21470	1.83
T.O.2: Gram cv. GNG-2299	0.5	0.5	12	25600	62760	37160	2.45

OFT-2 (Plant Breeding)

- **Thematic area: Crop Production**
- **Problem definition/Name of OFT:Assessment of biofortified lentil cultivar for yield**

1.	Title of On farm Trial (OFT)	**Assessment of biofortified lentil cultivar for yield**
2.	Problem diagnosed	Lacking of high yielding biofortified Lentil cultivar in Lakhisarai district.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**: Lentil cultivar Rubi **T.O.1**: Lentil cv. IPL-220 (Biofortified) **T.O.2:** Lentil cv. IPL-316 **T.O.3:** Lentil cv. L-4717
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dept. of Plant Breeding & Genetics, BAU Sabour
5.	Production system and thematic area	Rain fed & Crop Production
6.	Performance of the Technology with performance indicators	Yield & B:C ratio
7.	Final recommendation for micro level situation	Lentil cv IPL-220 & PAL-4717 recommended for cultivation in Lakhisarai district
8.	Constraints identified and feedback for research	None
9.	Process of farmers participation and their reaction	Positive

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

Technology options with detailed treatments	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Yield(q/ha)**	**Cost of cultivation(Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs./ha)**	**BC ratio**
	Proposed	**Actual**					
Farmers Practice: Lentil cultivar Rubi	1.25	1.25	12	35962.5	66000	30037.5	1.83
T.O.1: Lentil cv. IPL-220	1.25	1.25	16	35962.5	88000	52037.5	2.45
T.O.2: Lentil cv. IPL-316	1.25	1.25	14	35962.5	77000	41037.5	2.14
T.O.3: Lentil cv. PAL-	1.25	1.25	16	35962.5	88000	52037.5	2.45

4717							

Results: Lentil cultivar IPL- 220 & PAL-4717 showed highest B:C ratio(2.45) followed by lentil cultivar IPL-316 B:C ratio (2.14) and farmer practice lentil cultivar rubi showed lowest B:C ratio 1.83

OFT-3 (Agronomy)

- **Thematic area: INM**
- **Problem definition/Name of OFT:Improvement of Nitrogen use efficiency in wheat.**

1.	Title of On farm Trial (OFT)	**Improvement of Nitrogen use efficiency in wheat.**
2.	Problem diagnosed	Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost cultivation.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers practices:** RDF (100:40:20) Kg/ha **T.O.1:** 50% of RDN & 100% PK + Nano urea @4ml/lit. water (Single spray at 35 DAS) . **T.O.2** : 50% of RDN & 100% PK + 2 Spray of Nano urea at (35 DAS) and (60-65 DAS) @4ml/lit. water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop dt. 1-3 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Rice-Wheat system, INM
6.	Performance of the Technology with performance indicators	Yield, No. of effective tillers/ m², 1000 grain wt., Panicle wt, Straw yield & Economics
7.	Final recommendation for micro level situation	Use of Nano Urea is very effective in reducing dose of chemical Fertilizer.
8.	Constraints identified and feedback for research	Use of Nano Urea is effective and remunerative method in reducing chemical fertilizer by enhancing fertilizer use efficiency.
9.	Process of farmers participation and their reaction	Farmers were very enthusiastic to see the performance of Nano Urea.

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

Technology option	No. of Trials	Yield component			Yield (qt./ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	B:C ratio
		No. of effective tillers/m2	No. of grains/ Spike	(1000 grain wt.).in gm.					
Farmers practices:	10	160.6	30.4	31.6	32.8	28,300	69,600	41,300	2.46
T.O.1:	10	172.8	31.2	32.2	33.4	27,400	70,800	43,400	2.58
T.O.2:	10	176.2	31.6	32.8	34.6	27,800	73,400	45,600	2.64
CD at 5%					1.46				

Results: Data presenting in table showed that the maximum Wheat yield (34.6q/ha) was recorded in option TO.2 in comparison to farmer practice and TO.1 along with highest B:C ratio (2.64).

OFT-4 (Agronomy)

- **Thematic area: INM**
- **Problem definition/Name of OFT:Integration of fertilizer in different form on yield of lentil**

1.	Title of On farm Trial (OFT)	**Integration of fertilizer in different form on yield of lentil**
2.	Problem diagnosed	Injudicious use of chemical fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer's practices: Seed Treatment + RDF**. **T.O.1:** 50% of RDF + WS 18:18:18 @ 5 gm/lit. water (Single spray at pre flowering stage) **T.O.2:** Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @ 5 gm/lit. water (Single spray at pre flowering stage)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop dt. 1-3 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Rice-Wheat system, INM
6.	Performance of the Technology with performance indicators	Yield, No. of Plant/ m², 1000 grain wt., No. of Pod/plant, Strover yield & Economics
7.	Final recommendation for micro level situation	Use of bio-fertilizer & NPK is very effective in reducing dose of Chemical Fertilizer.
8.	Constraints identified and feedback for research	Use of bio-fertilizer &NPK is effective and remunerative method in reducing chemical fertilizer by enhancing fertilizer use efficiency.
9.	Process of farmers participation and their reaction	Farmers were very enthusiastic to see the performance of NPK & Bio-fertilizer in Lentil

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

Technology option	No. of Trials	Disease/Insect-pest incidence %	Yield component			Yield (qt./ha)	Cost of cultivation(Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	B:C ratio
			No. of plants/m2	No. of Pod /Plant	Test wt. (1000 grain wt.)					
Farmer's practices:	10	19.2	44.6	15.8	20.34	13.2	24600	72400	47800	2.94
T.O.1:	10	12.4	48.2	17.4	20.62	14.6	25200	78600	53400	3.12
T.O.2:	10	07.6	51.4	20.6	21.46	15.4	25400	82300	56900	3.24
CD at 5 %						0.92				

Results: Data presenting in table showed that the maximum Lentil yield (15.4q/ha) was recorded in option TO.2 in comparison to farmer practice and TO.1 along with highest B:C ratio (3.24).

OFT-5 (Horticulture)

- **Thematic area: RCT**
- **Problem definition/Name of OFT: Ex situ residue management in Potato cultivation**

1.	Title of On farm Trial (OFT)	**Ex situ residue management in Potato cultivation**
2.	Problem diagnosed	Requirement of frequent irrigation in potato
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practice :** Sowing in ridge and furrow method **T.O. 1 :**Sowing of potato seed with FYM and paddy straw (15 cm) **T.O. 2 :**Sowing of potato seed with FYM and water hyacinth (15 cm) (In TO1 & TO2, Foliar spray with 10:26:26, N:P:K as basal dose, 45 days after sowing spray with 19:19:19, N:P:K and third spray with 13:0:45, N:P:K)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization Workshop, 23-24 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Paddy- Potato (small production system), RCT
6.	Performance of the Technology with performance indicators	1. Germination percentage 2. Growth performance (visual) 3.Disease incidence 4. Weed population 5. Tuber Yield 6. Economics (Rs./ha)
7.	Final recommendation for micro level situation	T.O.1 (Sowing of Potato seed with FYM and paddy straw) had significant maximum potato yield of 289.06q/ha as well as maximum germination percentage as compared to FP & T.O.2
8.	Constraints identified and feedback for research	Collection of water hyacinth is labour consuming and tough process

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

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



Treatment	Germination (%)	Weed No./ m2	Plant height (cm)	Disease infestation (%)	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs /ha)	B:C
FP (Sowing in ridge and furrow method)	86.5	118	59.25	10	236.14	100826	188904	88078	1.87
T.O.1 (Sowing of Potato seed with FYM and paddy straw)	90.33	47	68.50	8	289.06	112500	231248	118748	2.05
T.O.2(Sowing of Potato seed with FYM and water hyacinth)	89.33	52	62.50	8.5	264.50	110400	211600	101200	1.91

Result: It is apparent from the table that the treatment T.O.1 (Sowing of Potato seed with FYM and paddy straw) had significant maximum potato yield of 289.06q/ha as well as maximum germination percentage (90.33%), minimum number of weeds per square meter (47), minimum disease infestation (8%) with highest B:C ratio (2.05) as compared to FP (Sowing in ridge and furrow method) and T.O.2 (Sowing of Potato seed with FYM and water hyacinth).

OFT-6 (Horticulture)

- **Thematic area: IDM**
- **Problem definition/Name of OFT:**Assessment of microbial consortia against wilting in tomato

1.	Title of On farm Trial (OFT)	Assessment of microbial consortia against wilting in tomato.
2.	Problem diagnosed	Reduction in yield of tomato due to wilting
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers' Practice – No use of chemical** **T.O. 1 :**IIHR consortia (Arka microbial consortia) **T.O. 2 :**NRC Litchi trichoderma
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	.IIHRBanglore & OFT Finalization Workshop, 23-24 Sept. 2022, BAU Sabour
5.	Production system and thematic area	Paddy- Tomato – Green gram (small production system), IDM
6.	Performance of the Technology with performance indicators	1.Initial plant population 2. First wilt incidence (DAT) 3.Wilting percentage at15,30,45,60 and 75 DAT 4. Yield (q/ha) 5. Economics (Rs./ha)
7.	Final recommendation for micro level situation	T:O:1 (IIHR Arka microbial consortia)had significant effect on tomato yield and other parameters
8.	Constraints identified and feedback for research	IIHR consortia (Arka microbial consortia)&NRC Litchi trichoderma are not easily available in local market
9.	Process of farmers participation and their reaction	Through field visit and training

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

Table 1: Yield and cost of cultivation of Tomato

Treatment	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs. /ha)	B:C Ratio
FP (Use of mancozeb)	279.86	98400	279860	181460	2.84
T:O:1 (Arka microbial Consortia)	317.01	103500	317010	217010	3.06
T:O:2 (NRC litchi Trichoderma	308.37	103100	308370	205270	2.99
C.D (5%)	22.86				
CV%	7.06				

Table 2: Initial Plant population, 1st wilt incidence and wilt percentage in Tomato Plant

Treatment	Initial plant population (100m2)	1st wilt incidence (DAT)	Wilt percentage				
			15 DAT	30 DAT	45 DAT	60 DAT	75 DAT
FP (Use of mancozeb)	360	10	5.27	10.83	15.27	22.22	30.16
T:O:1 (Arka microbial Consortia)	365	13	2.19	3.83	6.30	11.50	13.42
T:O:2 (NRC litchi Trichoderma	365	12	3.01	6.84	10.41	13.42	15.61

Table 3: Total number of Tomato Plants wilted (100m2)

Treatment	Number of Tomato Plant wilted				
	15 DAT	30 DAT	45 DAT	60 DAT	75 DAT
FP (Use of mancozeb)	19	39	55	80	108
T:O:1 (Arka microbial Consortia)	08	14	23	42	49
T:O:2 (NRC litchi Trichoderma	11	25	38	49	57

Result: It is apparent from the table that the treatment T:O:1 (Use of Arka microbial consortia) had significant maximum tomato yield 317.01 q/ha as well as minimum wilt infestation (13.42) with highest B:C ratio (3.06) as compared to farmer practice (use of mancozeb fungicide) and T:O:2 (use of NRC Litchi Trichoderma).

OFT-7 (Plant Pathology)

- **Thematic area:** Integrated Pest Management
- **Problem definition/Name of OFT:**Necrosis and reduction of leaf photosynthetic area

1.	Title of On farm Trial (OFT)	**Assessment of different fungicides for management of Spot blotch of Wheat**
2.	Problem diagnosed	Loss in onion production due to heavy incidence of Stemphylim blight in Lakhisarai district.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmer Practices** : Bavistin @ 2.5 g/Lit at the time of disease appearance **T.O.1** : • Seed treatment with Vitavax 200WS @ 2.5g/Kg • Seed + Foliar spray of Propiconazole @ ml/Lit water first at boot leaf and second spray 20 days after first spray **T.O.2** : • Seed treatment with *Trichoderma viridae*@ 5g/Kg • Seed+Foliar spray of Hexaconazole @ 1ml/Lit water first at boot leaf stage and second spray 20 days after first spray **T.O.3** :No treatment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	UBKV, Cooch Behar, West Bengal
5.	Production system and thematic area	Rice-Wheat production system
6.	Performance of the Technology with performance indicators	Disease severity, Yield, B:C ratio
7.	Final recommendation for micro level situation	TO-1 is recommended for farmers as it has least disease and high BC ratio
8.	Constraints identified and feedback for research	

9.	Process of farmers participation and their reaction	Training and demonstration

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

Technical Options	No of trials	Test wt. (1000 grain wt.)	Disease incidence (%)	Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	BC ratio
FP	5	38.4[b]	18.3[b]	20.2[b]	32500	42384	9884	1.30
TO1	5	41.2[a]	11.8[a]	24.5[c]	33900	50640	16740	1.49
TO2	5	37.2[b]	17.5[b]	21.4[b]	34200	46608	12408	1.36
TO3	5	32.4[c]	22.3[c]	18.5[a]	32400	39120	6720	1.20
	CD@5%	2.88	3.55	3.55				
	CV	4.04	4.98	8.69				

Result: TO1 i.e. seed treatment with Vitavax followed by foliar spray with Propiconazole results in least disease incidence, highest yield and BC ratio. Hence, TO1 is recommended to farmers against Spot blotch of Wheat.

OFT-8 (Plant Pathology)

- **Thematic area:** Integrated Pest management
- **Problem definition/Name of OFT:**Wilting of tomato crop in large scale

1.	Title of On farm Trial (OFT)	**Assessment of bio-intensive management of wilt disease in tomato crop**
2.	Problem diagnosed	Wilting of tomato crop in large scale
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practice**: Seed treatment **T.O.1**: • Soil solarization • Seed treatment by Pseudomonas fluorescens @10g/kg • Nursery bed treatment of Trichoderma @50g/m^2 • Soil application of Pseudomonas fluorescens @5kg/ha mixed with 500 kg vermicompost per hectare @30 DAT

		T.O.2: • Soil solarization • Seed treatment by *Trichoderma viridae* 10 g/kg • Nursery bed treatment of *Trichoderma viridae*@50g/m^2 • Soil application of *Trichoderma viridae* @5 kg/ha mixed with 500 kg vermicompost per hectare @30 DAT **T.O.3** : • No treatment
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Banglore
5.	Production system and thematic area	Rain fed & Crop Production
6.	Performance of the Technology with performance indicators	Disease incidence, Yield & B:C ratio
7.	Final recommendation for micro level situation	T.O.1 is recommended to farmers as ithas shown least disease incidence and high BC ratio
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training and Demonstration

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

Technology option	**No. of trials**	**Disease Incidence (%)**	**Plant Mortality**				**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
			30 DAT	45 DAT	60 DAT	75 DAT					
FP	5	20.3	11.4	14.4	21.4	23.4	330	95200	297000	201800	3.12
TO1	5	18.5	7.9	12.4	18.5	22.2	360	95300	324000	228700	3.40
TO2	5	19.4	9.6	13.6	20.4	23.5	340	95700	306000	210300	3.20
TO3	5	23.4	12.6	15.6	23.4	26.5	310	94500	279000	184500	2.95

Result: It is apparent from table TO1 had lease disease incidence (18.5) with highest BC ration i.e. 3.40 as compared to TO2, FP and TO3. Therefore TO1 is recommended to farmers.

OFT-9 (Home Science)

Thematic area: Value Addition

Problem definition/Name of OFT: Assessment of preparation methods of tomato (*Solanum lycopersicum L.*) pulp for increasing shelf life and instant use

1.	Title of On farm Trial (OFT)	**Assessment of preparation methods of tomato (*Solanum lycopersicum L.*) pulp for increasing shelf life and instant use**
2.	Problem diagnosed	Lack of knowledge about tomato pulp preparation and its preservation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	F.P.: Not in practice to prepare tomato pulp for instant use T.O.1 : Tomato puree preparation (with extraction of seed and skin) T.O.2 : Tomato crush preparation (from whole fruits)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour
5.	Production system and thematic area	Value Addition
6.	Performance of the Technology with performance indicators	i. Product recovery (gm/kg raw tomato) ii. Sensory Analysis: a)Taste b) Texture c) Colour d) Flavour e) Overall Acceptability 3. Shelf life (0, 15, 30, 45, 60 and 75 days)
7.	Final recommendation for micro level situation	T.O.2 : Tomato crush preparation (from whole fruits)
8.	Constraints identified and feedback for research	Preservatives are not locally available
9.	Process of farmers participation and their reaction	Demonstration &Training

Table.1: Product recovery and Sensory Analysis of Technologies at different time interval

Thematic area	Product Recovery **(gm/kg raw potato)**			Sensory characteristics	**Taste**		**Texture**		**Colour**		**Flavour**		**Overall acceptability**	
Value Addition	FP	T.O. 1	T.O. 2	Duration	T.O.1	T.O.2	T.0.1	T.O. 2	T.O.1	T.O. 2	T.O.1	T.0. 2	T.O.1	T.O.2
	-	150	290	4.6	4.2	4.4	4.5	4.4	4.6	4.7	4.4	4.5	4.425	4.5
				15 Days	4.2	4.4	4.5	4.4	4.6	4.7	4.3	4.5	4.4	4.5
				30 Days	4.2	4.4	4.5	4.4	4.6	4.7	4.3	4.5	4.4	4.5
				45 Days	4.2	4.4	4.5	4.3	4.6	4.7	4.3	4.5	4.4	4.475
				60 Days	4.1	4.3	4.5	4.3	4.5	4.6	4.2	4.4	4.325	4.4
				75 Days	4.1	4.3	4.4	4.3	4.5	4.6	4.2	4.4	4.3	4.4

*Respondents feedback (5 point scale Hedonic Scale)

Result: It is apparent from the table, overall acceptability score of T.O.2 is more than that of T.O.1 at 0days as well as over the period of 15, 30, 45, 60 and 75 days. The product recovery from the T.O.2 i.e. tomato crush (from whole fruits) is about 93.3 percent more than that of T.O.1. Therefore, T.O.2 is recommended for farmers for preparation and preservation of tomato pulp.

OFT-10 (Home Science)

- **Thematic area: Value Addition**
- **Problem definition/Name of OFT: Assessment of preparation methods of Potato Flakes for more shelf life & enhancement of income**

1.	Title of On farm Trial (OFT)	**Assessment of preparation methods of Potato Flakes for more shelf life & enhancement of income**
2.	Problem diagnosed	Lack of knowledge about value addition of potato flakes for income enhancement
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers' Practice:** Preparation of potato flakes without preservatives **T.O. 1 :**Preparation of Potato Flakes **Formulation – Ingredients** Sliced potatoes (3-5mm) – 5.0Kg, Salt 50g, Water-7.5 liter, KMS- 6.0g **T.O. 2 :**Preparation of Potato Flakes with sour taste. **Formulation – Ingredients** Sliced potatoes (3-5mm) – 5.0kg, Salt-50g, Water-7.5 liter, KMS- 6.0g, Glacial Acetic acid - 50.0ml
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization Workshop, 14-15 Sept. 2022, RAU, Pusa
5.	Production system and thematic area	Value Addition
6.	Performance of the Technology with performance indicators	Sensory Analysis: (Fried in edible refined oil) i. Taste ii. Texture (Crispness) iii. Colour iv. Flavour v. Overall Acceptability 2. Shelf life (0, 15, 30, 45, 60 and 75 days)
7.	Final recommendation for micro level situation	T.O.2 i.e. Preparation of Potato flakes with sour taste is recommended for micro-level situation
8.	Constraints identified and feedback for research	Preservatives are not locally available
9.	Process of farmers participation and their reaction	Demonstration & Training

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

Table.1: Sensory Analysis of Technologies at different time interval

Sensory characteristics	**Taste**	**Texture**	**Colour**	**Flavour**	**Overall acceptability**

Duration	FP	T.O.1	T.O.2	FP	T.0.1	T.O.2	FP	T.O.1	T.O.2	FP	T.O.1	T.0.2	FP	T.O.1	T.O.2
0 Day	4.4	4.5	4.8	4.3	4.4	4.7	4.3	4.5	4.6	4.1	4.4	4.7	4.275	4.45	4.7
15 Days	4.4	4.5	4.8	4.3	4.4	4.7	4.2	4.5	4.6	4.1	4.4	4.7	4.25	4.45	4.7
30 Days	4.4	4.5	4.8	4.3	4.4	4.7	4.2	4.5	4.6	4.1	4.4	4.7	4.25	4.45	4.7
45 Days	4.3	4.5	4.7	4.2	4.4	4.6	4.1	4.4	4.6	4.1	4.3	4.6	4.175	4.4	4.6
60 Days	4.2	4.4	4.6	4.2	4.4	4.6	4.1	4.4	4.5	4	4.3	4.6	4.125	4.375	4.575
75 Days	4.2	4.2	4.5	4.1	4.2	4.5	4.1	4.3	4.4	4	4.2	4.5	4.1	4.225	4.475

*Respondents feedback (5 point scale Hedonic Scale)

Result: Table shows that overall acceptability score of T.O.2 is more than that of T.O.1 and farmers practice at 0 days as well as over the period of 15, 30, 45, 60 and 75 days. Beside this, the colour and flavour superiority of T.0.2 over T.0.1 and farmers practice may have potential for marketing to enhance their income.

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 (q/ha)	Yield in check (q/ha)
	Cereals – Paddy (S. Sampann)	**1**	**8**	**20**	**54**	**42**
	Oil Seed					
	Pulses					
	Horticulture Crops-Onion	**1**	**1**	**8**	Ongoing	Ongoing
	Horticulture Crops- Herbicide in onion	**1**	**2**	**10**	Ongoing	Ongoing
	Horticulture Crops-Tomato	**1**	**1**	**29**	Ongoing	Ongoing
	Other crops					
	Hybrid crop					
	Livestock					
	Fisheries					
	Other enterprises-Milky White	**1**		**5**	770gm/Kg straw	**-**
	Women empowerment – Nutritional Garden	**1**		**40**	292.50 Kg	118.625Kg
	Farm Machinery					
	Grand Total					

B. Details of FLDs conducted during the year 2023

1. Cereals

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy (SCSP)	ICM	Improved Var.SabourSampann	20	8	54	42	28.57	45600	113400	67800	2.48	45800	88200	42400	1.92
Wheat 2022-23	Biofortified	Biofortified var. HUW-838	13	5	46.8	42.6	9.86	32600	109200	76600	3.35	31800	96500	64700	3.03

Wheat 2022-23	Weed Management.	Herbicide (Sulphosulphuran+ Metassulphuran)	25	10	38.4	33.5	14.63	31400	83600	52200	2.66	30600	72400	41800	2.37
Total															

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		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

3. Pulses

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lentil (SCSP prog)	ICM	IPL-220 (Biofortified Variety)	5	2	12.4	11.2	10.71	21800	63240	41440	2.901	20600	57120	36520	2.773
	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.

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	IPM	Kashi Vishesh+Nucleopolyhedral Virus	16	1	360	305	15.27	98600	324000	225400	3.286	95600	274500	178900	2.871
Tomato	ICM	Var. Kashi Vishesh	82	2	352.50	298.60	18.05	102500	352500	250000	3.43	98400	298600	200200	3.03
Tomato	ICM	Var. Arka Rakshak	8	0.5	423.6	355.6	19.12	99800	381240	281440	3.82	98500	320040	221540	3.24
Onion	ICM	Var. NHRDF red-3	13	0.5	321.48	267.20	20.31	145600	385776	240176	2.65	140500	320640	180140	2.28
Onion	Weed Mgt.	Herbicide-Pendimethylin& Oxyfluorfen	8	1.6	288	268.80	7.14	140500	322560	182060	2.29	145600	345600	200000	2.37
	Total		128												

* 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

5. Other crops

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

	Total			

6. Demonstration details on crop hybrid varieties

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./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										
Tomato										
Brinjal										

Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
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

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	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)																	
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

8. Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	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

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Button mushroom	Enterprise development	5	5			Introduction			2683	6000	3317	2.23				
Milky White Mushroom		5	5	Mushroom production in summer	-	Introduction	770 gm/Kg Straw	-	4000	8855	4855	2.21				
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total		10	10													

* 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	Observations		No. of Beneficiaries
			Check	**Demonstration**	
Women					
Drudgery Reduction (SCSP)	100	Functional Clothing Kit	More health hazards like infection and redness, etching in face, neck and other exposed part of women involved in harvesting of paddy.	Minimum health hazards like infection and redness, etching in face, neck and other exposed part of women involved in harvesting of paddy and work efficiency is also increased.	100
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden	40	Nutritional garden kit containing seeds of vegetables and GLVs (Summer+*Kharif*+*Rabi*)	Availability of only 2-3 types of vegetables in family	Availability of various type of vegetables and green leafy vegetables in food basket of families.	40
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					

Total others					
Grand Total	140	0			140

11. Farm implements and machinery

Category	**No. of FLDs**	**Name of the implement**	**Crop**	**No. of Farmer**	**Area (ha)**	**Filed observation (output/man hour)**		**% change in major parameter**	**Labor reduction (man days)**	**Cost reduction (Rs./ha or Rs./Unit)**
						Demonstration	**Check**			
Sowing and planting tools and machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others										

* 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

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	31.03.2023	1	65	CSISA
2.	Farmers Training	03.01.2023	1	27	Onion
		03.04.2023	1	17	Nutritional garden
		24.07.2023	1	35	Nutritional garden
		28.08.2023	1	30	Nutritional garden
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	**Crop**	**Feed Back**
1	Tomato (NPV)	Satisfactory reduction of tomato fruit borer in tomato
2.	Bio-fortified wheat	Highly satisfied
2	Paddy (Sabour Sampann)	Less attack of brown plant hopper in comparison to local varieties
3	Milky White Mushroom	Positive Feedback from farmer with new variety of mushroom
4	Nutritional Garden	High level of satisfaction towards better health and nutrition
5	Tomato	High level of satisfaction due to yield
6	Onion (NHRDF Red-3)	Positive feedback

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 name	Existing yield (q/ha) 7 years	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Pigeon pea	MaghuaArhar	10.0	1.0	0.5	9.0	IPA-203, Rajendra Arhar-1+Glycel +Fame+ Chloropyriphos 20EC	50	20.0	20.0	18.0	19.0	93	96	43
2.	Lentil	Mithua Masoor	8.0	1.18	0.50	6.0	IPL-316+Chloropyriphos 20EC+Saff+Boron +Zinc	75	30.0	18.0	14.0	16.0	134	6.25	25
3.	Gram	Desi Chana	8.0	1.5	3.0	4.0	RVG-202+ Tricoderma	77	30.0	18.0	12.0	15.0	50	62	81
4.	Rapeseed & Mustard	Banarsi Rai	10.0	2.70	3.50	4.0	RH-725+ Imidachloprid 17.8SL+Zinc	75	30.0	15.0	12.0	13.5	73	65	60
5.	Green Gram	Desi Moong	8.0	1.5	3.0	4.0	Shikha+Boron+Zinc +Chloropyriphos 20EC	112	20.0	12.0	10.0	11.0	20	15	25

2. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	IPA-203, Rajendra Arhar-1+Glycel +Fame+ Chloropyriphos 20EC	26,046	58,000	31,960	2.23	26,046	69,600	43,554	2.67
2	IPL-316+Chloropyriphos 20EC+Saff+Boron +Zinc	49,560	52,600	3,040	1.06	49,560	64,800	15,240	1.31
3	RVG-202+ Tricoderma	23,200	48,750	25,550	2.10	23,200	68,250	45,050	2.94
4	RH-725+ Imidachloprid 17.8SL+Zinc	9000	36,000	27,000	4.0	9000	54,000	45,000	6.0
5	Shikha+Boron+Zinc +Chloropyriphos 20EC	25,166	40,000	14,834	1.59	25,166	60,000	34,834	2.38

3. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Pigeon pea var. IPA-203, Rajendra Arhar-1	19000	500	58.00	10	250	Family monthly exp. Meet out	50
2	Lentil var-IPL-316	16000	350	48.00	75	215	Family monthly exp. Meet out	20
3	Gram var. RVG-202	15000	400	48.00	100	100	Family monthly exp. Meet out	20
4	Rapeseed & Mustard var. RH-725	40500	400	30.00	10	130	Family maintenance and welfare	10
5	Green Gram var. Shikha	22000	300	70.00	10	130	Family monthly exp. Meet out	25

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	IPA-203, Rajendra Arhar-1+Glycel +Fame+ Chloropyriphos 20EC	Yes	Best	Affordable	No	Yes	No
2	IPL-316+Chloropyriphos 20EC+Saff+Boron +Zinc	Yes	Best	Affordable	No	Yes	No
3	RVG-202+ Tricoderma	Yes	Best	Affordable	No	Yes	No
4	RH-725+ Imidachloprid 17.8SL+Zinc	Yes	Best	Affordable	No	Yes	No
5	Shikha+Boron+Zinc +Chloropyriphos 20EC	Yes	Best	Affordable	No	Yes	No

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field day on Mustard var. RH. 725, Gram var. RVG-202 & Lentil var. IPL-316	03.03.2023, Raghunandan Bigha	50
2.	Field day on Mustard var. RH. 725, Gram var. RVG-202 & Lentil var. IPL-316	03.03.2023, Pratappur	32
3.	Field day on Gram var. RVG-202	20.03.2023, Garhi Bishanpur	65

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

Sl. No.	Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1.	Pigeon pea	i) Critical input	36,080.00	1,75,008.00	-138928.00
		ii) TA/DA/POL etc. for monitoring	3,520.00	2,892.00	628.00
		iii) Extension Activities (Field Day)	0.00	0.00	0.00
		iv) Publication of literature	0.00	0.00	0.00
		Sub Total	**39,600.00**	**1,77,900.00**	**-1,38,300.00**
2.	Lentil	i) Critical input	54,120.00	2,65,974.00	-2,11,854.00
		ii) TA/DA/POL etc. for monitoring	5,280.00	2,892.00	2,388.00
		iii) Extension Activities (Field Day)	0.00	0.00	0.00
		iv) Publication of literature	0.00	0.00	0.00
		Sub Total	**59,400.00**	**2,68,866.00**	**-2,09,466.00**
3.	Gram (Chickpea)	i) Critical input	54,120.00	2,43,000.00	-1,88,880.00
		ii) TA/DA/POL etc. for monitoring	5,280.00	6,292.00	-1,012.00
		iii) Extension Activities (Field Day)	0.00	0.00	0.00
		iv) Publication of literature	0.00	0.00	0.00
		Sub Total	**59,400.00**	**2,49,292.00**	**-1,89,892.00**
4.	Green Gram	i) Critical input	36,080.00	1,62,000.00	-1,25,920.00

		ii) TA/DA/POL etc. for monitoring	3,520.00	595.00	2,925.00
		iii) Extension Activities (Field Day)	0.00	0.00	0.00
		iv) Publication of literature	0.00	0.00	0.00
		Sub Total	**39,600.00**	**1,62,595.00**	**-1,22,995.00**
5.	Rapeseed & Mustard	i) Critical input	87,480.00	1,64,011.00	-76,531.00
		ii) TA/DA/POL etc. for monitoring	9,720.00	5,092.00	4,628.00
		iii) Extension Activities (Field Day)	0.00	0.00	0.00
		iv) Publication of literature	0.00	0.00	0.00
		Sub Total	**97,200.00**	**1,69,103.00**	**-71,903.00**
6.	Technology Agent		13,200.00	60,000.00	-46,800.00
		Grand Total	**3,08,400.00**	**10,87,756.00**	**7,79,356.00**

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)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production				0			0			0	0	0	0
Weed Management				0			0			0	0	0	0
Resource Conservation Technologies	5	103		103	14		14			0	117	0	117
Cropping Systems				0			0			0	0	0	0
Crop Diversification				0			0			0	0	0	0
Integrated Farming				0			0			0	0	0	0
Water management				0			0			0	0	0	0
Seed production	15	340	25	365	16	3	19			0	356	28	384
Nursery management				0			0			0	0	0	0
Integrated Crop Management	1	24		24	5		5			0	29	0	29
Fodder production				0			0			0	0	0	0
Production of organic inputs				0			0			0	0	0	0
Others, (cultivation of crops)													
II. Horticulture				0			0			0	0	0	0
a) Vegetable Crops				0			0			0	0	0	0
Integrated nutrient management	2	24	23	47		3	3			0	24	26	50
Water management				0			0			0	0	0	0
Enterprise development				0			0			0	0	0	0
Skill development				0			0			0	0	0	0
Yield increment				0			0			0	0	0	0
Production of low volume and high value crops				0			0			0	0	0	0
Off-season vegetables				0			0			0	0	0	0
Nursery raising	2	43	5	48	4	5	9			0	47	10	57
Export potential vegetables				0			0			0	0	0	0
Grading and standardization				0			0			0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	2	42		42	6	6	12			0	48	6	54
Others, if any (Cultivation of Vegetable)	4	86	17	103	19	5	24			0	105	22	127
Training and pruning				0			0			0	0	0	0
b) Fruits				0			0			0	0	0	0
Layout and Management of Orchards	1			0		25	25			0	0	25	25
Cultivation of Fruit	1			0		42				0	0	42	42
Management of young plants/orchards	1	15	5	20	4	3	7			0	19	8	27
Rejuvenation of old orchards				0			0			0	0	0	0
Export potential fruits				0			0			0	0	0	0
Micro irrigation systems of orchards				0			0			0	0	0	0
Plant propagation techniques				0			0			0	0	0	0
Others, if any(INM)				0			0			0	0	0	0
c) Ornamental Plants				0			0			0	0	0	0
Nursery Management				0			0			0	0	0	0
Management of potted plants				0			0			0	0	0	0
Export potential of ornamental plants	1	24	1	25			0			0	24	1	25
Propagation techniques of Ornamental Plants				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
d) Plantation crops				0			0			0	0	0	0
Production and Management technology				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
e) Tuber crops				0			0			0	0	0	0
Production and Management technology	1	25	2	27	1	2	3			0	26	4	30
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
f) Spices				0			0			0	0	0	0
Production and Management technology				0			0			0	0	0	0
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
g) Medicinal and Aromatic Plants				0			0			0	0	0	0
Nursery management				0			0			0	0	0	0
Production and management technology				0			0			0	0	0	0
Post-harvest technology and value addition													
Others, if any				0			0			0	0	0	0
III. Soil Health and Fertility Management				0			0			0	0	0	0
Soil fertility management				0			0			0	0	0	0
Soil and Water Conservation				0			0			0	0	0	0
Integrated Nutrient Management	5	93	30	123	18	4	22			0	111	34	145
Production and use of organic inputs				0			0			0	0	0	0
Management of Problematic soils				0			0			0	0	0	0
Micro nutrient deficiency in crops				0			0			0	0	0	0
Nutrient Use Efficiency				0			0			0	0	0	0
Soil and Water Testing				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
IV. Livestock Production and Management				0			0			0	0	0	0
Dairy Management				0			0			0	0	0	0
Poultry Management				0			0			0	0	0	0
Piggery Management				0			0			0	0	0	0
Rabbit Management				0			0			0	0	0	0
Disease Management				0			0			0	0	0	0
Feed management				0			0			0	0	0	0
Production of quality animal products				0			0			0	0	0	0
Others, if any Goat farming				0			0			0	0	0	0
V. Home Science/Women empowerment				0			0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	7	41	102	143	3	96	99			0	44	198	242
Design and development of low/minimum cost diet				0			0			0	0	0	0
Designing and development for high nutrient efficiency diet	2		38	38		17	17			0	0	55	55
Minimization of nutrient loss in processing	1		9	9		15	15			0	0	24	24
Gender mainstreaming through SHGs				0			0			0	0	0	0
Storage loss minimization techniques				0			0			0	0	0	0
Enterprise development				0			0			0	0	0	0
Value addition	4	65	9	74	5	31	36			0	70	40	110
Income generation activities for empowerment of rural Women				0			0			0	0	0	0
Location specific drudgery reduction				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technologies													
Rural Crafts	1			0		38	38			0	0	38	38
Capacity building				0			0			0	0	0	0
Women and child care	2		27	27		38	38			0	0	65	65
Others, if any				0			0			0	0	0	0
VI. Agril. Engineering				0			0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0			0	0	0	0
Use of Plastics in farming practices				0			0			0	0	0	0
Production of small tools and implements				0			0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0			0	0	0	0
Small scale processing and value addition				0			0			0	0	0	0
Post-Harvest Technology				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
VII. Plant Protection				0			0			0	0	0	0
Integrated Pest Management	5	35	5	40	24	68	92						
Integrated Disease Management	4	9	3	12	2	69	71						
Bio-control of pests and diseases	1	2	11	13	1	10	11			0	3	21	24
Production of bio control agents and bio pesticides				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
VIII. Fisheries				0			0			0	0	0	0
Integrated fish farming				0			0			0	0	0	0
Carp breeding and hatchery management				0			0			0	0	0	0
Carp fry and fingerling rearing				0			0			0	0	0	0
Composite fish culture & fish disease				0			0			0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond				0			0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0			0	0	0	0
Breeding and culture of ornamental fishes				0			0			0	0	0	0
Portable plastic carp hatchery				0			0			0	0	0	0
Pen culture of fish and prawn				0			0			0	0	0	0
Shrimp farming				0			0			0	0	0	0
Edible oyster farming				0			0			0	0	0	0
Pearl culture				0			0			0	0	0	0
Fish processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
IX. Production of Inputs at site				0			0			0	0	0	0
Seed Production				0			0			0	0	0	0
Planting material production				0			0			0	0	0	0
Bio-agents production				0			0			0	0	0	0
Bio-pesticides production				0			0			0	0	0	0
Bio-fertilizer production				0			0			0	0	0	0
Vermi-compost production				0			0			0	0	0	0
Organic manures production				0			0			0	0	0	0
Production of fry and fingerlings				0			0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0			0	0	0	0
Small tools and implements				0			0			0	0	0	0
Production of livestock feed and				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
fodder													
Production of Fish feed				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
X. Capacity Building and Group Dynamics				0			0			0	0	0	0
Leadership development				0			0			0	0	0	0
Group dynamics				0			0			0	0	0	0
Formation and Management of SHGs				0			0			0	0	0	0
Mobilization of social capital				0			0			0	0	0	0
Entrepreneurial development of farmers/youths				0			0			0	0	0	0
WTO and IPR issues				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
XI Agro-forestry				0			0			0	0	0	0
Production technologies				0			0			0	0	0	0
Nursery management				0			0			0	0	0	0
Integrated Farming Systems				0			0			0	0	0	0
XII. Others (Pl. Specify)				0			0			0	0	0	0
TOTAL	**68**	**971**	**312**	**1283**	**122**	**480**	**560**	**0**	**0**	**0**	**1023**	**647**	**1670**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	10	7	17	3	3	6			0	13	10	23
Bee-keeping				0			0			0	0	0	0
Integrated farming				0			0			0	0	0	0
Seed production	6	51	10	61	31	2	33			0	82	12	94
Production of organic inputs				0			0			0	0	0	0
Integrated Farming	1	17		17	5		5			0	22	0	22
Planting material production	1	5		5	18		18			0	23	0	23
Vermi-culture				0			0			0	0	0	0
Sericulture				0			0			0	0	0	0
Protected cultivation of vegetable crops				0			0			0	0	0	0
Commercial fruit production				0			0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0			0	0	0	0
Nursery Management of Horticulture crops	1	11		11		4	4			0	11	4	15
Training and pruning of orchards				0			0			0	0	0	0
Value addition	1		6	6		10	10			0	0	16	16
Production of quality animal products				0			0			0	0	0	0
Dairying				0			0			0	0	0	0
Sheep and goat rearing				0			0			0	0	0	0
Quail farming				0			0			0	0	0	0
Piggery				0			0			0	0	0	0
Rabbit farming				0			0			0	0	0	0
Poultry production				0			0			0	0	0	0
Ornamental fisheries				0			0			0	0	0	0
Enterprise development				0			0			0	0	0	0
Para vets				0			0			0	0	0	0
Para extension workers				0			0			0	0	0	0
Composite fish culture				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Freshwater prawn culture				0			0			0	0	0	0
Shrimp farming				0			0			0	0	0	0
Pearl culture				0			0			0	0	0	0
Cold water fisheries				0			0			0	0	0	0
Fish harvest and processing technology				0			0			0	0	0	0
Fry and fingerling rearing				0			0			0	0	0	0
Small scale processing				0			0			0	0	0	0
Post-Harvest Technology				0			0			0	0	0	0
Tailoring and Stitching				0			0			0	0	0	0
Rural Crafts				0			0			0	0	0	0
TOTAL	**11**	**94**	**23**	**117**	**57**	**19**	**76**	**0**	**0**	**0**	**151**	**42**	**193**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops				0			0				0	0	0
Integrated Pest Management	1	16	3	19	1	0	1	0	0	0	17	3	20
Integrated Nutrient management				0			0				0	0	0
Rejuvenation of old orchards				0			0				0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	1	17	0	17	5	0	5	0	0	0	22	0	22
Formation and Management of SHGs	1	5	0	5	18	0	18	0	0	0	23	0	23
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements				0			0				0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	1	11	0	11	0	4	4	0	0	0	11	4	15
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	1	16	3	19	1		1				17	3	20
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**5**	**65**	**6**	**71**	**25**	**4**	**29**	**0**	**0**	**0**	**90**	**10**	**100**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	17	474	31	505	1		1			0	475	31	506
Resource Conservation Technologies	13	449	151	600	18	7	25			0	467	158	625
Cropping Systems				0			0			0	0	0	0
Crop Diversification				0			0			0	0	0	0
Integrated Farming				0			0			0	0	0	0
Water management	1	58	6	64	5	3	8			0	63	9	72
Seed production				0			0			0	0	0	0
Nursery management				0			0			0	0	0	0
Integrated Crop Management	20	549	145	694	38	33	71			0	587	178	765
Fodder production				0			0			0	0	0	0
Production of organic inputs				0			0			0	0	0	0
Others, (cultivation of crops)	13	500	31	531	29	23	52			0	529	54	583
II. Horticulture				0			0			0	0	0	0
a) Vegetable Crops				0			0			0	0	0	0
Integrated nutrient management	1	18	4	22	2	4	6			0	20	8	28
Water management				0			0			0	0	0	0
Enterprise development				0			0			0	0	0	0
Skill development				0			0			0	0	0	0
Yield increment	1	16	8	24	1	2	3			0	17	10	27
Production of low volume and high value crops	1	17	8	25	1	3	4			0	18	11	29
Off-season vegetables				0			0			0	0	0	0
Nursery raising	2	27	7	34	15	5	20			0	42	12	54
Export potential vegetables				0			0			0	0	0	0
Grading and standardization				0			0			0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)				0			0			0	0	0	0
Others, if any (Cultivation of Vegetable)	5	171	14	185	8	36	44			0	179	50	229
Training and pruning				0			0			0	0	0	0
b) Fruits				0			0			0	0	0	0
Layout and Management of Orchards	3	16	7	23	6	27	33			0	22	34	56
Cultivation of Fruit	4	45	3	48	25	24	49			0	70	27	97
Management of young plants/orchards				0			0			0	0	0	0
Rejuvenation of old orchards				0			0			0	0	0	0
Export potential fruits				0			0			0	0	0	0
Micro irrigation systems of orchards				0			0			0	0	0	0
Plant propagation techniques	1	26	4	30	2	2	4			0	28	6	34
Others, if any(INM)	1	18	4	22	2	4	6			0	20	8	28
c) Ornamental Plants				0			0			0	0	0	0
Nursery Management				0			0			0	0	0	0
Management of potted plants				0			0			0	0	0	0
Export potential of ornamental plants				0			0			0	0	0	0
Propagation techniques of Ornamental Plants				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
d) Plantation crops				0			0			0	0	0	0
Production and Management technology				0			0			0	0	0	0
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
e) Tuber crops				0			0			0	0	0	0
Production and Management				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technology													
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
f) Spices				0			0			0	0	0	0
Production and Management technology				0			0			0	0	0	0
Processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
g) Medicinal and Aromatic Plants				0			0			0	0	0	0
Nursery management				0			0			0	0	0	0
Production and management technology	2	36	7	43	7	9	16			0	43	16	59
Post-harvest technology and value addition	1	17	3	20	18	4	22			0	35	7	42
Others, if any				0			0			0	0	0	0
III. Soil Health and Fertility Management				0			0			0	0	0	0
Soil fertility management				0			0			0	0	0	0
Soil and Water Conservation				0			0			0	0	0	0
Integrated Nutrient Management	10	366	62	428	7	8	15			0	373	70	443
Production and use of organic inputs				0			0			0	0	0	0
Management of Problematic soils				0			0			0	0	0	0
Micro nutrient deficiency in crops				0			0			0	0	0	0
Nutrient Use Efficiency				0			0			0	0	0	0
Soil and Water Testing				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
IV. Livestock Production and Management				0			0			0	0	0	0
Dairy Management				0			0			0	0	0	0
Poultry Management				0			0			0	0	0	0
Piggery Management				0			0			0	0	0	0
Rabbit Management				0			0			0	0	0	0
Disease Management				0			0			0	0	0	0
Feed management				0			0			0	0	0	0
Production of quality animal products				0			0			0	0	0	0
Others, if any Goat farming				0			0			0	0	0	0
V. Home Science/Women empowerment				0			0			0	0	0	0
Household food security by kitchen gardening and nutrition gardening	13	61	100	161	4	215	219			0	65	315	380
Design and development of low/minimum cost diet	2		43	43	4	18	22				4	61	65
Designing and development for high nutrient efficiency diet	1	34	10	44	8		8			0	42	10	52
Minimization of nutrient loss in processing				0			0			0	0	0	0
Gender mainstreaming through SHGs				0			0			0	0	0	0
Storage loss minimization techniques	1	7	4	11	9	5	14			0	16	9	25
Enterprise development	1			0		50	50			0	0	50	50
Value addition	9	240	29	269	13	69	82			0	253	98	351
Income generation activities for empowerment of rural Women				0			0			0	0	0	0
Location specific drudgery reduction technologies	2			0		79	79			0	0	79	79
Rural Crafts				0			0			0	0	0	0
Capacity building				0			0			0	0	0	0
Women and child care	1	27		27			0			0	27	0	27

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any				0			0			0	0	0	0
VI. Agril. Engineering				0			0			0	0	0	0
Installation and maintenance of micro irrigation systems				0			0			0	0	0	0
Use of Plastics in farming practices				0			0			0	0	0	0
Production of small tools and implements				0			0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0			0	0	0	0
Small scale processing and value addition				0			0			0	0	0	0
Post-Harvest Technology				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
VII. Plant Protection				0			0			0	0	0	0
Integrated Pest Management	11	27		27	24	174	198			0	51	174	225
Integrated Disease Management	6	171	54	225	8	85	93			0	179	139	318
Bio-control of pests and diseases				0			0			0	0	0	0
Production of bio control agents and bio pesticides				0			0			0	0	0	0
Others, if any	1	16	3	19			0			0	16	3	19
VIII. Fisheries				0			0			0	0	0	0
Integrated fish farming				0			0			0	0	0	0
Carp breeding and hatchery management				0			0			0	0	0	0
Carp fry and fingerling rearing				0			0			0	0	0	0
Composite fish culture & fish disease				0			0			0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond				0			0			0	0	0	0
Hatchery management and culture of freshwater prawn				0			0			0	0	0	0
Breeding and culture of ornamental fishes				0			0			0	0	0	0
Portable plastic carp hatchery				0			0			0	0	0	0
Pen culture of fish and prawn				0			0			0	0	0	0
Shrimp farming				0			0			0	0	0	0
Edible oyster farming				0			0			0	0	0	0
Pearl culture				0			0			0	0	0	0
Fish processing and value addition				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
IX. Production of Inputs at site				0			0			0	0	0	0
Seed Production				0			0			0	0	0	0
Planting material production				0			0			0	0	0	0
Bio-agents production				0			0			0	0	0	0
Bio-pesticides production				0			0			0	0	0	0
Bio-fertilizer production				0			0			0	0	0	0
Vermi-compost production				0			0			0	0	0	0
Organic manures production				0			0			0	0	0	0
Production of fry and fingerlings				0			0			0	0	0	0
Production of Bee-colonies and wax sheets				0			0			0	0	0	0
Small tools and implements				0			0			0	0	0	0
Production of livestock feed and fodder				0			0			0	0	0	0
Production of Fish feed				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
X. Capacity Building and Group				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dynamics													
Leadership development				0			0			0	0	0	0
Group dynamics				0			0			0	0	0	0
Formation and Management of SHGs				0			0			0	0	0	0
Mobilization of social capital				0			0			0	0	0	0
Entrepreneurial development of farmers/youths				0			0			0	0	0	0
WTO and IPR issues				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
XI Agro-forestry				0			0			0	0	0	0
Production technologies				0			0			0	0	0	0
Nursery management				0			0			0	0	0	0
Integrated Farming Systems				0			0			0	0	0	0
XII. Others (Pl. Specify)				0			0			0	0	0	0
TOTAL	**144**	**3386**	**738**	**4124**	**255**	**889**	**1144**	**0**	**0**	**0**	**3641**	**1627**	**5268**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production				0			0			0	0	0	0
Bee-keeping				0			0			0	0	0	0
Integrated farming				0			0			0	0	0	0
Seed production				0			0			0	0	0	0
Production of organic inputs				0			0			0	0	0	0
Integrated Farming				0			0			0	0	0	0
Planting material production				0			0			0	0	0	0
Vermi-culture				0			0			0	0	0	0
Sericulture				0			0			0	0	0	0
Protected cultivation of vegetable crops				0			0			0	0	0	0
Commercial fruit production				0			0			0	0	0	0
Repair and maintenance of farm machinery and implements				0			0			0	0	0	0
Nursery Management of Horticulture crops				0			0			0	0	0	0
Training and pruning of orchards				0			0			0	0	0	0
Value addition				0			0			0	0	0	0
Production of quality animal products				0			0			0	0	0	0
Dairying				0			0			0	0	0	0
Sheep and goat rearing				0			0			0	0	0	0
Quail farming				0			0			0	0	0	0
Piggery				0			0			0	0	0	0
Rabbit farming				0			0			0	0	0	0
Poultry production				0			0			0	0	0	0
Ornamental fisheries				0			0			0	0	0	0
Para vets				0			0			0	0	0	0
Para extension workers				0			0			0	0	0	0
Composite fish culture				0			0			0	0	0	0
Freshwater prawn culture				0			0			0	0	0	0
Shrimp farming				0			0			0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Pearl culture				0			0			0	0	0	0
Cold water fisheries				0			0			0	0	0	0
Fish harvest and processing technology				0			0			0	0	0	0
Fry and fingerling rearing				0			0			0	0	0	0
Small scale processing				0			0			0	0	0	0
Post-Harvest Technology				0			0			0	0	0	0
Tailoring and Stitching				0			0			0	0	0	0
Rural Crafts				0			0			0	0	0	0
Others, if any				0			0			0	0	0	0
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops				0			0			0	0	0	0
Integrated Pest Management				0			0			0	0	0	0
Integrated Nutrient management				0			0			0	0	0	0
Rejuvenation of old orchards				0			0			0	0	0	0
Value addition				0			0			0	0	0	0
Protected cultivation technology	1	34	5	39	1		1				35	5	40
Formation and Management of SHGs				0			0			0	0	0	0
Group Dynamics and farmers organization				0			0			0	0	0	0
Information networking among farmers				0			0			0	0	0	0
Capacity building for ICT application				0			0			0	0	0	0
Care and maintenance of farm machinery and implements				0			0			0	0	0	0
WTO and IPR issues				0			0			0	0	0	0
Management in farm animals				0			0			0	0	0	0
Livestock feed and fodder production				0			0			0	0	0	0
Household food security				0			0				0	0	0
Women and Child care				0			0			0	0	0	0
Low cost and nutrient efficient diet designing				0			0			0	0	0	0
Production and use of organic inputs				0			0			0	0	0	0
Gender mainstreaming through SHGs				0			0			0	0	0	0
Crop intensification				0			0			0	0	0	0
Others if any (RCT)	1	34	5	39	1		1			0	35	5	40
TOTAL	**2**	**68**	**10**	**78**	**2**	**0**	**2**	**0**	**0**	**0**	**70**	**10**	**80**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Weed Management	17	474	31	505	1	0	1	0	0	0	475	31	506
Resource Conservation Technologies	18	552	151	703	32	7	39	0	0	0	584	158	742
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	58	6	64	5	3	8	0	0	0	63	9	72
Seed production	15	340	25	365	16	3	19	0	0	0	356	28	384
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	21	573	145	718	43	33	76	0	0	0	616	178	794
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	17	586	48	634	48	28	76	0	0	0	634	76	710
TOTAL	89	2583	406	2989	145	74	219	0	0	0	2728	480	3208
II. Horticulture													
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	3	42	27	69	2	7	9	0	0	0	44	34	78
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	1	16	8	24	1	2	3	0	0	0	17	10	27
Production of low volume and high value crops	1	17	8	25	1	3	4	0	0	0	18	11	29
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	4	70	12	82	19	10	29	0	0	0	89	22	111
Exotic vegetables like Broccoli	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	2	42	0	42	6	6	12	0	0	0	48	6	54
Protective cultivation (Green Houses, Shade Net etc.)	9	257	31	288	27	41	68	0	0	0	284	72	356
Others, if any (Cultivation of Vegetable)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	20	444	86	530	56	69	125	0	0	0	500	155	655
b) Fruits													
Training and Pruning	4	16	7	23	6	52	58	0	0	0	22	59	81
Layout and Management of Orchards	5	45	3	48	25	66	49	0	0	0	70	69	139
Cultivation of Fruit	1	15	5	20	4	3	7	0	0	0	19	8	27
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	26	4	30	2	2	4	0	0	0	28	6	34
Plant propagation techniques	1	18	4	22	2	4	6	0	0	0	20	8	28
Others, if any(INM)	12	120	23	143	39	127	124	0	0	0	159	150	309
TOTAL	4	16	7	23	6	52	58	0	0	0	22	59	81
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	1	24	1	25	0	0	0	0	0	0	24	1	25

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	24	1	25	0	0	0	0	0	0	24	1	25
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	1	25	2	27	1	2	3	0	0	0	26	4	30
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	1	25	2	27	1	2	3	0	0	0	26	4	30
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	2	36	7	43	7	9	16	0	0	0	43	16	59
Post harvest technology and value addition	1	17	3	20	18	4	22	0	0	0	35	7	42
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	3	53	10	63	25	13	38	0	0	0	78	23	101
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	15	459	92	551	25	12	37	0	0	0	484	104	588
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	15	459	92	551	25	12	37	0	0	0	484	104	588
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
products													
Others, if any (Goat farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	20	102	202	304	7	311	318	0	0	0	109	513	622
Design and development of low/minimum cost diet	2	0	43	43	4	18	22	0	0	0	4	61	65
Designing and development for high nutrient efficiency diet	3	34	48	82	8	17	25	0	0	0	42	65	107
Minimization of nutrient loss in processing	1	0	9	9	0	15	15	0	0	0	0	24	24
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	1	7	4	11	9	5	14	0	0	0	16	9	25
Enterprise development	1	0	0	0	0	50	50	0	0	0	0	50	50
Value addition	13	305	38	343	18	100	118	0	0	0	323	138	461
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	2	0	0	0	0	79	79	0	0	0	0	79	79
Rural Crafts	1	0	0	0	0	38	38	0	0	0	0	38	38
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	3	27	27	54	0	38	38	0	0	0	27	65	92
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	47	475	371	846	46	671	717	0	0	0	521	1042	1563
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection													
Integrated Pest Management	16	62	5	67	48	242	290	0	0	0	51	174	225
Integrated Disease Management	10	180	57	237	10	154	164	0	0	0	179	139	318
Bio-control of pests and diseases	1	2	11	13	1	10	11	0	0	0	3	21	24
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	16	3	19	0	0	0	0	0	0	16	3	19
TOTAL	28	260	76	336	59	406	465	0	0	0	249	337	586
VIII. Fisheries													
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**212**	**4357**	**1050**	**5407**	**377**	**1369**	**1704**	**0**	**0**	**0**	**4664**	**2274**	**6938**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	10	7	17	3	3	6	0	0	0	13	10	23
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	6	51	10	61	31	2	33	0	0	0	82	12	94
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	1	17	0	17	5	0	5	0	0	0	22	0	22
Vermi-culture	1	5	0	5	18	0	18	0	0	0	23	0	23
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	1	11	0	11	0	4	4	0	0	0	11	4	15
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	1	0	6	6	0	10	10	0	0	0	0	16	16
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any (ICT	0	0	0	0	0	0	0	0	0	0	0	0	0

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
application in agriculture)													
TOTAL	**11**	**94**	**23**	**117**	**57**	**19**	**76**	**0**	**0**	**0**	**151**	**42**	**193**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	1	16	3	19	1	0	1	0	0	0	17	3	20
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	2	51	5	56	6	0	6	0	0	0	57	5	62
Formation and Management of SHGs	1	5	0	5	18	0	18	0	0	0	23	0	23
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	1	11	0	11	0	4	4	0	0	0	11	4	15
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	1	16	3	19	1	0	1	0	0	0	17	3	20
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	1	34	5	39	1	0	1	0	0	0	35	5	40
TOTAL	**7**	**133**	**16**	**149**	**27**	**4**	**31**	**0**	**0**	**0**	**160**	**20**	**180**

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

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
Plant Breeding	PF	06.01.2023	Weed control in ZT Wheat	01	Off	76	-	76	1	-	1	77
Plant Breeding	PF	07.01.2023	Weed control in ZT Wheat	01	Off	50	8	58	-	-	-	58
Plant Breeding	PF	11.01.2023	Weed control in ZT Wheat	01	Off	45	2	47	-	-	-	47
Plant Breeding	PF	13.01.2023	Weed control in ZT Wheat	01	Off	38	-	38	-	-	-	38
Plant Breeding	PF	24.01.2023 to 25.01.2023	Natural farming for quality production	02	ON	40	-	40	-	-	-	40
Plant Breeding	PF	27.02.2023	Scientific cultivation of Millet crops	01	Off	47	2	49	2	-	2	51
Plant Breeding	PF	24.03.2023	Millet production awareness programme	01	Off	41	-	41	17	-	17	58
Plant Breeding	PF	20.04.2023	Crop production & marketing of Millet Crop	01	Off	46	4	50	2	-	2	52
Plant Breeding	PF	23.05.2023	Scientific cultivation of green gram & crop management	01	Off	30	1	31	1	-	1	32
Plant Breeding	PF	24.05.2023	Scientific cultivation of millet	01	Off	54	-	54	3	-	3	57
Plant Breeding	PF	25.05.2023	Scientific cultivation of millet	01	Off	37	1	38	2	-	2	40
Plant Breeding	PF	26.05.2023	Scientific cultivation of millet	01	Off	56	-	56	4	-	4	60
Plant Breeding	PF	29.05.2023	Scientific cultivation of millet	01	Off	45	13	58	2	-	2	60
Plant Breeding	PF	31.05.2023	Scientific cultivation of millet	01	Off	47	6	53	2	-	2	55
Plant Breeding	PF	01.06.2023	Climate resilient agriculture	01	Off	58	6	64	5	3	8	72
Plant Breeding	PF	02.06.2023	Nutricereal for new generation	01	Off	36	28	64	5	3	8	72
Plant Breeding	PF	03.06.2023	Climate resilient agriculture	01	Off	5	60	65	1	4	5	70
Plant Breeding	PF	15.06.2023	Direct Seeded Rice	01	Off	33	3	36	3	3	6	42
Plant Breeding	RY	30.06.2023	Scientific cultivation of Ragi	01	Off	25	-	25	-	-	-	25
Plant Breeding	PF	01.07.2023	Direct seeded rice var. Sabour Sampann	01	Off	20	8	28	-	-	-	28
Plant Breeding	PF	14.07.2023	Use of Herbicide for weed control in DSR	01	Off	23	-	23	2	-	2	25
Plant Breeding	PF	17.07.2023	Weed control in DSR	01	Off	26	-	26	1	-	1	27
Plant Breeding	PF	21.07.2023	Weed control in transplanted rice	01	Off	27	-	27	-	-	-	27
Plant Breeding	PF	21.07.2023	Weed control in DSR and transplanted rice	01	Off	33	2	35	1	-	1	36
Plant Breeding	PF	22.07.2023	Weed control in DSR and transplanted rice	01	Off	27	8	35	-	-	-	35
Plant Breeding	PF	23.07.2023	Weed control in transplanted rice	01	Off	20	3	23	1	-	1	24
Plant Breeding	PF	02.08.2023	Use of herbicide in transplanted rice	01	Off	14	12	26	-	-	-	26
Plant Breeding	PF	04.08.2023	Scientific cultivation of finger millet and maize	01	Off	20	-	20	1	-	1	21
Plant Breeding	PF	12.08.2023	Scientific cultivation of	01	Off	17	4	21	2	-	2	23

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
			finger millet									
Plant Breeding	PF	16.08.2023	Use of LCC for Urea application in maize	01	Off	52	-	52	4	-	4	56
Plant Breeding	PF	18.08.2023	Use of LCC for urea application in maize	01	Off	44	8	52	2	-	2	54
Plant Breeding	PF	21.08.2023	Scientific cultivation of finger millet	01	Off	44	4	48	2	-	2	50
Plant Breeding	PF	01.09.2023	Certified seed production technique of lentil, gram & Pea	01	Off	18	2	20	5	-	5	25
Plant Breeding	PF	02.09.2023	Certified seed production technique of lentil, gram & Pea	01	Off	19	4	23	2	-	2	25
Plant Breeding	PF	04.09.2023	Certified seed production technique of lentil, gram & Pea	01	Off	18	4	22	1	3	4	26
Plant Breeding	PF	05.09.2023	Certified seed production technique of lentil, gram & Pea	01	Off	21	-	21	-	-	-	21
Plant Breeding	PF	08.09.2023	Certified seed production technique of wheat	01	Off	16	6	22	3	-	3	25
Plant Breeding	PF	12.09.2023	Use LCC in rice for N	01	Off	28	-	28	-	-	-	28
Plant Breeding	PF	19.09.2023	Use LCC in rice for N	01	Off	46	5	51	-	-	-	51
Plant Breeding	PF	03.10.203	Lentil & Gram seed production technique	01	ON	24	-	24	1	-	1	25
Plant Breeding	PF	05.10.2023	Wheat seed production technique	01	ON	22	3	25	-	-	-	25
Plant Breeding	PF	06.10.2023	Gram and lentil seed production technique	01	ON	25	-	25	-	-	-	25
Plant Breeding	PF	10.10.2023	Wheat seed production technique	01	ON	19	6	25	2	-	2	27
Plant Breeding	PF	01.11.2023	Wheat seed production technique	01	ON	33	-	33	-	-	-	33
Plant Breeding	PF	02.11.2023	Gram, Lentil and pea seed production	01	ON	33	-	33	-	-	-	33
Plant Breeding	PF	04.11.2023	Lentil seed production technique	01	ON	22	-	22	-	-	-	22
Plant Breeding	PF	06.11.2023	Mustard seed production technique	01	ON	23	-	23	-	-	-	23
Plant Breeding	PF	22.11.2023	Wheat seed production technique	01	ON	24	-	24	-	-	-	24
Plant Breeding	PF	23.11.2023	Lentil & Gram seed production technique	01	ON	23	-	23	-	-	-	23
Plant Breeding	PF	09.11.2023	ZT wheat sowing under CRA	01	ON	30	-	30	2	-	2	32
Plant Breeding	PF	10.11.2023	ZT Wheat sowing under CRA	01	Off	18	-	18	-	-	-	18
Plant Breeding	PF	27.11.2023	ZT wheat sowing under CRA	01	Off	25	-	25	1	-	1	26
Plant Breeding	RY	09.11.2023 to 16.11.2023	Gram & Lentil seed production technique	08	ON	14	3	17	6	-	6	23
Plant Breeding	RY	25.11.2023 to	Wheat seed production technique	06	ON	14	3	17	6	-	6	23

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
		30.11.2023										
Plant Breeding	PF	14.12.2023	Wheat control in ZT Wheat at Rampur	01	Off	12	-	12	-	-	-	12
Plant Breeding	RY	01.12.2023 to 06.12.2023	Green gram seed production technique	06	ON	13	1	14	7	-	7	21
Plant Breeding	RY	07.12.2023 to 12.12.2023	Cowpea and French bean seed production technique	06	ON	13	1	14	7	-	7	21
Plant Breeding	EF	08.12.2023	Zero tillage wheat sowing	01	ON	34	5	39	1	-	1	40
Agronomy	PF	06.01.2023	Zero tillage method & INM in wheat	01	Off	76	-	76	1	-	1	77
Agronomy	PF	07.01.2023	Use of Nano Urea in Rabi Crop	01	Off	50	8	58	-	-	-	58
Agronomy	PF	11.01.2023	Weed control in wheat	01	Off	45	2	47	-	-	-	47
Agronomy	PF	13.01.2023	Use of NPK in Lentil/ Mustard (18:18:18)	01	Off	38	-	38	-	-	-	38
Agronomy	PF	24.01.2023 to 25.01.2023	Importance of natural farming for sustainability of income & profit	02	ON	40	-	40	-	-	-	40
Agronomy	PF	21.02.2023	Integrated nutrient management in moong	01	ON	14	5	19	-	-	-	19
Agronomy	PF	27.02.2023	Importance of millet crop & its cultivation practices	01	Off	47	2	49	2	-	2	51
Agronomy	PF	24.03.2023	Scientific cultivation of course cereal/Millet crops	01	Off	-	41	41	-	17	17	58
Agronomy	PF	27.03.2023	Importance of Kitchen Garden	01	Off	-	-	-	-	50	50	50
Agronomy	PF	31.03.2023	Kitchen Garden for nutrition secure	01	Off	-	-	-	-	50	50	50
Agronomy	PF	12.04.2023	Scientific cultivation of moong & Its importance	01	Off	48	-	48	-	-	-	48
Agronomy	PF	20.04.2023	Agro-technique of cultivation of millet	01	Off	46	4	50	2	-	2	52
Agronomy	PF	03.04.2023	Imp. Of bio fortified variety of wheats & importance of nutri garden	01	Off	14	2	16	1	-	1	17
Agronomy	PF	09.05.2023	Scientific cultivation of moong	01	Off	38	-	38	2	-	2	40
Agronomy	PF	11.05.2023	Importance of Land Laser Levelling	01	Off	18	-	18	1	-	1	19
Agronomy	PF	12.05.2023	Importance of Land Laser Levelling	01	Off	12	-	12	-	-	-	12
Agronomy	PF	16.05.2023	Moong cultivation for green manuring	01	Off	26	-	26	1	-	1	27
Agronomy	PF	23.05.2023	Scientific cultivation of moon for soil health	01	Off	30	1	31	1	-	1	32
Agronomy	PF	24.05.2023	Scientific cultivation of millet crops	01	Off	54	-	54	3	-	3	57
Agronomy	RY	25.05.2023	Package & practices of (Darse cereal/millet cultivation	01	Off	37	1	38	2	-	2	40
Agronomy	RY	26.05.2023	DSR for higher return	01	Off	56	-	56	4	-	4	60

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
Agronomy	RY	29.05.2023	Importance of Land lesser levelling	01	Off	45	13	58	2	-	2	60
Agronomy	RY	31.05.2023	Direct seed rice cultivation	01	Off	47	6	53	2	-	2	55
Agronomy	PF	01.06.2023	Use of irrigation + water & rain water harvesting	01	Off	58	6	64	5	3	8	72
Agronomy	PF	02.06.2023	Smart Agriculture or sustainability & biofortify	01	Off	36	28	64	5	3	8	72
Agronomy	PF	03.06.2023	Cultivation of millet for better health	01	Off	5	60	65	1	4	5	70
Agronomy	PF	15.06.2023	Scientific cultivation of sorghum and finger millet	01	Off	33	3	36	3	3	6	42
Agronomy	PF	30.06.2023	Direct Seed Rice & transplanted rice nursery raising	01	Off	25	-	25	-	-	-	25
Agronomy	PF	01.07.2023	Scientific cultivation of rice by DSR & SRI method	01	Off	20	8	28	-	-	-	28
Agronomy	PF	17.07.2023	Improved method of millets cultivation	01	Off	26	-	26	1	-	1	27
Agronomy	PF	21.07.2023	Weed control in transplanted rice	01	Off	27	-	27	-	-	-	27
Agronomy	PF	21.07.2023	Weed control in DSR & transplanted rice	01	Off	33	2	35	1	-	1	36
Agronomy	PF	22.07.2023	Chemical method of weed control	01	Off	27	8	35	-	-	-	35
Agronomy	PF	23.07.2023	Weed management in rice	01	Off	20	3	23	1	-	-	23
Agronomy	PF	02.08.2023	Use of herbicide in transplanted rice	01	Off	14	12	26	-	-	-	26
Agronomy	PF	04.08.2023	Scientific cultivation of maize & Finger millets	01	Off	20	-	20	1	-	1	21
Agronomy	PF	12.08.2023	Integrated nutrient management in rice & use of nano urea	01	Off	17	4	21	2	-	2	23
Agronomy	PF	16.08.2023	Use of LCC in maize for balance fertilizer	01	Off	52	-	52	4	-	4	56
Agronomy	PF	18.08.2023	Use of LCC for nitrogen Management in maize	01	Off	44	8	52	2	-	2	54
Agronomy	PF	21.08.2023	Scientific cultivation of millets (Finger millet)	01	Off	44	4	48	2	-	2	50
Agronomy	PF	12.09.203	Improved method of millet cultivation	01	Off	28	-	28	-	-	-	28
Agronomy	PF	15.09.2023	Integrated nutrient management in paddy	01	ON	35	12	47	5	9	14	61
Agronomy	PF	19.09.2023	Use of leaf color chart (LCC) for urea application in paddy	01	Off	46	5	51	-	-	-	51
Agronomy	PF	20.09.2023	Use of nano urea in paddy	01	ON	15	4	19	2	2	4	23
Agronomy	PF	10.10.2023	Resource conservation technology for sustainability	01	ON	15	-	15	10	-	10	25
Agronomy	PF	19.10.2023	Importance of millet crop cultivation	01	ON	24	-	24	5	-	5	29
Agronomy	PF	09.11.2023	Zero tillage method of wheat & Lentil	01	Off	30	-	30	2	-	2	32
Agronomy	PF	10.11.2023	Zero tillage method of	01	Off	18	-	18	-	-	-	18

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
			wheat & Mustard									
Agronomy	PF	27.11.2023	Zero tillage method of wheat & Importance of millet crop cultivation	01	Off	25	-	25	1	-	1	26
Agronomy	RY	01.11.203 to 06.11.2023	Integrated farming system for higher income	05	ON	17	-	17	5	-	5	22
Agronomy	PF	14.12.2023	INM in zero tillage wheat	01	Off	12	-	12	-	-	-	12
Horticulture	PF	03.01.2023	Onion & Capsicum cultivation techniques	01	Off	13	8	21	2	4	6	27
Horticulture	PF	06.01.2023	Organic vegetable cultivation	01	Off	76	-	76	1	-	1	77
Horticulture	PF	13.01.2023	Organic vegetable cultivation technique	01	Off	38	-	38	-	-	-	38
Horticulture	PF	19.01.2023	Guava Fruit orchard management	01	Off	20	1	21	5	-	5	26
Horticulture	PF	04.02.2023	Summer vegetable (Bettle guard, Cucumber)	01	Off	25	2	27	3	-	3	30
Horticulture	PF	08.02.2023	Processing and value addition of Tomato under NICRA	01	ON	35	6	41	4	-	4	45
Horticulture	PF	07.03.2023	Used PGR Fruit & Vegetable cultivation	01	Off	16	8	24	1	2	3	27
Horticulture	PF	15.03.2023	Fruit orchard management technique	01	Off	16	7	23	-	3	3	26
Horticulture	PF	16.03.2023	Summer vegetable cultivation technique	01	Off	19	4	23	3	3	6	29
Horticulture	PF	17.04.2023	Scientific cultivation technique of Elephant …….& Babycorn	01	Off	17	8	25	1	3	4	29
Horticulture	PF	20.04.2023	Value addition of millets	01	Off	46	4	50	2	-	-	50
Horticulture	PF	27.04.2023	Vegetable production in kitchen garden	01	Off	-	-	-	29	-	29	29
Horticulture	PF	04.05.2023	Scientific cultivation tech of Mentha	01	Off	18	4	22	2	5	7	29
Horticulture	PF	15.05.2023	Scientific cultivation tech. of Turmeric & Ginger	01	Off	18	3	21	5	4	9	30
Horticulture	PF	24.05.2023	Value addition of millet crop	01	Off	54	3	57	-	-	-	57
Horticulture	PF	25.05.2023	Value addition of millet crop	01	Off	37	1	38	2	-	2	40
Horticulture	PF	26.05.2023	Value addition of millet crop	01	Off	56	-	56	4	-	4	60
Horticulture	PF	07.06.2023	Seedlings raising tech. of Vegetables (Tomato, Brinjal, Chili)	01	Off	18	5	23	-	3	3	26
Horticulture	PF	15.06.2023	Propagation tech. of fruit plant (Mango, Guava, Litchi etc.)	01	Off	26	4	30	2	2	4	34
Horticulture	PF	04.07.2023	Fruit orchard management	01	ON	15	5	20	4	3	7	27
Horticulture	PF	19.07.2023 to 20.07.2023	Fruit and vegetables cultivation in Kitchen Garden	02	ON	-	-	-	-	42	42	42
Horticulture	R	10.07.2023	Propagation technique of	05	ON	5	-	5	18	-	18	23

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
	Y	to 14.07.2023	Fruit plants									
Horticulture	PF	08.08.2023	Production technique of mango	01	Off	-	-	-	15	-	15	15
Horticulture	PF	16.08.2023	Vegetable seedlings raising of cow pea production	01	Off	9	2	11	15	2	17	28
Horticulture	PF	17.08.2023	Lay out of management of Kitchen Garden	01	ON	-	-	-	25	-	25	25
Horticulture	PF	28.08.2023	Lay out & Management of Kitchen Garden	01	Off	-	-	-	6	24	30	30
Horticulture	PF	29.08.2023	Production technique of fruits (mango, Guava, Lemon) etc.	01	Off	-	-	-	20	9	29	29
Horticulture	PF	01.09.2023	Scientific cultivation tech. of Cabbage & Tomato	01	ON	22	3	25	2	3	5	30
Horticulture	PF	13.09.2023	INM in vegetable cultivation	01	ON	20	6	26	-	1	1	27
Horticulture	PF	22.09.2023	Scientific cultivation technique of tomato & Cauliflower	01	Off	15	-	15	-	12	12	27
Horticulture	PF	25.09.2023	Protected cultivation tech. of capsicum & Tomato	01	Off	26	-	26	-	-	-	26
Horticulture	PF	04.10.2023	Micro -nutrient management in fruit plants	01	ON	4	17	21	-	2	2	23
Horticulture	PF	09.10.2023	Scientific cultivation of marigold & Jerbera	01	ON	24	1	25	-	-	-	25
Horticulture	PF	30.10.2023	Scientific cultivation of Radish, Veg. Pea & Potato	01	Off	14	8	22	1	2	3	25
Horticulture	PF	04.11.2023	Scientific cultivation of Potato	01	Off	25	2	27	1	2	3	30
Horticulture	PF	07.11.2023	Nursery raising of onion and cauliflower	01	ON	18	3	21	3	3	6	27
Horticulture	RF	21.11.2023 to 25.11.2023	Seed production of potato, Brinjal, Tomato & Vegetable pea etc.	05	ON	17	2	19	5	2	7	26
Horticulture	PF	04.12.2023	Cultivation of vegetable under poly tunnels & Poly house	01	ON	16	-	16	6	6	12	28
Horticulture	PF	09.12.2023	INM in Fruit plants (Mango, Guava, Papaya etc.)	01	Off	18	4	22	2	4	6	28
Horticulture	PF	28.12.2023	Value addition for Rabi Season vegetable	01	Off	17	3	20	18	4	22	42
Horticulture	RF	08.12.2023	Vegetable cultivation under poly house	01	Off	34	5	39	1	-	1	40
Horticulture	EF	20.12.2023	Used of polytunnel & Polythene for veg. seeding raising	01	ON	16	3	19	1	-	1	20
Home Sc.	EF	10.01.2023	Poshan Vatica	01	ON	10	6	16	1	1	2	18
Home Sc.	PF	23.02.2023	Importance of millets for human helath	01	Off	-	-	-	-	30	30	30
Home Sc.	PF	15.02.2023	Value addition of Mushroom	01	Off	-	-	-	-	50	50	50
Home Sc.	PF	13.03.2023	Preservation of onion & tomato	01	Off	27	-	27	2	-	2	29

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
Home Sc.	PF	14.03.2023	Preservation of fruits	01	ON	21	-	21	4	2	6	27
Home Sc.	PF	24.03.2023	Importance and use of millets for human health	01	Off	-	27	27	-	15	15	42
Home Sc.	PF	27.03.2023	Nutritional Garden	01	Off	-	-	-	-	50	50	50
Home Sc.	PF	31.03.2023	Nutritional Garden	01	Off	-	-	-	-	50	50	50
Home Sc.	PF	03.04.2023	Importance of nutritional garden & its lay out	01	Off	14	2	16	-	1	1	17
Home Sc.	PF	12.04.2023	Importance and recipes of green gram	01	Off							0
Home Sc.	PF	17.04.2023	Value addition of elephant foot yam & baby corn	01	Off	17	8	25	1	3	4	29
Home Sc.	PF	27.04.2023	Importance of poshan Vatika	01	Off	-	-	-	-	27	27	27
Home Sc.	PF	06.05.203	Value addition of mango	01	Off	-	-	-	-	15	15	15
Home Sc.	PF	09.05.2023	Importance of nutritional garden	01	ON	2	11	13	1	10	11	24
Home Sc.	PF	22.05.2023	Tie & dye	01	ON	-	6	6	-	12	12	18
Home Sc.	PF	24.05.2023	Importance and millets based recipes	01	Off	30	1	31	1	-	1	32
Home Sc.	PF	25.05.2023	Importance of balanced diet for human health	01	Off	-	27	27	-	3	3	30
Home Sc.	RY	30.05.2023 to 31.05.2023	Stitching a& tailoring	02	ON	-	-	-	1	14	15	15
Home Sc.	PF	03.06.2023	Importance of balanced diet & nutritional garden	01	Off	11	35	46	3	6	9	55
Home Sc.	RY	30.05.2023 to 13.06.2023	Cutting and stitching	15	ON	-	-	-	1	14	15	15
Home Sc.	PF	13.07.2023	Embellishment of fabric	15	ON	-	-	-	-	38	38	38
Home Sc.	PF	19.07.2023 to 20.07.2023	Importance of nutritional garden	15	ON	-	-	-	-	42	42	42
Home Sc.	PF	24.07.2023	Importance of nutritional garden & its lay out	01	Off	-	25	25	-	10	10	35
Home Sc.	PF	24.07.2023	Importance of nutritional garden & its lay out	01	Off	-	-	-	-	31	31	31
Home Sc.	PF	26.07.2023	Importance of millets for health & its recipe	15	ON	-	5	5	-	13	13	18
Home Sc.	PF	03.08.2023	Mother's milk : Boon for children's	01	Off	-	32	32	-	5	5	37
Home Sc.	PF	08.08.2023	Importance & layout of nutritional garden	01	Off	-	-	-	-	25	25	25
Home Sc.		09.08.2023	Importance & layout of nutritional garden	01	Off	8	10	18	-	4	4	22
Home Sc.	PF	17.08.2023	Weaning food for children	01	ON	-	19	19	-	7	7	26
Home Sc.	PF	21.08.2023	Value addition of millets	01	Off	44	4	48	2	-	2	50
Home Sc.	PF	24.08.2023	Importance of millets & layout of nutritional garden	01	Off	-	12	12	30	-	30	42
Home Sc.	PF	28.08.2023	Importance & layout of nutritional garden	01	Off	6	26	32	-	24	24	56
Home Sc.	PF	11.09.2023	Nutritional improvement through mission life	01	ON	29	1	30	1	-	1	31

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
Home Sc.	PF	22.09.2023	Only breast feeding & supplementary food	01	ON	-	8	8	-	31	31	39
Home Sc.	PF	21.09.2023	Importance and value addition of papaya	01	ON	-	-	-	-	31	31	31
Home Sc.	PF	09.10.2023	Preservation of fruits & vegetables	01	ON	19	7	26	4	1	5	31
Home Sc.	PF	13.10.2023	Preservation of nutrient loss during cooking process	01	ON	-	9	9	-	15	15	24
Home Sc.	PF	18.10.2023	Preparation of high nutrient efficient diet	01	ON	-	23	23	-	4	4	27
Home Sc.	PF	04.11.2023	Value addition of potato	01	Off	25	2	27	1	2	3	30
Home Sc.	PF	06.11.2023	Nutritional garden	01	Off	-	29	29	-	2	2	31
Home Sc.	PF	07.12.2023	Safe storage grains	01	Off	7	4	11	9	5	14	25
Home Sc.	PF	12.12.2023	Millet based recepies	01	Off	4	9	13	-	7	7	20
Home Sc.	PF	12.12.2023	Minimizations of health hayords by functional kit	01	Off	-	-	-	-	50	50	50
Home Sc.	RY	28.11.2023 to 02.12.2023	Mushroom production techniques	05	ON	10	7	17	3	3	6	23
Plant pathology	PF	19.01.2023 to 20.01.2023	IDM in Rapeseed and mustard	02	ON	9	-	9	1	4	5	14
Plant pathology	PF	24.01.2023 to 25.01.2023	Natural farming and its application	02	ON	40	-	40	-	-	-	40
Plant pathology	PF	15.02.2023	Production of oyster mushroom	01	Off	-	-	-	-	50	50	50
Plant pathology	PF	21.02.2023	Management of Yellow vein Mosaic virus	01	ON	14	5	19	-	-	-	19
Plant pathology	PF	13.03.2023	IPM in Onion	01	Off	27	-	27	2	-	2	29
Plant pathology	PF	14.03.2023	IPM in Orchard	01	ON	21	-	21	4	-	4	25
Plant pathology	PF	27.03.2023	IPM in Kitchen Garden	01	Off	-	-	-	-	50	50	50
Plant pathology	PF	31.03.2023	IPM in Kitchen Garden	01	Off	-	-	-	-	50	50	50
Plant pathology	PF	03.04.2023	Insect pest & Disease Mgt. in kitchen garden	01	Off	14	2	16	-	1	1	17
Plant pathology	PF	17.04.2023	IPM in Elephant foot yaa	01	Off	17	8	25	1	3	4	29
Plant pathology	PF	27.04.2023	Insect pest Mgt & Disease Mgt. in Kitchen Garden	01	Off	-	-	-	-	25	25	25
Plant pathology	PF	06.05.2023	IPM in mango	01	Off	-	-	-	-	15	15	15
Plant pathology	PF	09.05.2023	Biological control in kitchen garden	01	ON	2	11	13	1	10	11	24
Plant pathology	PF	29.05.2023	IDM in millets	01	Off	15	13	28	2	-	2	30
Plant pathology	PF	31.05.2023	IDM in millets	01	Off	47	6	53	2	-	2	55
Plant pathology	RY	30.05.2023 to 09.06.2023	Cutting and Stitching (SCSP)	10	ON	-	-	-	1	14	15	15

Discipline	Clientele	Date	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST			Over all participants
						Male	Female	Total	Male	Female	Total	
Plant pathology	PF	15.06.2023	IPM in DSR under CRA	01	Off	33	3	36	3	3	6	42
Plant pathology	RY	30.05.2023 to 13.06.2023	Cutting and Stitching	14	ON	-	-	-	1	14	15	15
Plant pathology	PF	19.07.2023 to 20.07.2023	IPM in Kitchen Garden	02	ON	-	-	-	-	42	42	42
Plant pathology	PF	24.07.2023	IPM in Kitchen Garden	01	Off	-	-	-	-	31	31	31
Plant pathology	PF	24.07.2023	IPM in kitchen garden	01	Off	-	-	-	-	10	10	10
Plant pathology	PF	08.08.2023	IPM in mango orchard	01	Off	-	-	-	-	15	15	15
Plant pathology	PF	17.08.2023	IPM in Poshan Vatika	01	On	-	-	-	-	25	25	25
Plant pathology	PF	25.082023	IPM in Poshan vatika	01	ON	-	-	-	22	9	31	31
Plant pathology	PF	29.08.2023	IPM in Rice	01	Off	-	-	-	20	9	29	29
Plant pathology	PF	21.09.2023	IDM IN PAPAYA	01	ON	-	-	-	-	26	26	26
Plant pathology	PF	22.09.2023	IDM in kharif vegetable	01	ON	15	-	15	-	12	12	27
Plant pathology	PF	26.09.2023	IPM in Rice	01	Off	-	-	-	-	34	34	34
Plant pathology	PF	10.10.2023	IPM of papaya in kitchen garden	01	Off	-	-	-	1	28	29	29
Plant pathology	PF	11.10.2023	Importance of seed treatment in rabi crop	01	ON	-	3	3	-	18	18	21
Plant pathology	PF	12.10.2023	IPM in kitchen garden	01	Off	-	-	-	-	21	21	21
Plant pathology	PF	04.12.2023 to 06.12.2023	Safe & Judicious use of glyphosate	03	ON	16	3	19	-	-	-	19
Plant pathology	PF	12.12.2023	IDM in nutritional garden	01	OF	-	-	-	50	-	50	50
Plant pathology	PF	21.12.2023	IDM in nutritional garden	01	ON	-	-	-	29	-	29	29
Plant pathology	RY	11.12.2023 to 15.12.2023	Nursery mgt. (Insect, disease etc)	05	ON	1	2	3	1	11	12	15
Plant pathology	EF	20.12.2023	Biological control of Insect Pest	01	ON	16	3	19	1	-	1	20

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Tailoring	Income generating activities for women	Cutting and stiching		1	14	15	Tailoring	10		

**Training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Important plants for honeybee rearing		Jan	1		1		32			18			50		50	ATMA, Lakhisarai
2	Kisan Gosthi on organic cultivation		Jan	1		1	85	5		25			110	5		115	ATMA, Lakhisarai
3	Exposure Visit		Jan	1		1	18	2		18	2		36	4		40	ATMA, Lakhisarai
4	Awareness on Millet crop		Feb	1		1	135	20		10	10		145	30		175	DAO Lakhisarai
5	Organic Farming of vegetables & Fruits		may	1		1	96	8					96	8		104	ATMA
6	Scientific cultivation of Millets & Field Visit		Sep	1		1	52	9		4	7		56	16		72	ATMA Lakhisarai
7	Seed Production and its certification		Sep	1		1	38	3		9	2		47	5		52	BSSOCA Patna
8	Certified Seed Production		Sep	1		1	63	2		6	2		69	4		73	NSC New Delhi
9	Organic Farming		Nov	1		1	26	2		2			28	2		30	Soil Conservation Dept. Jamui
10	Rabi Mahotsav		Dec	1		1	150	40		30	15		180	55		235	ATMA
11	CCNM-DAESI		Dec	1		1	30						30	0		30	ATMA
12	Mushroom Production		Dec	1		1	80						80	0		80	ATMA
13	Farmer Scientist Interaction		Dec	1		1	25	1		4	1		29	2		31	ATMA
14	Energy Conservation in Agriculture		Dec	1		1	45	4		1	3		46	7		53	BREDA
Total				**14**		**14**	**843**	**128**		**109**	**60**		**952**	**188**		**1140**	

Area of training	No. of Courses	No. of Participants											
		General			SC			ST			Grand Total		
		M	F	Total	M	F	Total	M	F	Total	M	F	Total
Crop production and management													
Increasing production and productivity of crops	3	332	44		69	32					401	72	473
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management	3	207	27		10	5					217	32	249
Production of Inputs at site													
Methods of protective cultivation													
Other (Bee Keeping & Seed production &Certification)	3	101	9		35	20	50				136	27	163
Total	9	640	80	0	114	57	50	0	0	0	754	131	885
Post harvest technology and value addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other (Energy conservation in Agriculture)	1	45	1		4	3					49	4	53
Total	1	45	1		4	3					49	4	53
Livestock and fisheries													
Livestock production and management													
Animal Nutrition Management													
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													
Other													
Total													

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

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

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

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD Programmes)

Nature of acivity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	1	340	70	410	48		11	8	19	6		351	78	429	54	0
Kisan Mela participated	1	175	20	195	21		5		5			180	20	200	21	0
Field Day	15	620	68	688	52		15	2	17			635	70	705	52	0
Kisan Ghosthi	11	1015	128	1143	111		50	3	53			1065	131	1196	111	0
Exhibition organized				0					0			0	0	0	0	0
Participation in exhibition				0					0			0	0	0	0	0
Film Show	1	22		22					0			22	0	22	0	0
Method Demonstrations				0					0			0	0	0	0	0
Farmers Seminar	1	4		4					0			4	0	4	0	0
Workshop				0					0			0	0	0	0	0
Group discussion				0					0			0	0	0	0	0
Lectures delivered as resource persons	14	795	100	895	188		176	69	245			971	169	1140	188	0
Advisory Services				0					0			0	0	0	0	0
Scientific visit	510	1538	1164	2702	398		98	42	140	71		1636	1206	2842	469	0

to farmers field																
Farmers visit to KVK	3102	1374	1020	2394	590	0	66	14	80	38	0	1440	1034	2474	628	0
Diagnostic visits	53	88	35	123	40				0			88	35	123	40	0
Exposure visits	2	105	0	105					0			105	0	105	0	0
Ex-trainees Sammelan				0					0			0	0	0	0	0
Soil health Camp	1	96	12	108					0			96	12	108	0	0
Animal Health Camp	4	321	93	414	85				0			321	93	414	85	0
Agri mobile clinic				0					0			0	0	0	0	0
Soil test campaigns				0					0			0	0	0	0	0
Farm Science Club Conveners meet				0					0			0	0	0	0	0
Self Help Group Conveners meetings	1	39	6	45	4	0	0	0	0	0	0	39	6	45	4	0
Mahila Mandals Conveners meetings				0					0			0	0	0	0	0
Special day celebration				0					0			0	0	0	0	0
Sankalp Se Siddhi				0					0			0	0	0	0	0
Swatchta Hi Sewa	6	80	3	83	6				0			80	3	83	6	0
Celebration of important date				0					0			0	0	0	0	0
Others				0					0			0	0	0	0	0

B. Other Extension/content mobilization activities

Nature of Extension Activity	**No. of activities**
Newspaper coverage	45
Radio talks	
TV talks	
Popular articles published	10
Extension Literature	2
Electronic media	
Any other	

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	25	12	47	3	0	3	25	12	47
International Women's Day (8th Mar.)										
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)										
Independence Day (15th Aug.)										
Parthenium Awareness Week	1	46	18	64				46	18	64
Hindi Diwas (14th Sep.)	3	107	42	149				107	42	149
Gandhi Jayanti (2nd Oct.)										
Mahila Kisan Diwas (15th Oct.)										
World Food Day (16th Oct.)										
Vigilance Awareness Week										
National Unity Day (31st Oct.)										
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)										
World Soil Day (5th Dec.)										
Kisan Diwas (23rd Dec.)	1	96	12	108				96	12	108
Any other day										
International wetland day (2nd Feb)										
World Environment Day (5th June)	1	35	5	40				35	5	40
ICAR Foundation Day- Tech. Day(17th July)	1	70	37	107				70	37	107
ICAR Foundation Day- Tech. Day (18th july)										
World Breast Feeding Week (3rd Aug)	1	21	40	61				21	40	61
National Nutrition Month(16th Sep)	1	3	59	62				3	59	62

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	27-02-23	PM Kisan Samman Niddhi	PM	45	6		51
2	18-03-23	Live Telecast of PM Global Millet Conference & Training prog on millets opportunity in natural farming	PM	98	7		105
3	30-04-23	PM 100 Episode mann ki Baat	PM	70	5		75
4	27-07-23	Pradhanmantri Kisan Samman Yojna	PM	101	8		109
5	30-09-23	PM Live (Sankalp Saptah) & Swacchta Pakhwada	PM	60	3		63
6	15-11-23	PM Kisan Samman Nidhi	PM	115	7		122
7	09-12-23	PM live VBSY	PM	66	6		72
8	16-12-23	PM live VBSY	PM	33	2		35
9	13-10-23	Kisano ki baat krishi mantri ke sath	AM	20	5		25
10	01-11-2023	Sawal Jawab (Prayogshala se khet tak)	AM	18	4		22

3.5 a. Production and supply of Technological products

A. Seed production at seed village

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

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals -Paddy	Sabour Sampanna	290					
Cereals -Paddy	R. Sweta	308					
Cereals -Wheat	HD-2967	121.2	5,81,760				
Cereals -Wheat	HI-1563	36.2	1,73,760				
Millet- Ragi	RAU Ragi-3	3.6					
Cereals- Total		**759**					
Oil seed- Mustard	**RH-725**	**9.35**	1,12,200				
Pulses-Chick Pea	**Sabour Chana-1**	**48.6**					
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total		**816.95**	**8,67,720**				

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Kashi Vishesh	1.2 Lakh	FLD	1		28	29

Brinjal							
Chilli							
Onion	NHRDF Red-3	2.5 Lakh	FLD			8	8
Others							
Commercialseedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango							
Guava	Allahabad Safeda	62	3100.00			8	8
Lime							
Papaya	Pusa Dwarf	984	19680.00			30	30
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total							

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-food(Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocardetc)						
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.)	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.

b. Details of samples analyzed so far

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

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

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

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
	1		108			108

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

S.No	No of training programme conducted	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:	Dr. Shambhu Roy
Address :	Krishi Vigyan Kendra, Halsi, Lakhisarai,811311
e-mail :	lakhisaraikvk@gmail.com
Mobile :	9122807102

2. Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023	Nil	Nil	Nil	Nil	Nil	Nil
Rabi 2023-24	Gram	Sabour Chana-1	700	44.5	700	C/S
	Lentil	IPL-220	200	10.0	200	C/S
Summer/Spring 2023	Green Gram	Shikha	200	20.0	200	C/S

3. Financial Progress

FY	O/B	Receipt	Total	Expenditure	Balance
2016-17		90333245	9033245	584173	8449072
2017-18	8449072	1985872	10434944	4445958	5988986
2018-19	5988986	8819989	14808975	3451112	11357863
2019-20	11357863	2308103	13665966	4848742	8817224
2020-21	8817224	8001704	16818928	6572777	10246151
2021-22	10246151	5999852	16246003	5100726	11145277
2022-23	11145277	5460868	16606145	4340698	12285447

4. Infrastructure Development

Item	Progress
Seed processing unit	***Completed***
Seed storage structure	***Completed***
Nursery	
Animal sector	***Not established till now***
Mushroom / other enterprises	***Mushroom Unit established***
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		

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			
Books			
Book Chapter			
Popular articles	1. B.K. Singh, S.C. Choudhary, S. Roy, N. Prakash &Avnikant (2023). Jaivik kheti me mitti ka swasthaprabandhan (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 3-5. 2. S.C. Choudhary, S. Roy & Renu Kumari (2023). Mitti Janch Ki awshakta, Mahatvaevamnamunalene ki vidhi. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp-6-7. 3. S.C. Choudhary, S. Roy & N. Prakash (2023) (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 12-13. 4. S.K. Singh, U. P. Narayan and S.Roy. (2023). Bhindi Ki VaigyanikKheti. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp-14-15. 5. Mamta Kumari, S.K. Singh and S. Roy (2023)(in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 16-18. 6. S.K. Singh, M. Kumari, S. Roy and S.C. Choudhary. (2023) Aam ki safalbagwani. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 19-21. 7. S.K. Singh, M. Prasad, N. Prakash and S. Roy (2023). Genda phul ki vaigyanikkheti. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 22-23. 8. U. P. Narayan, S.K. Singh and S. Chourasia.(2023). Garma Mousam me sabjiphalokepramukhkideevanunkaprabandhan. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 28-30. 9. Sangeeta Kumari and Renu Kumari. 2023. Gunkarianwlekeutpad. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp-31-32. 10. Avnikant, S.C. Choudhary and S.Roy (2023). Beej Prasansakaranevambhandaran. (in hindi): Krishak Sandesh. ISSN2320-6950. 11(36). Pp- 44-45.	2000	2000
success story	2		
Bulletins			
Agro-advisory bulletins			
Extension Folders			
Technical reports	6		
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 Sunil Kumar Singh SMS, Horti.	ICAR- CSISA Convergence Platform	5 June 2023	ATARI Patna
2.	Dr Sunil Kumar Singh SMS, Horti.	Training cum Exposure Visit	26-30 June 2023	CIP, Banglore
3.	Dr Sunil Kumar Singh SMS, Horti.	Seed Hub Meeting	29 Sep 2023	BAMETI, Patna
4.	Dr Sunil Kumar Singh SMS, Horti.	NICRA Review Meeting	27-28 Oct 2023	ATARI Patna
5	Dr S C Choudhary SMS (Plant Breeding)	ZREAC Meeting	11th Aug 2023	BAU Sabour
6	Dr S C Choudhary SMS (Plant Breeding)	Research Council Meeting	20-21 Sep 2023	BAU Sabour
7	Dr S C Choudhary SMS (Plant Breeding)	Extension Council Meeting	22 Sep 2023	BAU Sabour
8	Dr S C Choudhary SMS (Plant Breeding)	Research Council Meeting	23 Sep 2023	BAU Sabour
9	Dr B K Singh SMS (Agronomy)	CRA Work Shop	18-19 Jan 2023	New Delhi
10	Dr Renu kumara SMS (Home Sc)	Action Plan of BSDM	6th April 2023	BAMETI Patna
11	Drabin Kumar Singh Prog. Asstt Computer	Action Plan of BSDM	6th April 2023	BAMETI Patna

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

Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority
1.	Best Performer (Seed hub)	Dr. S.C. Choudhary	-		ICAR-ATARI, Zone- IV, Patna (VIth Annual Zonal Workshop of KVKs)

Award received by Farmers

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1.	Innovative Farmer Award	Amit Kumar	Vill-Rampur Block-Suryagarha , District-Lakhisarai	9142594022	801244022694	-	Best performance in agriculture	BAU, Kisan Mela

3.7. TECHNOLOGY DEVLOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of 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/ methodology followed	Purpose for which the tool was followed

4. IMPACT

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

Name of specific technology/skill transferred/training	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Zero tillage	670		37200/ha	45800/ha
Oyster Mushroom Production	160		-	Rs. 27,000-32,000
Pulse seed production	80		Rs.53,500	Rs. 82,250

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

Zero-tillage technology	The KVK has succeeded in achieving the resource conservations technology in the district with collaboration with CSISA and under Climate Resilient Agriculture Program and NICRA Project cultivating crop wheat, mustard, lentil, green gram by Zero- tillage Machine.
Replacement of long duration paddy variety MTU-7029 by Paddy var. Sabour Sammapann	Most of farmers are still growing long duration paddy variety MTU-7029 for higher yield but due to unpredictable change in climatic condition, now a day there is great need of climate resilient variety of paddy. So KVK promoted Paddy var. Sabour Samapannaa suitable variety for drought as well as submergence tolerance under rainfed shallow low land condition through OFT followed by FLD and trainings and as intervention in project running in KVK like CRAP and NICRA. In district, approx.. 1200 acre replaced by Sabour Samapanna.

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
1.	Mushroom cultivation	Mushroom added in food basket of the family and also sold out in villages and near by market.	Oyster Mushroom produced by the trainees sold @ Rs.80-120/ Kg.
2.	Paddy var. Sabour sampanna	Paddy var. Sabour samapanna is suitable variety for drought as well as submergence tolerance under rainfed shallow land condition. It is also resistant to BPH and sheeth rust.	More than 28 per cent yield than local variety.

4.4. Details of entrepreneurship development

Entrepreneurship development: Nursery 	
Name of the enterprise	Mr. Ranjit Das Infront of : Sri Radhe Hospital Barhiya Road, NH-80 Lakhisarai
Name & complete address of the entrepreneur	Mr. Das had attended the 10 days training programme on Job role "Garderner" under RPL, BSDM in the year 2021-22 organized by Krishi Vigyan Kendra, HalsiLakhisarai.
Role of KVK with quantitative data support:	Mr. Das was doing job in one nursery in Lakhisarai from past many years. After attending the training programme, thought to open his own nursery and in the year 2023 started the enterprise with the name as DEV Nursery.
Timeline of the entrepreneurship development	Various type of Fruit, Ornamental and medicinal plants are

	selling out in his nursery. Beside this, the services related to landscaping of lawn garden and vertical garden etc. are also provided by his nursery. Gardening material like planter coco pit, compost etc are also available to sell.
Technical Components of the Enterprise	Previously, as he was employee in other's nursery and now he is owner of his own nursery. The extent of enthusiasm and self confidence is very high with 15 percent enhancement in income.
Status of entrepreneur before and after the enterprise	Raw material like baby plants and seeds are purchasing from Kolkata, West Bengal. Presently, three labours are working. He is marketing the plants in Lakhisarai and near by district like Jamui, Shekhpura, Munger etc.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Not Yet.
Horizontal spread of enterprise	

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	Smt. Usha Devi
Address & Contact details (Phone, mobile, email Id)	Vill. Raghunandan bigha, Block:-Halsi, District : Lakhisarai Mob. No: 7765969533
Assets (Landholding (in ha.)/Livestock)	1.5 acre (own)+ one acre (Lease in) Livestock:- Cow (03) and Goats (10)
Name and description of the farm/ enterprise	Integrated Farming System. (Dairy and vegetables farming based)
Achievement of the farmers	Although she has very less resources including the land size, but after coming in contact of KVK, Lakhisarai, Scientist motivated to adopt scientific cultivation and diversified towards vegetables farming in place of wheat and rice. Apart from this due to lack of knowledge regarding dairy farming and goat farming, not getting more profit, but after went through training programme organized by KVKs and District Agriculture Office, Lakhisarai, adopted the scientific aspects of farming and achieving more net profit from the various agricultural activities like vegetables farming, goat farming, dairy farming, mushroom farming, green gram seed production in summer. Later on, from few years she adopted the organic farming system for vegetables farming.
KVK intervention (planning & Implementation)	She is in regular contact of KVK,Lakhisarai since last 9-10 years and participated in activities of KVKs like OFT, FLD, trainings and green gram seed production under seed hub projects.
Impact (Economic/ Social/Environmental)	Since she has very less resource, but due to proper management last year, her net income from all the agricultural and allied activities was approx. 2,75,500/- . She is enjoying the social recognition as farm women doing scientific vegetable farming and awarded with 8-9

	awards for exhibiting her products in stalls in various kisan melas. Adoption Apart from these, she is also well known for adoption of organic and natural farming system.
Outcome (Horizontal/ Vertical spread)	She has motivated about 30-35 farmer especially farm women to adopt these technologies to get better income and health.

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उपलब्धि

उषा को देख अन्य महिलाएं भी सब्जी की खेती में आजमा रही अपनी किस्मत, दो बीघा जमीन की मालकिन हैं महिला किसान उषा देवी

10 वर्षों से वैज्ञानिक विधि से सब्जी की खेती कर बनाई पहचान

नारी शक्ति

- सब्जी के खेती कर कई पुरस्कार हासिल कर चुकी हैं उषा देवी
- महिला किसान को कई कार्यक्रमों में सम्मानित भी किया गया
- देर किसी का बैसाख पेटा करने पर मिला पुरस्कार

उषा को देख अन्य महिलाएं कर रही सब्जी की खेती

खेती के साथ गाय और बकरी पालन भी कर रही हैं उषा

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
D.A.O, Lakhisarai	For organizing training and scientific advisory during planning
ATMA, Lakhisarai	For organizing training and scientific advisory during planning
D.A.H.O, Lakhisarai	For organizing training and scientific advisory during planning
D.H.O, Lakhisarai	For organizing training and scientific advisory during planning
BSSOCA, Patna	Training
ADPP, Lakhisarai	Training
ADC, Lakhisarai	Training
IFFCO	Training
CSISA (CIMMYT)	Resource conservation technology demonstration e.g- Zero tillage, DSR, Paddy Transplanter
BAMETI, Patna	For skill development training

ICDS	Training, Establishment of Poshan Vatika and awareness programmes,
NABARD	For financial advisory
JEEVIKA	Training and advisory

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.)

6. PERFORMANCE INDICATORS

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq. mt)	Details of production			Amount (Rs.)		Remarks
				Variety/bred	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom Unit								damaged
2.	Vermicom post								damaged
3.	Shed Net								
4.	Poly house								
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Potato	19-11-2022	03-03-2023	0.05	Bari Aloo	TL	8.75			
Potato	20-11-2022	04-03-2023	0.05	Usi Map	TL	8.25			
Mustard	10-15 Nov 2022	16-18 Mar 2023	1.5	RH-725	C/S	9.35			
Chick Pea	07 Nov-5 Dec 2022	23Mar-5 Apr 2023	6	Sabour Chana-1	B/S	48.6*			
Wheat	25 -18 Nov 2022	17 Apr 2023	4	HD-2967	F/S	121.2			
Wheat	6-9 Dec 2022	18 Apr 2023	6	HI-1563	F/S	36.20			

Green Gram	01-04-2023	23-06-2023	4.0	Sikha	F/S	30*			
Paddy	22 Jun 2023	23 Nov-2 Dec 2023	2.5	R. Sweta	C/S	122.25*			
Paddy	16 Jun 2023	23 Nov-2 Dec 2023	4.5	Sabour Sampann	F/S	290.0*			
Paddy	22 Jun 2023	23 Nov-2 Dec 2023	3.75	R. Sweta	F/S	175.75*			
Ragi	2 July 2023	14 Nov 2023	0.5	RAU Ragi-3	T/L	3.6*			

*Raw Seed

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
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 has been completed: Yes
No. of staff quarters: 06
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI
Q1- (Senior Scientist & Head)- November-2019						

Q2-(Farm Manager)- August-2019	
Q3 & Q4- (SMSs)- August-2019	
QV- Vacant QVI- (Driver)- Novemeber-2019	

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main A/C	SBI	Halsi, Lakhisarai	11809608226
Revolving Fund	SBI	Halsi, Lakhisarai	30667962944
Seed Hub KVK A/C	SBI	Halsi, Lakhisarai	36072345627
CFLD PULSE KVK LAKHISARAI	SBI	Halsi, Lakhisarai	42331249528
CFLD OILSEED KVK LAKHISARAI	SBI	Halsi, Lakhisarai	42331264217
SKILL DEVELOPMENT TRAINING KVK LAKHISARAI	SBI	Halsi, Lakhisarai	42331370008
RPL UP-SCALING TRAINING KVK LAKHISARAI	SBI	Halsi, Lakhisarai	42331374933
NATURALFARMING KVK LAKHISARAI	SBI	Halsi, Lakhisarai	42016500855

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Rai		2,01,100		2,73,100	(-) 71,903

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	

7.4. Utilization of KVK funds during the year 2023 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,55,53,545	1,55,53545	1,54,84,960
2	Traveling allowances	84,683	84,683	84,683
3	Contingencies			
A	HRD	4,000	4,000	4,000
B	POL, Stationary, Office Expenditure etc.	5,76,317	5,76,317	5,76,317
C	Training, OFT, FLD, Maintenance of Building	4,25,000	4,25,000	4,25,000
D	SCSP (General)	1,25,302	1,25,302	1,25,302
E	SCSP (Capital)	2,00,000	2,00,000	2,00,000
F				
G				
H				
I				

J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2020-21	97.28587	7.20634	10.16167	85.41268
2021-22	85.41268	31.85715	30.03077	87.23906
2022-23	87.23906	38.94605	18.72842	107.45667

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 of activity	Number of activities	Season	With line department	With ATMA	With both
Kisan Mela	1				
Kisan Yantrikaran Mela	1				
Task Force	Monthly				

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	BSDM Training	23,200	BAMETI
2.	RPL Training	9,600	BAMETI
3.	BSDM Training	41,280	BAMETI
4.	RAWE	24,000	BAMETI
5	Institutional Charge	2,000	IFFCO Jamui
Total		**1,00,080**	

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 disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery

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

8.3. Nehru Yuva Kendra (NYK) Training

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

8.4. PPV & FR Sensitization training Programme

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

8.5. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	
2.	No. of farmers registered in the portal	
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	

8.6 Details of KVK Portal

No. of Events added by KVK	**No. of Facilities added by KVK**	**No. of filled Report on Package of Practices**				**No. of filled Profile Report**							
		Crop	Horticulture	Livestock	Fisheries	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
1268	4	4	1			11	16	Yes	Yes	Yes	Yes	Yes	-

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

Sl. No.	Discipline	No. of	No. of Messages	Total messages	No. of Farmers

		Advisories	(text+ videos)		
1.	Crop				
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others				
8.	Total				

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
Lakhisarai	10975

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
2nd-31st Oct 2023	6	18	83	2	103

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15 Dec -31st Dec 2023	8	21	68	3	92

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

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting		
2.	Other than vermicomposting activities under Swachata	21	11,095.00

8.7. Details of '*Pre-Rabi Campaign'* Programme

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		

8.8 .Vikisit Viksit Bharat Sanklap Yatra (LLB and ULB)

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1	65	65	42577	195

Vikit Bharat Sankalp Yatra

Sl	Date	Gram Panchayat covered /Venue	Male	Female	Total
1	09-12-23	NonGarh	1355	530	1885
2	11-12-23	Sadh Maaf	48	72	120
3	11-12-23	Dhira	86	94	180
4	12-12-23	kaindif	190	140	330
5	12-12-23	Pratappur	190	140	330
6	13-12-23	Bhanpura	112	97	209
7	13-12-23	ballopur	115	110	225
8	14-12-23	Halsi	115	127	242
9	14-12-23	Sirkhindi	300	100	400
10	15-12-23	maliya	65	85	150
11	15-12-23	Eton	72	90	162
12	16-12-23	Bhalui	65	55	120
13	16-12-23	Kundar	200	155	355
14	17-12-23	Sangrampur	85	150	235
15	17-12-23	Jankidih	120	165	285
16	18-12-23	Gohri	250	150	400
17	18-12-23	Lakhochak	89	96	185
18	19-12-23	Khutukpar	196	126	322
19	19-12-23	Maheshleta	110	155	265
20	20-12-23	Laxhmipur	325	126	451
21	20-12-23	Dumri	150	160	310
22	21-12-23	Gangasarai	256	260	516
23	21-12-23	Girdharpur	259	258	517
24	22-12-23	Pali	316	311	627
25	22-12-23	Ajnighat	153	345	498
26	23-12-23	Khutaha West	324	317	641
27	23-12-23	Khutaha East	348	366	714
28	24-12-23	Jaitpur	307	354	661
29	24-12-23	Mohanpur	200	240	440
30	25-12-23	Pipariya	160	225	385
31	25-12-23	Walipur	165	185	350
32	26-12-23	Ramchanderpur	220	180	400

33	26-12-23	Saidpur	235	185	420
34	27-12-23	Rampur	298	198	496
35	27-12-23	Chandanpura	293	182	475
36	28-12-23	Alinagar	310	382	692
37	29-12-23	Abgil Rampur	389	317	706
38	29-12-23	Kiranpur	376	307	683
39	30-12-23	Khawa rajpur	446	382	828
40	30-12-23	Bansipur	497	382	879
41	31-12-23	Tajpur	497	382	879
42	31-12-23	Maheshpur	389	317	706
43	01-01-24	Losghani	389	303	692
44	01-01-24	Kaswa	549	612	1161
45	03-01-24	Bariyarpur	615	746	1361
46	03-01-24	Madanpur	552	489	1041
47	04-01-24	Srikishun	389	482	871
48	04-01-24	Uren	535	412	947
49	05-01-24	Budhauli Bankar	452	552	1004
50	05-01-24	Toralpur	610	582	1192
51	06-01-24	Arma	525	612	1137
52	06-01-24	Amarpur	585	712	1297
53	07-01-24	Kwadpur	389	317	706
54	07-01-24	Salempur east	545	610	1155
55	08-01-24	Gosaith	651	561	1212
56	08-01-24	Chaura Rajpur	536	410	946
57	09-01-24	Mohmadpur	610	746	1356
58	21-01-24	Lakhisarai-Near KRK Town Hall	232	268	500
59	21-01-24	Lakhsarai- Community Marriage Hall	285	315	600
60	22-01-24	Lakhisarai-Near Pariya Pokhar	237	563	800
61	22-01-24	Lakhisarai-Near Sansar Pokhar	431	769	1200
62	23-01-24	Barahiya- Lohiya Bazar	300	500	800
63	23-01-24	Barahiya- Sridhar Sewa ashram	625	375	1000
64	24-01-24	Suryagarha- Shiv Durga Mahavir Mandir ward No-13	450	550	1000
65	24-01-24	Badi Durga Mandir Ward No-20	325	600	925
Total			**21493**	**21084**	**42577**

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

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
30/11/2023	Dr Arvind Kumar, AD, DRD, GoI	Seed Hub & CFLD Visit

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

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

- Year: 2023
- 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	Kharif	18ha	Sabour Sampan	155	DSR	DSR	44	44500	92400	47900
		5.3 ha	Rajendra Sweta	145	DSR	DSR	40	44400	84000	39600
Rabi	Rabi	6 ha	HD-2967	150	ZT	ZT	25	36500	59500	23000
		4 ha	HI-1563	115	ZT	ZT	21	36400	49800	13400

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	**Activities**	**Physical Achievement**	
		No. of Trainings/Demos	**No. of beneficiaries**
1)	Trainings		
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
e.	Vocational Training		
	Krishak Gosthi		
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)		
c.	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 implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2023

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
		No. of Trainings/Demos	No. of beneficiaries
1)	**Trainings**	14	476
a.	Farmer		476
b.	Women		475
c.	Rural Youths	1	15
d.	Extension Personnel		
	Input Distribution		
a.	Kitchen Garden (Summer)	100	100
b.	Kitchen Garden (Kharif)	100	100
c.	Kitchen Garden (Rabi)	100	100
d.	Mango Plant under Kitchen Garden	200	119
e.	Papaya Plant under Kitchen Garden	550	76

f.	Functional Harvesting Clothing Kit	200	200
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
	Sabour Sampan (Paddy)	1	20
	RVG-203 (Chickpea)	1	25
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)	No.1 Participants : 44	
b.	Production of seed (q)		
c.	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. (Technology Demonstration component)

a. Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
ZT Wheat var. HD 2967			16	12				34	4	46	4	50	
DSR var. Sabour Sampanna			3	11	3			2	1	13	4	17	
Crop residue management through Mushroom cultivation				0	0			14	19	14	19	33	

b. Crop Management / Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	
Flood tolerant Paddy (Var. Sabour Samapann)	37.5	9	0			62	25	71	25	96	
Biofortified Lentil var. IPL-220	16	28				41	3	69	3	72	
Improved var. Mustard (RH 725)	24	25				48	6	73	6	79	
Contingent crop Cow pea var. Kashi Gouri	1.0	20	0			30	3	50	3	53	
Improved var. Green Gram (Shikha)	12	5				63	15	68	15	83	

c. Livestock and fisheries

Name of intervention undertaken	Number of animals	No of unit	Area (ha)	No of farmers covered / benefitted	Remarks

	covered											
Effect of green fodder/mineral mixer on milk production of dairy animal				**SC**		**ST**		**Other**		**Total**		
				M	F	M	F	M	F	M	F	T
Berseem var. Multicut)	105		1.6	14				27	4	41	4	45
Oat var.Kant	105		1.6	13				28	4	41	4	45
Bajra var.Charu	140		1.3	16	3			39	11	55	14	69
Area specific mineral mixer	100			15	5			62	18	77	23	100
Dewormer	100			15	5			62	18	77	23	100

d. Institutional interventions

Name of intervention undertaken	**No of units**	**Area (ha)**	**No of farmers covered / benefitted**									**Remarks**
			SC		**ST**		**Other**		**Total**			
			M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**	
CHC	2		26				42	24	68	24	108	
SHG	8		18	28			8	40	26	68	94	

e. Capacity building

Thematic area	**No of Courses**	**No of beneficiaries**								
		SC		**ST**		**Other**		**Total**		
		M	**F**	**M**	**F**	**M**	**F**	**M**	**F**	**T**
NRM	3	23	3	-		50	24	73	27	100
Crop management/Production	16	141	6	-		340	69	441	75	516
Livestock and Fisheries	10	73	13	0	0	218	55	291	68	359

f. Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC		ST		Other		Total		
		M	F	M	F	M	F	M	F	T
Animal health camp	4	73	13	0	0	218	55	291	68	359

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
5	-	-	100	15	483	1	42

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	**No. of farmers/ beneficiaries**
FLD		
Nutritional Garden	**100 no.**	**100**
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

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

Sl.	**Name of Nutri-Smart Village**	**Type of Nutrition Garden**	**Number**	**Area (sqm)**	**No. of beneficiaries**
1.	Goura, Bhanpura, Kaniyari, Bandol & Rampur	Backyard/Kitchen Garden	80	11000	80
2.	20 schools of HalsiBlock, Lakhisarai	Community level	20	5470	20
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL			100		

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

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

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Rampur	Nutritional garden, Millets importance and its recipes	5	146
Goura	Value addition &Nutritional garden	3	76
Bhanpura	Nutritional Garden	1	21
Kaniyari	Nutritional Garden	2	63
Bandol	Balanced diet, low cost nutritious diet & Nutritional Garden	4	177

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
KVK, Lakhisarai	Nutritional Garden	1	42

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
1		

11.7Attracting and Retaining Youth in Agriculture (ARYA)

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

11.8 Out-scaling ofNatural Farming

a. Overall achievements

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	7	874
2.	Training programme	1	40
3.	Demonstrations	8	8

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries
1	Natural farming & its application	24-25 Jan 2023	On campus	40

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
1	Natural Farming awareness programme	21-01-2023	Rampur	258
2	Natural Farming awareness programme	09-02-2023	Lal Diara	156
3	Natural Farming awareness programme	17-02-2023	Garhi Bishanpur	155
4	Natural Farming awareness programme	18-12-2023	Bhanpura	50
5	Natural Farming awareness programme	20-12-2023	Dheera	81
6	Natural Farming awareness programme	21-12-2023	Kaniyari	69
7	Natural Farming awareness programme	21-03-2023	Alinagar	105

Details of Demonstrations

S.No	**Name of Crop**	**Location of Demo.**	**Area of Demo.**
1	Wheat & paddy	Ramgarh, Garhi Bishanpur, Raghunandanbigha	12

11.9District Agro Meteorological Unit (DAMU)

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

11.10 KSHAMTA

Number of Adopted Villages	**No. of Activities**		**No. of farmers benefited**	
	Demo	Training	Demo	Training

11.11 Agri-Drone

S.No	Name on the project implementation center (PIC)	No. of kisan drones sanctioned	No. of kisan drones purchased by the PIC	Procurement of no of drones in process	Area covered under the kisan drone demonstration (ha)	No. of demonstration conducted	No. of Pilot training proposed	No. of Pilot training conducted

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. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								
3.								

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I					
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
1	Awareness Programme under Mission Life Style for environment at Kaniyari	23-05-23	Kaniyari	Mission Life Style for environment	41
2	Awareness Programme under Mission Life Style for environment at Rampur	24-05-23	Rampur	Mission Life Style for environment	58
3	Awareness Programme under Mission Life Style for environment at Lai	25-05-23	Lai	Mission Life Style for environment	59
4	Awareness Programme under Mission Life Style for environment at Garhi Bishanpur	26-05-23	Garhi Bishanpur	Mission Life Style for environment	60
5	Awareness Programme under Mission Life Style for environment at lal Diyara	29-05-23	Lal Diyara	Mission Life Style for environment	54
6	Awareness Programme under Mission Life Style for environment at Gaura	30-05-23	Gaura	Mission Life Style for environment	47
7	Awareness Programme under Mission Life Style for environment at Chandanpura	31-05-23	Chandanpura	Mission Life Style for environment	54
8	Life awareness at Bhanpura	01-06-23	Bhanpura	Mission Life Style for environment	72
9	Life awareness at Raghunandanbigha	02-06-23	Raghunandanbigha	Mission Life Style for environment	72
10	Life awareness at Bandol	03-06-23	Bandol	Mission Life Style for environment	70
11	World Environment Day (Life)	05-06-23	On campus	Mission Life Style for environment	107
12	Life awareness at Bhanpura	01-06-23	Bhanpura	Mission Life Style for environment	72

11.15 Climate Resilient Agriculture Programme

1. Adopted villages:

S. No.	Name of CRA Village	GPS Coordinate
1.	Rampur	Lat.-25.184506 Long.-86.145777

2.	Garhi Bishanpur	Lat.-25.182636 Long.-86.112928
3.	Chandanpur	Lat.-25.163341 Long.-86.182352
4.	Lai	Lat.-25.163345 Long.-86.182432
5.	Lal Diara	Lat.-25.252358 Long.-86.099298

2. Demonstrations

Sr. No.	Rabi 2022-23				Summer 2023				Kharif 2023			
	Crop	Intervention	Area (acres)	Productivity (q/ha)	Crop	Intervention	Area (acres)	Productivity (q/ha)	Crop	Intervention	Area (acres)	Productivity (q/ha)
1.	Wheat (HD-2967, DBW-187)	ZT	215	48.2	Moong (Shikha)	ZT	260	12.8	Paddy	DSR	150	54.5
		ZT	125	47.5						AWD	100	50.8
										WH and FB	100	49.3
										Nutrient Expert/Green seeker/INM	50	53.7
2.	Gram (RVG-202)	ZT	100	15.4					Maize (Warrior)	Raised bed planting	100	76.3
3.	Lentil (IPL-316)	ZT	100	12.6					Finger Millets (RAU-3/8)	ZT/Line Sowing	25	14.6
4.	Mustard(Giriraj)	ZT	50	11.8					Sorghum Fodder (Trimurty-4)	ZT/Line Sowing	50	266
5.	Maize (Bahubali)	Raised bed planting	30	98.6								
6.	Potato (K. Bahar)	Raised bed planting	30	304.6								

3. Rabi 2023-24 Progress

Village Name	Crop	Technology intervention	Area (acres)
1.Rampur	Wheat	ZT	186
	Gram	ZT	41
	Lentil	ZT	35

	Mustard	ZT	43
	Maize	Raised Bed Planting	50
	Potato	Raised Bed Planting	03
Total			**358**
2.Lai	Wheat	ZT	27
	Mustard	ZT	05
Total			**32**
3.Chandanpura	Wheat	ZT	30
	Gram	ZT	03
	Lentil	ZT	05
	Mustard	ZT	02
	Maize	Raised Bed Planting	10
Total			**50**
4.Garhi bishunpur	Wheat	ZT	27
	Gram	ZT	02
Total			**29**
5.Lal diara	Wheat	ZT	50
	Gram	ZT	04
	Lentil	ZT	10
	Maize	Raised Bed Planting	70
Total			**134**
Grand Total			**603**

4. Adopted Cropping Systems

S. No.	Name of Cropping System	Demonstrated Varieties		
		Kharif	**Rabi**	**Summer**
1.	Maize-Potato-Moong	Warrior	K.Bahar	Shikha
2.	Paddy-Maize	Sabour Sampann	Bahubali(VMH-1695)	-
3.	Paddy-Wheat-Moong	Sabour Sampann	HD-2967, DBW-187	Shikha
4.	Paddy-Gram-Moong	Sabour Sampann	RVG-202	Shikha
5.	Paddy-Mustard-Moong	Sabour Sampann	Giriraj	Shikha
6.	Paddy-lentil-Moong	Sabour Sampann	IPL-316	Shikha
7.	Sorghum(Fodder)-Mustard-Moong	Sabour Sampann	Trimurtysamta / charu	-
8.	Maize-Wheat-Moong	Warrior	HD-2967	Shikha

5. Productivity of best three cropping system

S. No.	Name of Cropping System	Productivity (q/ha)		
		Kharif	**Rabi**	**Summer**
1.	Maize-Potato-Moong	76.3	304.6	12.8
2.	Paddy-Wheat-Moong	54.5	48.2	10.6
3.	Maize-Wheat-Moong	76.3	48.2	10.6

6. Profitability of best three cropping system

S. No.	Name of Cropping System	Profitability (INR/ha)		
		Kharif	**Rabi**	**Summer**
1.	Maize-Potato-Moong	110528	80300	66900
2.	Maize-Wheat-Moong	110528	84800	54600
3.	Paddy-Wheat-Moong	69455	84800	54600

7. Crop wise Productivity (CRA vs Non CRA)

Crop	Productivity (q/ha)	% increase over Non CRA

	CRA	Non CRA	
Maize (Rabi)	98.6	84.8	16.27
Paddy	54.5	46.4	17.45
Potato	304.6	260.0	17.15
Wheat	48.2	42.4	13.68

8. Crop wise Profitability (CRA vs Non CRA)

Crop	Profitability (Rs/ha)		% increase over Non CRA
	CRA	Non CRA	
Maize(Rabi)	144800	122100	18.59
Paddy	69455	47922	44.93
Potato	80300	69600	15.37
Wheat	82350	72500	13.58

9. Crop diversification

S.No.	Crops*	% of area covered in CRA village	% of area covered in non-CRAvillage
1.	Finger Millets	0.34	-
2.	Moong	3.95	0.41
3.	Mustard	2.77	1.94
4.	Maize	4.54	3.05

10. Capacity building (April-December 2023)

S. No.	Details of the Program	No. ofevents	Male	Female	No. of Beneficiaries
1.	Training programs	37	1274	96	1370
2.	Field Days	08	393	17	410
3.	Exposurevisits/Travelling Seminars	04	214	0	214
Total		49	1881	113	1994

11. Crop Residue Management

Particulars	Quantity
Bio char production	-
Straw bale formation	-
Spray of Pusa waste decomposer	75Acre
Substrate used for Mushroom production	Wheat Straw/Paddy straw 1447bag (2Kg bag size)

12. Technology Spread

S. No.	Crop	Technology Intervention	Area (Ha) in CRA Village	Area (Ha) in Non CRA Village
1.	Wheat	ZT	130	NA
2.	Paddy	DSR	160	NA
3.	Maize	ZT/Line sowing	93	NA
4.	Moong	ZT	105	NA

13. Trial experiment

Adopted CroppingSystems	Kharif		Rabi		Summer	
	Variety	Productivity (q/ha)	Variety	Productivity (q/ha)	Variety	Productivity (q/ha)

1	TPR Paddy (AWD)-Lentil(ZT)-Green Gram (ZT)	R.Sweta	38.2	IPL-316	6.0	Shikha	7.0
2	TPR Paddy (AWD)-Gram(ZT)-Green Gram(ZT)	R.Sweta	42.2	Sabour Chana-1	15.0	Shikha	6.8
3	TPR Paddy (WH&FB)-Linseed (ZT)-Green Gram (ZT)	R.Sweta	42.8	S. Tisi-1	5.0	Shikha	7.2
4	Paddy (Con.)-Lythyrus(ZT)-Green Gram (Con.)	R.Sweta	36.4	Ratan	12.0	Shikha	7.5
5	Paddy (Con.)-Wheat(Happy Seeder)-Green Gram (ZT)	R.Sweta	37.4	HD-2967	30.5	Shikha	7.2
6	TPR Paddy (WH&FB)-Wheat(ZT)-Green Gram (ZT)	R.Sweta	38.6	HD-2967	31.0	Shikha	7.0
7	TPR Paddy (INM)-Wheat (ZT)-Green Gram (ZT)	R.Sweta	42.2	HD-2967	31.5	Shikha	7.2
8	TPR Paddy (LCC)-Wheat(ZT)-Green Gram(ZT)	R.Sweta	37.4	HD-2967	31.25	Shikha	7.0
9	TPR Paddy (INM)-Mustard(ZT)-Green Gram(ZT)	R.Sweta	39.8	RS-725	4.5	Shikha	7.5
10	TPR Paddy (LCC)-Maize(RB)-Green Gram(ZT)	R.Sweta	42.5	Bahubali	9.5	Shikha	6.5

14. Best five original photographs

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

Parthenium Awareness Week

National Nutrition Month Sep 2023

Mission Life & world Environment Day

Mission Life

Rural Youth training on Mushroom Production

PM Live Programme

SAC Meeting

Swacchta hi Sewa

Vikshit Bharat Sankalp Yatra

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