

PROFORMA FOR ANNUAL REPORT 2023 (1st January-31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
K.V.K, Sipaya Farm, P.O- Sipaya, Gopalganj (Bihar) Pin: 841501	6287797171		head.kvk.sipaya@rpcau.ac.in

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

Address	Telephone		E mail
	Office	FAX	
Dr. Rajendra Prasad Central Agricultural University, Bihar, Pusa (Samastipur)-848125	06274- 240226	06274- 240255	vc@rpcau.a c.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Ramakrishna Roy	-	9135025137	head.kvk.sipaya@rpcau.ac.in

1.4. Year of sanction of KVK:2006

1.5. Staff Position (as on 31st Dec, 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. Ramakrishna Roy	Sr. Scientist & Head	Animal Science	79800-199300	16.06.2015	Permanent	Others
2	Subject Matter Specialist	Er. Naveen Kumar	SMS	Ag. Engg.	56100-177500	29.09.2018	Permanent	OBC
3	Subject Matter Specialist	Dr. Anita Gautam	SMS	Home Sc.	56100-177500	18.12.2018	Permanent	SC
4	Subject Matter Specialist	Dr. Abhsihek Rana	SMS	Plant Protection (Entomology)	56100-177500	28.03.2022	Permanent	Others
4	Subject Matter Specialist	Vacant	SMS	Agronomy	56100-177500		Permanent	
5	Subject Matter Specialist	Vacant	SMS	Horticulture	56100-177500		Permanent	
6	Subject Matter Specialist	Vacant	SMS	Ag. Extension	56100-177500		Permanent	
7	Subject Matter Specialist	Vacant	SMS	Soil Science	56100-177500		Permanent	
8	Programme Assistant	Vacant						
9	Computer Programmer	Vacant						
10	Farm Manager	Shri Ravikant Kumar	Farm Manager	Agronomy	35400-112400	08.12.2017	Permanent	OBC
11	Accountant / Superintendent	Mr. Pankaj Rai	Assistant		35400-112400	23.11.2017	Permanent	OBC
12	Stenographer	Vacant	Stenographer					
13.	Driver	Vacant						
14.	Driver	Shri Gunjan Kumar						
15.	Supporting staff	Shri Nilesh Kumar	SSS	-	18000-56900	01.03.2021	Permanent	OBC
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha)

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	-	
2.	Under Demonstration Units	-	
3.	Under Crops	13.0	Cultivable area (Agricultural crops)
4.	Orchard/ Agro-forestry	1.0	Cultivable area (Fruit crops)
5.	Others with details	6.0	Non cultivable area
	Total	20	

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					✓		Use	ICAR
2.	Farmers Hostel					✓		Use	ICAR
3.	Staff Quarters (4)					✓		Not in use	ICAR
4.	Piggery unit								
5.	Fencing					✓		Use	University
6.	Rain Water harvesting structure								
7.	Threshing floor					✓		Use	ICAR
8.	Farm godown					✓		Use	ICAR
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade net					✓		Use	NHM
15.	Soil test Lab (Mridaprikshak)					✓		Use	ICAR
16.	Others,Please Specify (Shade net)					✓		Use	University
17.	Others,Please Specify (Mini irrigation)					✓		Use	ICAR
18.	Others,Please Specify (Mini irrigation)					✓		Use	RF/GoB
19.	Others,Please Specify (Solar tree)					✓		Use	University
20.	(Polyhouse)					✓		Use	University
21.	Others,Please Specify (Mother orchard)					✓		Use	University

* 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
Jeep (Bolero)				Old condemned and new vehicle unavailable

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Moisture meter	2012	1200	Good	DSF, Dholi
Digital scale (cap 2kg)	2017	4100	Good	ICAR
E-scale (Cap 6 kg)	2017	1961	Good	ICAR
b. Farm machinery				
Tractor	2006	328738	Good	ICAR
M.B plough	2006	16058	Not working	
Hydraulic trailr	2006	62500	Good	
Leveller	2006	76052	Good	
Power weeder	2010	75000	Not working	Department of S/C
Sugar cane cutter planter	2011	72450	Good	Department of S/C
Square baler	2012	840000	Good	GoB
Zero Till Drill			Good	
Cultivator	2017	22000	Good	ICAR
Disc Harrow	2017	43000	Good	ICAR
c. AV Aids				
Computer & Accessories	2007	70000	Good	ICAR
Handycam DCR-DVD 710E	2009	24990	Not working	ICAR
Multimedia Projector	2009	95000	Good	ICAR
Photostat machine	2009	64000	Not working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Avery balance	2009	39398	Not working	Department of S/C
Bag closer machine	2010	5400	Not working	DSF, Dholi
Sprayer hi Tech	2007	1250	Good	Department of S/C
Sprinkler System	2007	30,000	Not working	Department of S/C
Ridger	2007	8500	Not working	Department of S/C
Dal maker	2007	6200	Not working	Department of S/C
Hand operated fan (winnow)	2007	2850	Not working	Department of S/C
Disc Harrow	2007	43000	Not working	
9 tyne cultivator (Rigid)	2007	22000	Not working	
Rocker Sprayer (Aspee)	2008	4100	Good	Department of S/C
HDPE pipe full set PCN one	2008	30000	Not working	Department of S/C
Cultivator 9 tyne	2008	14500	Good	Department of S/C
Aspee Balo power sprayer	2009	6000	Not working	Department of S/C

Knapsack sprayer (Aspee)	2009	6000	Good	Department of S/C
Avery balance	2009	39398	Not working	Dept of S/C
Disc Plough	2010	24600	Good	Department of S/C
Disc bund former	2010	16900	Good	Department of S/C
Ridger	2010	17500	Good	Department of S/C
Power weeder	2010	75000	Good	Department of S/C
Duster	2010	7900	Not working	
Bag closer machine	2010	5200	Not working	DSF, Dholi
Bag stiching machine	2010	5400	Not working	DSF Dholi
Mobile seed processing plant	2010	970000	Not working	
Raised bed seeder cum sugarcane cutter planter	2011	72622	Not working	
Markant-55 sqrare baler	2012	840000	Not working	
Aspee Rocker sprayer	2014	6250	Good	
Cane cultivator	2015	13500	Good	
Agricultural tractor 30 DI	2019	482076	Good	ICAR
John Deree Tractor	2019	612036.84	Good	ICAR
Tractor operated Laser	2020	291200	Good	ICAR
Land leveler cultivator	2020	27776	Good	ICAR
Zero till seed cum fertilizer	2020	43120	Good	ICAR
Mini Dal mill	2020	94500	Good	ICAR
Happy Seeder	2020	158747	Good	ICAR
Multicrop Thresher	2020	128800	Good	ICAR
Reversible M.B plogh	2020	114240	Good	ICAR
Multicrop/Inclined plate	2020	99799	Good	ICAR
Self propelled reaper cum binder	2020	520000	Good	ICAR
Mainfed heavy duty Sisc plogh	2021	72492	Good	ICAR
Tractor operated boom sprayer	2021	160499	Good	ICAR
Tractor towed Aro blast electrostatic	2021	761600	Good	ICAR
Power tiller	2021	212800	Good	ICAR
Tractor J.D 5305	2021	671580.31	Good	CRAP
Laser Land levellar	2021	248000	Good	CRAP
Hydraulic tractor trolly	2021	143400	Good	ICAR
Rotavator	2021	96240	Good	ICAR
Multicrop Planter	2021	77549	Good	CRAP
Tractor operated reaper cum binder	2021	342000	Good	ICAR
Happy seeder	2021	140000	Good	CRAP
Zero till seed cum fertilizer	2021	72000	Good	CRAP

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	04.10.2023	20	Annexure-I		

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants (Attached)

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

Sl. no.	Item	Information				
1	Major Farming system/enterprise	i. Crop based farming System a. Rice-wheat b. Rice-wheat-green gram c. Sugarcane-wheat ii. Dairy iii. Poultry iv. Goat				
2	Agro-climatic Zone	Zone-I				
3	Agro ecological situation (AES)	AES	Characteristics			
		Upland	Sandy loam soil, flat topography, no water logging, calcareous soil having free calcium carbonate 30-40%, easier in tillage operation with medium water table.			
		Medium land	Soil loam in texture, flat topography, water logging for shorter period, calcareous soil with 20-30% free calcium carbonate, Low water holding capacity & good quality ground water.			
		Low land	Deep soil, clay loam texture, flat in topography, tillage operation is difficult, high water table.			
	Diara land	Soil is sandy in texture. Highly porous with poor water holding capacity.				
4	Soil type	Soil Type	Characteristics			
		Sandy Loam	Light soil, 30-40% free calcium carbonate, 7.8-8.5 pH, low fertility status, deficient in P,K,Zn,Fe,S and B with low organic carbon			
		Loam	Medium soil,20-30% free calcium carbonate, 8.0-8.5 pH, low to medium fertility status, deficient in P,K,Zn,Fe,B and S. Low in organic carbon			
		Clay Loam	Medium to heavy texture, <20% free calcium carbonate, <8.0pH, low to medium fertility status, deficient in P,Zn and S with low in organic carbon.			
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	S.N.	Crop	Area (ha)	Production (q)	Productivity (q/ha)
		1.Cereals	Rice	88000	1456000	17.49
			Wheat	97000	1944000	26.13
			Maize	10000	311600	31.07
		2. Pulses	Lentil	1840	16560	9.00
			Pigeonpea	6956	35615	5.12

		Pea	2375	18050	7.60		
	3. Oilseeds	Mustard	3842	35731	9.30		
		Linseed	1260	7560	6.00		
	4. Cash Crop	Sugarcane	36223	16278410	449.40		
		Potato	1205	229311	190.30		
	5. Vegetables	Cauli flower	1903	225696	118.60		
		Cabbage	1060	170342	160.70		
		Tomato	1571	240834	153.30		
	6. Spices	Garlic	23	1450	63.00		
		Coriander	13	110	8.30		
6	Mean yearly temperature, rainfall, humidity of the district	<u>Month</u>	<u>Temperature (^o C)</u>		<u>Average Rainfall (mm)</u>	<u>Relative Humidity</u>	
			<u>Min Temp</u>	<u>Max Temp</u>		<u>Max</u>	<u>Min</u>
		January, 2022	6.23	23.20	12.9	77.50	57.91
		February, 2022	11.39	26.32	13.4	67.26	46.21
		March, 2022	16.34	32.50	0.0	51.41	30.82
		April, 2022	22.18	37.49	0.0	45.50	24.71
		May, 2022	26.53	41.02	33.7	56.53	33.79
		June, 2022	27.61	38.16	95.56	70.76	54.74
		July, 2022	26.14	32.99	134.9	82.48	73.64
		August, 2022	26.10	32.45	194.2	83.45	76.52
		September, 2022	25.32	32.23	260.3	81.85	75.39
		October, 2022	21.52	31.84	60.33	74.82	67.91
		November, 2022	14.57	28.73	0.0	70.76	60.66
December, 2022	9.8	24.62	22.6	75.30	59.69		
7	Production of major livestock products like milk, egg, meat etc.	Category		Population (in '000)	Productivity		
		Cattle					
		Crossbred		84.0	2000 L/lactation. 10-12 L/day		
		indigenous		123.5	1000 L/lactation, 4-5 L/day		
		Non descriptive buffaloes (Local low yielding)		72.6			
		Descriptive buffaloes		42.0			
		Sheep					
		indigenous		1.3			
		Goats		216.2	10 kg meat/Goat		
		Pigs					
		indigenous		7.5			
		Poultry					
Commercial		76.7					

		Layer	280 eggs/bird
		Broiler	1.5-2 kg live wt. /bird
	Ducks	0.56	
	Fisheries		
	Farmer owned ponds	30 nos.	2.0 t/ha
	Reservoirs	229	
	Village tanks	209	
	Water spread area (ha)	997.8	
	Fish Production (in '000 tons)	2113.4	
	Yield (t/ha)	3.2	

2b. 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.	Kuchaikote	Khemamtihiniya	Paddy, wheat, sugarcane, vegetables, Pulses, Oilseed, Dairy	Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises.
2.	Kuchaikote	Amwa Bijaypur	Paddy, wheat, mustard, Horticulture and vegetables	Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises. Disease diagnostic services, vaccines Treatments
3.	Kuchaikote	Narayanpur	Paddy, wheat, mustard, potato, Oilseeds, Pulses	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings, Farm mechanization, addressing crops and livestock disease and pests
4.	Kuchaikote	Sipaya	Paddy, wheat, mustard, maize, vegetable, Sugarcane	Cereals-traditional farming, imbalance use of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	Crop diversification, High value agriculture, ZT, happy seeder, skill oriented trainings for agri-based enterprises.
5.	Kuchaikote	Bishunpura	Vegetable, Paddy, Wheat, Maize, Potato, Oilseeds, Pulses (Pigeon Pea)	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock

6.	Kuchaikote	Tiwari Matihiniya	Paddy, Wheat, Oilseed, Potato	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
7.	Kuchaikote	Shyampur	Paddy, wheat, mustard	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
8.	Kuchaikote	Kaithwaliya	Paddy, wheat, mustard, lentil	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
9.	Kuchaikote	Dubauliya	Paddy, wheat, mustard, lentil	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
10.	Unchkagaon	Khutwaniya	Paddy, wheat, mustard	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings on mushroom, livestock, horticultural crops and cereals, addressing crops and livestock disease and pests,
11.	Gopalganj	Chaturbagha	Paddy, wheat, maize, sugarcane, mustard	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in High Value Agriculture especially horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests.
12.	Gopalganj	Baraipatti	Paddy, wheat, maize, sugarcane, mustard, potato	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in Rural crafts, embroidery, processing and value addition, horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests

2c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2023) for its development and action plan

Name of village	Block	Action taken for development
Khemmatihiniya (adopted by Sr. Scientist and Head)	Kuchaikote	Trainings on Dairy farming, Disease Diagnostic and Treatments, Addressing production problems in crops and livestock, CFLD, FLD
Baliwansagar (adopted by SMS Home Sc.)	Gopalganj	Data collection, Trainings, FLDs
Narayanpur (adopted by SMS, Ag. Engg.)	Gopalganj	Trainings, CFLD (Oilseed), FLDs
Kaithwaliya, Dubauliya, Khutwaniya, Binodmatihiniya,	Kuchaikote	CFLD (oilseed and Pulses)

Kalamatihinya, Tiwari Khareya, Narayanpur (Sr. Sc & Head, SMS, Ag. Engg)		
Bishunpura, Tiwari Matihiniya, Sipaya, Baraipatti, Khem Matihiniya (Sr. Sc & Head, SMS, Ag. Engg.)	Kuchaikote, Gopalganj	Climate Resilient Agriculture Programme (CRAP)
Sipaya (SMS, Plant Protection, Entomology)	Kuchaikote	Trainings, awareness programmes, demonstrations

2.1 Priority thrust areas

S. No	Thrust area
1.	Needs to sustain crop productivity through integrated crop and field management approach
2.	Crop diversification
3.	Need to increase area under Vegetables/horticultural/medicinal crops.
4.	Establishment of employment generated agri -based enterprises like seed production/Vermi culture/nursery development/poultry and dairy.
5.	Need based seed production in seed villages to meet the requirement of the district.
6.	Needs to increase cultivation of pulse/oil seed crops which is marginal in the district.
7.	Integrated Disease and pest management
8.	Integrated Nutrient management
9.	Prevention, control and treatment of livestock Diseases
10.	Awareness on deworming and vaccination
11.	Mineral supplementation and protein incorporation in livestock feed
12.	Green fodder cultivation

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
7	4	63	0	4	0	0	28	0	28	4	32	8	5	125	89	28	0	0	90	22	179	40	219

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
118	78	2990	156	249	0	0	1100	485	1252	734	1986	-	826	-	1604	114	0	0	22241	16459	23845	16573	40418

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		

Seed production (q)					Planting material (in Lakh)				
Target		Achievement			Target		Achievement		
636		328.1			0.86		0.046		

Livestock strains and fish fingerlings produced (in lakh)*					Soil, water, plant, manures samples tested (in lakh)				
Target		Achievement			Target		Achievement		
0		0.015							

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	04		04	10.7	8.05	-	-
Seminar/conference/symposia papers							
Books							
Bulletins							
News letter							
Popular Articles	01(Submitted)						
Book Chapter	02 (Sumbitted)						
Extension Pamphlets/literature	04						
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	9						

3.2 ACHIEVEMENTS 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			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology	02	08	08

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	02	08	08
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	04	16	03
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
	Total	04	16	03
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			
D	Technologies assessed under miscellaneous enterprises by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction	02	14	03
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition	02	08	08
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	04	22	11
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	02	07	05
4	Value Addition			
5	Others			
	Total	02	07	05

3.2.2 OFT (All discipline)

OFT-1

- **Thematic area: RCT**
- **Problem definition/Name of OFT: Assessment of Happy seeder for wheat sowing under crop residue management**

1	Title of On farm Trial (OFT)	Assessment of Happy seeder for wheat sowing under crop residue management
2	Problem diagnosed	Delayed wheat sowing into combine harvested rice stubbles field due to conventional practices, Delayed wheat sowing in low land area due to moisture retention, high cost of cultivation in conventional method of wheat sowing
3.	Details of technologies selected for assessment	FP: Broadcasting (in tilled condition)
		TO1: Sowing of wheat by Happy seeder incorporating the crop residue
		TO2: Removal of crop residue and sowing by Zero Till drill
4	Sources of technology	PAU, Punjab, RPCAU, Pusa, CIAE, Bhopal
5	Production system and thematic area	Mechanized farming and RCT
6.	Performance of the technology with performance indicator	No. of effective tillers/hill, No. of grain per ear head, wheat yield, cost of cultivation and Benefit-cost ratio.
7	Final recommendation for micro level situation	Sowing of wheat by Happy seeder incorporating the crop residue may best option.
8	Constraint identified and feedback for research	Low window of operation of the machine, low machine capacity with conventional seed drill, the inability to operate in wet straw, the lack of straw spreaders on the combine, The stubble field does not look visually appealing, lack of familiarity with the practice, custom hiring centers at a village level may promote zero tillage technology.
9	Process of farmers participation and their reaction	Field visits, trainings

Table 1 Assessment of Happy seeder and zero till drill on yield & economics of wheat sowing.

Technology option	Yield Component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (q/ha)	Net Return (Rs/ha)	BC ratio
	No. of effective tiller/hill	No. of grain per ear head	Test wt. grain (100 seed), gram					
FP : Broadcasting (In tilled conditions)	10.6	30 ^a	2.98 ^a	29.8 ^a	32714	63325	28611	1.82
TO1: Sowing of wheat by happy seeder incorporating the crop residue	15.2	40 ^b	3.86 ^b	33.8 ^b	30409	71825	41416	2.36
TO2: Removal of crop residue and sowing by Zero till drill	12.8	38 ^b	3.66 ^b	32.5 ^b	29804	69062	39258	2.32
SEm ±		1.468	0.033	0.689				
CD at 5%		4.496	0.101	2.109				



Wheat sowing by Happy Seeder



Crop cutting of Happy seeder sown field

OFT-2

- **Thematic area: Post Harvest Technology**
- **Problem definition/Name of OFT: Assessment of different packaging materials on the shelf life of oyster mushroom**

1	Title of On farm Trial (OFT)	Assessment of different packaging materials on the shelf life of oyster mushroom
2	Problem diagnosed	Perishable, Less shelf life
3.	Details of technologies selected for assessment	FP: Sun drying
		TO1: Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer)
		TO2: Biodegradable LDPE bag (40-60 micron or 100-150 gauge) (wash in plain water, pretreated with 0.1% Citric acid and 0.05 % KMS)
4	Sources of technology	RPCAU, Pusa
5	Production system and thematic area	Food Processing and Preservation
6.	Performance of the technology with performance indicator	Rehydration ratio, colour and overall acceptability
7	Final recommendation for micro level situation	Solar drying may best option
8	Constraint identified and feedback for research	.
9	Process of farmers participation and their reaction	Field visits, trainings

Table 2 Assessment of different packaging materials on the shelf life of oyster mushroom

Treatments	Rehydration Ratio				Colour				Overall acceptability			
	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days
FP: Sun drying	2.85 ^b	2.65 ^b	2.39 ^b	2.22 ^b	6.3 ^c	6.1 ^c	5.8 ^c	5.5 ^c	6.4 ^c	6.2 ^c	5.7 ^c	5.3 ^c
TO1: Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer)	3.69 ^a	3.62 ^a	3.56 ^a	3.46 ^a	7.3 ^b	7.1 ^b	6.8 ^b	6.7 ^b	7.2 ^b	6.9 ^b	6.7 ^b	6.5 ^b
TO2: Biodegradable LDPE bag (40-60 micron or 100-150 gauge) (wash in plain water, pretreated with 0.1% Citric acid and 0.05 % KMS)	3.75 ^a	3.70 ^a	3.64 ^a	3.52 ^a	8.5 ^a	8.3 ^a	8.0 ^a	7.7 ^a	8.6 ^a	8.4 ^a	8.1 ^a	7.8 ^a
SEm ±	0.29	0.34	0.40	0.42	0.64	0.63	0.69	0.62	0.64	0.66	0.71	0.73
CD (0.05)	0.172	0.154	0.216	0.217	0.141	0.308	0.276	0.250	0.157	0.271	0.291	0.30



Oyster mushroom with TO1 and TO2



Sun drying using low cost solar dryer

OFT-3

- **Thematic area: Pest Management**
- **Problem definition/Name of OFT: Assessment of bio-intensive management practices for major pests in tomato**

1.	Title of On farm Trial (OFT)	Assessment of bio-intensive management practices for major pests in tomato
2.	Problem diagnosed	Tomato crop is attacked by various pests at different stages
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<p><i>Farmers Practice (FP):</i> Use of chemical pesticides (Novaluron 05.25 % + Indoxacarb 04.50 % SC @ 1.5 ml/lt: for fruit borer and Imidacloprid 17.8 SL @ 1ml/2lt: for sucking pests)</p> <p><i>Technology option-I (TO-I):</i></p> <ul style="list-style-type: none"> • Application of Bio consortia of IIHR (Soil application) • Seed treatment by <i>P. fluorescens</i>@10 g/kg • Nursery bed treatment by <i>P. fluorescens</i>@20 g/ m2 • Soil application <i>P. fluorescens</i> @5 kg/ha mixed with 500 kg vermi-compost/ha at 30 days after transplanting • Spray of HNPV @ 250 LE /ha <p><i>Technology option-II (TO-II)</i></p> <ul style="list-style-type: none"> • Soil application of Bio consortia of IARI • Seed treatment by <i>Trichoderma viridae</i> @10 g/kg • Nursery bed treatment by <i>Trichoderma viridae</i> @50 g/ m2 • Soil application <i>Trichoderma viridae</i> @5 kg/ha mixed with 500 kg vermi-compost/ha at 30 days after transplanting • Spray of HNPV@ 250 LE /ha
4.	Source of Technology (ICAR/ AICRP/SAU)	-
5.	Production system and thematic area	Vegetable; Pest Management
6.	Performance of the Technology with performance indicators	Fruit infestation (%), Disease incidence (%), Pest population, Yield, B:C
7.	Final recommendation for micro level situation	TO-I and TO-II can be used against tomato fruit borer. TO-II involving <i>T. viridae</i> as a bioagent against fungus can be utilized against late blight of tomato. For sucking pests' complex, systemic pesticide i.e. Imidacloprid 17.8 SL can be utilized.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Field visits, trainings, demonstrations



Table 3 Efficacy of bio-intensive management practices against major pests of tomato

Technology options	Fruit borer (<i>H. armigera</i>)				Sucking pests (aphids & whiteflies)				Late blight			
	Fruit infestation (%)				No. of individuals/plant				Disease incidence (%)			
	6 DAS*	12 DAS	18 DAS	Mean	2 DAS	4 DAS	6 DAS	Mean	45 DAP**	65 DAP	85 DAP	Mean
Farmers Practice (FP)	15.30 (3.90)	15.55 (4.06)	14.44 (3.92)	15.10 (3.96) ^a	42.00 (6.52)	43.78 (6.67)	47.23 (6.92)	44.34 (6.70) ^a	10.65 (3.23)	12.50 (3.51)	16.20 (4.01)	13.12 (3.58) ^a
Technology option-I (TO-I)	12.26 (3.49)	11.77 (3.55)	11.85 (3.58)	11.96 (3.54) ^b	61.67 (7.90)	72.44 (8.57)	72.11 (8.55)	68.74 [#] (8.34) ^b	8.33 (2.84)	10.88 (3.28)	13.89 (3.72)	11.03 (3.28) ^{ab}
Technology option-II (TO-II)	11.35 (3.36)	11.72 (3.56)	12.04 (3.61)	11.70 (3.51) ^b	60.22 (7.76)	74.00 (8.65)	75.67 (8.74)	69.96 [#] (8.38) ^b	6.25 (2.40)	8.10 (2.80)	11.81 (3.41)	8.72 (2.87) ^b
CD (P =0.05)				(0.30)				(0.65)				(0.50)

Figures in parentheses are square root transformed values

*Days after spray; **Days after planting

#No specific spray was given for sucking pests in TO-I & TO-II; but data were recorded simply following the same trend as in case of FP where insecticidal spray was given by the farmers

 <p>Bishunpura, Bihar, India G7M7+J6P, Bishunpura, Bihar 841503, India Lat 26.533657° Long 84.26351° 14/11/22 02:33 PM GMT +05:30</p>		
 <p><i>H. armigera</i> larval damage on tomato fruit</p>	 <p>Late blight symptoms on tomato leaves</p>	 <p>Aphids feeding on tomato leaves</p>

OFT-4

- **Thematic area: Pest Management**
- **Problem definition/Name of OFT: Integrated Pest Management of litchi fruit borer (*Conopomorpha sinensis*)**

1.	Title of On farm Trial (OFT)	Integrated Pest Management of litchi fruit borer (<i>Conopomorpha sinensis</i>)
2.	Problem diagnosed	Pest infestation leads to fruit drop and poor quality of fruit
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<p><i>Farmers Practice (FP)</i>: untreated or spray of any insecticide as per suggestion of other farmer or input dealers.</p> <p><i>Technology option-I (TO-I)</i>:</p> <ul style="list-style-type: none"> • Two sprays of systemic insecticide viz., Imidacloprid 17.8 SL @0.5-0.7 ml/lit during September at 15 days interval on emerging shoots. • Spray of NSKE before flowering to avoid egg laying. • Spray of Novaluron 10 EC @1.5 ml/lit at clove size. • Spray of Emamectin Benzoate 5 SG (0.4g/l) during aril (pulp) development stage. • Last spray of Novaluron 10 EC @1.5 ml/l at about 10 days before expected fruit harvesting. <p><i>Technology option-II (TO-II)</i>:</p> <ul style="list-style-type: none"> • Deep ploughing of orchard twice a year (just after fruit harvest and in the month of November / December) • Pruning and destruction of affected twigs twice a year (at fruit harvest stage and at new flush stage i.e., September / October) • Soil application of 4 kg Castor cake+1 lit NSKE/tree in first fortnight of July • Spraying of Spinosad 45 SC at new flush stage (September / October) and at fruit colour break stage (Last week of April).
4.	Source of Technology (ICAR/ AICRP/SAU)	-
5.	Production system and thematic area	Fruit production; Pest Management
6.	Performance indicators	Fruit infestation (%), Yield, B:C
7.	Final recommendation for micro level situation	TO-I can be adopted by the farmers for timely application of different practices against litchi fruit borer. In TO-I, different pesticides were applied during different crop growth stages such as flowering stage (neem application), clove size stage (Novaluron 10 EC @1.5 ml/lit), aril development stage (Emamectin Benzoate 5 SG @0.4g/l) and 10 days before harvest (Novaluron 10 EC @1.5 ml/l) which may be the reason of its superiority among other technologies where timely application of practices was not followed.17.8 SL can be utilized.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation	Field visits, trainings, demonstrations

Table 4 Effect of different management practices against litchi fruit infestation and economic analysis of litchi

Technology options	Fruit borer infestation (%)					Economic analysis				
	Early stage	Mid stag	Harvest stage	Mean	Reduction in infestation over FP (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C ratio
Farmers Practice (FP)	6.92 (2.62) ^a	20.24 (4.50) ^a	24.16 (4.91) ^a	17.10 (4.25) ^a	-	61.50 (7.91)	62000	246000	184000	3.96
Technology option-I (TO-I)	1.75 (1.30) ^c	8.04 (2.82) ^c	12.87 (3.58) ^c	7.55 (2.92) ^c	55.85	78.50 (8.91)	68000	314000	246520	4.62
Technology option-II (TO-II)	3.20 (1.78) ^b	11.95 (3.45) ^b	16.50 (4.05) ^b	10.55 (3.40) ^b	38.30	72.88 (8.59)	65000	291520	226520	4.48
CD (P =0.05)	(0.21)	(0.26)	(1.13)	(0.13)						

Figures in parentheses are square root transformed values

Litchi sale rate= Rs. 4000/q



Demonstration



Application of pesticides on litchi plant

OFT-5

- **Thematic area: Drudgery Reduction**
- **Problem definition/Name of OFT: Evaluation of sugarcane stripper in drudgery reduction**

1.	Title of On farm Trial (OFT)	Evaluation of sugarcane stripper in drudgery reduction
2.	Problem diagnosed	Injuries to workers in sugarcane stripping operation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<i>Farmers Practice (FP):</i> People use local made sickles for stripping operation often causing injury <i>Technology option-I (TO-I):</i> Sugarcane stripper (IISR, Lucknow) <i>Technology option-II (TO-II):</i> Sugarcane detrassing tool (ICAR- Sugarcane breeding institute Coimbatore)
4.	Source of Technology (ICAR/ AICRP/SAU)	-
5.	Production system and thematic area	Drudgery reduction
6.	Performance indicators	Time, Percentage in injury reduction
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation	Field visits, trainings

Results: Awaited

OFT-6

- **Thematic area: Milk adulteration**
- **Problem definition/Name of OFT: Assessment of adulteration in milk used by people from different sources.**

1.	Title of On farm Trial (OFT)	Assessment of adulteration in milk used by people from different sources.
2.	Problem diagnosed	Adulterants for duping on quality milk; adulterants cause health risks
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<i>Farmers Practice (FP):</i> Tests for adulterants not practiced by the consumers <i>Technology option-I (TO-I):</i> Adulterant detection kit (NDDB, Anand) <i>Technology option-II (TO-II):</i> Adulterant detection kit (NDRI, Karnal)
4.	Source of Technology (ICAR/ AICRP/SAU)	NDDB, Anand and NDRI, Karnal
5.	Production system and thematic area	Production of quality animal product
6.	Performance indicators	Pre-assessment of knowledge, attitude and practice of farmwomen, interventions, post assessment of knowledge, attitude and practice B: C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation	Field visits, trainings

Results: Awaited

OFT-6

- **Thematic area: Poultry Production**
- **Problem definition/Name of OFT: Low cost Backyard Poultry**

1.	Title of On farm Trial (OFT)	Low cost Backyard Poultry
2.	Problem diagnosed	Proper body weight not achieved in backyard poultry
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	<i>Farmers Practice (FP):</i> Scavenging in backyard poultry <i>TO-I:</i> 30 grams maize and 10 grams mustard cakes with scavenging /bird <i>TO-II:</i> 30 grams moringa dry leaves and 10 grams earthworms with scavenging/bird
4.	Source of Technology (ICAR/ AICRP/SAU)	Directorate of Poultry, Hyderabad
5.	Production system and thematic area	Extensive system and poultry production
6.	Performance indicators	Pre-assessment of knowledge, attitude and practice of farmwomen, interventions, post assessment of knowledge, attitude and practice; B: C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation	Field visits, trainings

Results: Awaited

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 (ha)	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
	Cereals					
	Oil Seed					
	Pulses					
	Horticulture Crops (vegetables)	01	0.4	11	218.05	188.82
	Other crops					
	Hybrid crop					
	Livestock	4	10.5	89		
	Fisheries					
	Other enterprises					
	Women empowerment	1	-	6		
	Farm Machinery	1	-	18		
	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		
Maize	Pest management	Emamectin benzoate 5SG	08	02													
Total			08	02	Result awaited												

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		
	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

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 (SCSP)	Poultry Production	Kuroilers	80	80	2.0 kg Live wt.	1.5 kg Live wt	33	-	-	Rs. 180/bird	Rs. 400/bird	Rs.220/bird	2.2	Rs. 160/bird	Rs.300/bird	Rs.140/bird	1.9	
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	
Oyster mushroom																	
Button mushroom																	
Vermicompost																	
Sericulture																	
Apiculture																	
Others (pl.specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total		0	0		

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	01	Self propelled reaper cum binder	Wheat	10	04					56.83
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	05.01.2023	01	25	
		25.01.2023	01	44	
		28.01.2023	01	28	
		07.02.2023	01	10	
		June, 2023	01	15	
		22.09.2023	01	179	
2.	Farmers Training	01.04.2023	01	25	
		06.04.2023	01	25	
		30.04.2023	01	29	
		11.05.2023	01	25	
		22.09.2023	01	179	
		17.10.2023	01	25	
		18.10.2023	01	25	
		28.10.2023	01	25	
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back

A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)**(Pulse- Kharif 22-23)****1. Technical Parameters:**

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	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
01	Pigeon Pea	Baishakha	11.25	-201	-482	- 1375	Rajendra Arhar-1,+ Line sowing, Raised bed	50	20	16.5	10.5	14.50	9.3	-9.76	-42

B. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Dark brown and oval seed, resistant to sterility mosaic and moderately resistant to wilt	Lush green colour, medium grain size, preferred by farmers	Good	Very good due to high yield

C. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	27.07.2022, Bindwaliya	25
02	Field Visit	13.10.2022, Barraipati	5
03	Field Day	07.02. 2023, Dubauliya	10

D. Sequential good quality photographs (as per crop stages i.e. growth & development)



Raised Bed planting of Pigeon Pea



Tillering Stage

E. Farmers' training photographs



F. Quality Action Photographs of field visits/field days and technology demonstrated



Technology demonstrated



Field Visit



Field Visit



Field Day

G. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	164000	154565	9435
	ii) TA/DA/POL etc. for monitoring	6000	0	6000
	iii) Extension Activities (Field Day)	5000	0	5000
	iv) Publication of literature	5000	2576	2424
	Total	180000	157141	22859

(Oilseeds- Rabi 22-23)**1. Technical Parameters**

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.t.			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
01	Rapeseed and Mustard	Panchali	11.35	87	395	-110	Rajendra Suflam + Seed treatment, PSB Herbicides, Micronutrients (Zinc and Sulphur), Insecticides	130	50	18.6	11.4	15.2	6.07	35.11	-36.66

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
01	Rajendra Suflam + Seed treatment, PSB Herbicides, Micronutrients (Zinc and Sulphur), Insecticides	25300	61857	36557	2.44	25850	82840	56990	3.21

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)
01	Rapeseed and Mustard, Rajendra Suflam	76600	160	54.5	70	40	Family need	28

B. 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
01	Rajendra Suflam + Seed treatment, PSB Herbicides, Micronutrients (Zinc and Sulphur), Insecticides	Yes	Yes	Yes	No	75 %	NA

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Medium Plant Height	Very Good in timely sown condition	Better	High Yield, High oil content, Even performs better in late sown conditions

D. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	14.10.22, at KVK	24
		07.11.22, at KVK	30
		18.11.22, Binodmatihiniya	47
		23.11.22, Kalamatihiniya	05
02	Field Visit	12.01.23, Binodmatihiniya	05
		25.01.23, Kaithwaliya	05
		28.01.23, Naraynapur	10
		07.02.23, Dubwaliya	05
03	Field Day	05.01.23, Baliwansagar	25
		25.01.23, Kaithwaliya	44
		28.01.23, Narayanpur	27
04	Crop Cutting	03.03.2023, Amwaviyapur, Dubwaliya & Kaithwaliya	15

E. Sequential good quality photographs (as per crop stages i.e. growth & development)



Growth Stage



Flowering stage



Flowering stage



Pod formation stage

F. Farmers' training photographs



Training



Training cum critical inputs distribution

G. Quality Action Photographs of field visits/field days and technology demonstrated



Field Visit



Field Day



Field Day



Crop Cutting

H. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	270000	264775	5225
	ii) TA/DA/POL etc. for monitoring	30000	5788	24212
	iii) Extension Activities (Field Day)			
	iv) Publication of literature			
	Total	300000	270563	29437

(Pulse- Rabi 22-23)**1. Technical Parameters**

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	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
01	Lentil	BR-25	9.25	-281	-8	-675	IPL 220 + Seed treatment, Biofertilizers, Pesticides, micronutrients	60	20	14.5	7.65	11.5	-4.86	18.86	-39.13

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
01	IPL 220 + Seed treatment, Biofertilizers, Pesticides	21325	50875	29550	2.38	23700	63250	39550	2.66

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)
01	IPL 220 + Seed treatment, Biofertilizers, Pesticides, micronutrients	57500	54	48	55	15	Family need	16

A. Pulses 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
01	IPL 220 + Seed treatment, Biofertilizers, Pesticides, micronutrients (sulphur)	Yes	Seed size, colour, taste	All farmers can afford	No	yes	Timley sowing in assured moisture increase yield

B. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Resistance to rust and wilt	Better yield	Good	Better than local check

C. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	07.11.22, KVK	25
02	Field Visit	28.01.23, Narayanpur	10
		07.02.23, Dubauliya	05
03	Field Day	05.01.23, Dubauliya	10

D. Sequential good quality photographs (as per crop stages i.e. growth & development)

E. Farmers' training photographs



Training

F. Quality Action Photographs of field visits/field days and technology demonstrated



Field Visit



Field Day

G. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	164000	120340	43660
	ii) TA/DA/POL etc. for monitoring	8000	3500	4500
	iii) Extension Activities (Field Day)	5000	0	5000
	iv) Publication of literature	3000	2376	624
	Total	180000	126216	53784

(Pulse- Summer 22-23)**1. Technical Parameters**

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	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
01	Green Gram	Sona	7.85	58	90	- 715	IPM-02-14+ Seed treatment, Biofertilizers, micronutrients, Insecticides	60	20			7.85			

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
01	IPM-02-14+ Seed treatment, Biofertilizers, micronutrients, Insecticides	17346	53475	36129	3.08	19500	60837	41337	3.11

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)
01	Moong, IPM-02-14+ Seed treatment, Biofertilizers, micronutrients, Insecticides	15700	800	70	48	672	Family need	16

A. Pulses 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
01	IPM-02-14+ Seed treatment, Biofertilizers, micronutrients, Insecticides	Early maturity suitable for next kharif season	Medium seed lush green crop	All farmers can afford	Nil	Yes	Early showing under assured moisture increase yield

B. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Resistance to yellow mosaic disease, Medium seed	Lush green colour, medium grain size, preferred by farmers	Good	Much better than local

C. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	01.04.2023, KVK	25
		06.04.2023, KVK	25
02	Field Visit	11.05.2023, Dubauliya	5
		19.05.2013, Amwavijaypur	5
03	Field Day	19.06. 2023, Amwavijaypur	15
		20.06.2023, Amwavijaypur	10

D. Sequential good quality photographs (as per crop stages i.e. growth & development)

E. Farmers' training photographs



Trainings

F. Quality Action Photographs of field visits/field days and technology demonstrated



Technology demonstrated



Field Visit



Field Day



Field Day

G. Details of budget utilization

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

(Oilseeds- Rabi 22-23)**1. Technical Parameters**

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	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	
01	Rapeseed and Mustard	Panchali					RH 761 + Seed treatment, PSB Herbicides, Micronutrients (Zinc and Sulphur), Insecticides	180	60							

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
01	RH-761 + Seed treatment, PSB, Herbicides, Micronutrients (Zinc and Sulphur), Insecticides								

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)
01	Rapeseed and Mustard, RH-761							

A. 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

B. Specific Characteristics of Technology and Performance

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

C. Extension activities under FLD conducted

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	17.10.23, KVK	25
		18.10.23, at KVK	25
		28.10.23, Sihorwa, Hathuwa	25
02	Field Visit	03.02.24, Baliwansagar	05
03	Field Day	03.02.24, Baliwansagar	25

A. Sequential good quality photographs (as per crop stages i.e. growth & development)

B. Farmers' training photographs



Training



Training

C. Quality Action Photographs of field visits/field days and technology demonstrated



Field Visit



Field Day

D. Details of budget utilization

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

Frontline demonstration under Climate Resilient Agriculture Programme (CRAP)

Village Name	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. Barraipati	Wheat	ZT Wheat	77	42.0	Moong	ZT	5	9.3	Paddy	DSR	53	22.67
		Raised Bed	20	35.1			23	Green manuring		TPR	16	25.10
		INM	2	44.6	Ragi	Broadcasting	3	5.39	Arhar	Raised Bed	2	Crop in Field
	Maize	Raised Bed	3.5	103.5	Kaugni	Broadcasting	1	5.50	Arhar	Intercropping	1	Crop in Field
	Potato	PBFS	0.74	220.5	Till	Broadcasting	2.5	18.95	Maize			
	Lentil	ZT	5.85	12.8								
	Mustard	Raised Bed	4.2	15.3								
	Maize	Intercropping	4	60.9								
	Potato			135.8								
Total			117.29	670.5			34.5	39.14			72	80.44
2. Khemmathiniya	Wheat	ZT Wheat	55	47.55	Moong	ZT	15	6.7	Paddy	DSR	55	30.14
		Raised Bed	15	39.1			35	Green Manuring		TPR	35	32.56
		INM	6.05	43.1	Ragi	Broadcasting	3.5	5.9		INM	17	33.16
	Maize	Raised Bed	31	94.1	Kaugni	Broadcasting	4	4.8		WH	17	30.27
	Potato	PBFS	0.74	215.7	Till	Broadcasting	4.5	20.56		CI	05	35.92
	Lentil	ZT	18.67	11.5						Arhar	Raised Bed	08
	Mustard	Raised Bed	17.24	13.75					Arhar	Intercropping	16	Crop in field
	Maize	Intercropping	20	45.8					Maize			
	Potato			129.4								
Total			163.7	640			62	37.96			154	157.23
3. Sipaya	Wheat	ZT Wheat	87	43.45	Moong	ZT	9	8.3	Paddy	DSR	57	26.23
		Raised Bed	20	42.3			30	Green Manuring		TPR	95	27.89
		INM	6.3	40.5						CI	15	29.42
		CI	15	36.3					Arhar	Raised Bed	1	Crop in field
	Maize	Raised Bed	8	94					Maize	Raised Bed	1	45.67
	Potato	PBFS	1	216.2					Arhar	Intercropping	13	Crop in Field
	Lentil	ZT	6.93	10.2					Maize			
	Mustard	Raised Bed	3.96	11.67								
	Maize	Intercropping	4.5	49.3								
Potato			118.4									
Total			152.69	662.32			39	8.3			182	158.6
4. Bishunpura	Wheat	ZT Wheat	39	40.75	Moong	ZT	5	9.3	Paddy	AWD	36	26.74
		Raised Bed	10	44.5			11	Green Manuring	Arhar	Raised Bed	38	Crop in Field
	Maize	Raised Bed	24	93.65	Ragi	Broadcasting	01	8.75	Maize	Raised Bed	29	46.33
	Potato	PBFS	0.34	204.2	Kaugni	Broadcasting	1	6.29	Arhar	Intercropping	3	Crop in field
	Lentil	ZT	2.56	13.4	Till	Boadcasting	0.5	19.75	Maize			
	Mustard	Raised Bed	11.3	14.5								
	Maize	Intercropping	2.5	67.9								
Potato			115.7									
Total			89.7	594.6			18.5	34.79			106	97.55
5. Tiwarimathiniya	Wheat	ZT Wheat	42	42	Moong	ZT	16	8.2	Paddy	DSR	14	26.19
		Raised Bed	10	44.7			76	Green Manuring		TPR	5	27.43

		INM	10.65	41.6	Ragi	Broadcasting	2.5	6.5		WH	1	27.65
	Maize	Raised Bed	3.5	94.7	Kaugni	Broadcasting	0.5	5.39		AWD	54	24.33
	Potato	PBFS	0.18	210.2	Till	Broadcasting	1.0	17.89	Arhar	Raised Bed	1	Crop in Field
	Lentil	ZT	16	9.6					Arhar	Intercropping	7	Crop in Field
	Mustard	Raised Bed	13.3	13.55					Maize			29.45
	Maize	Intercropping	1	51.1								
	Potato			118.3								
	Total		96.63	625.75			96	37.98			82	133.05
	Grand Total		623	3193.17			250	158.17			595	626.87

3.3 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														
Weed Management														
Resource Conservation Technologies														
Cropping Systems														
Crop Diversification														
Integrated Farming														
Water management														
Seed production														
Nursery management														
Integrated Crop Management														
Fodder production														
Production of organic inputs														
Others, (cultivation of crops)														
II. Horticulture														
a) Vegetable Crops														
Integrated nutrient management														
Water management														
Enterprise development														
Skill development														
Yield increment														
Production of low volume and high value crops														
Off-season vegetables														
Nursery raising														
Export potential vegetables														
Grading and standardization														
Protective cultivation (Green Houses, Shade Net etc.)														
Others, if any (Cultivation of Vegetable)														
Training and pruning														
b) Fruits														
Layout and Management of Orchards														
Cultivation of Fruit														
Management of young plants/orchards														
Rejuvenation of old orchards														
Export potential fruits														
Micro irrigation systems of orchards														
Plant propagation techniques														
Others, if any(INM)														
c) Ornamental Plants														
Nursery Management														
Management of potted plants														
Export potential of ornamental plants														
Propagation techniques of Ornamental Plants														
Others, if any														
d) Plantation crops														

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			
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	1	50	10	60	0	0	0	0	0	0	50	10	60

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													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	25	0	25	0	0	0	0	0	0	25	0	25
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	1	25	0	25	0	0	0	0	0	0	25	0	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			
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	1	0	0	0	22	8	30	0	0	0	22	8	30
Piggery Management													
Rabbit Management													
Disease Management	1	8	17	25	0	0	0	0	0	0	8	17	25
Feed management													
Production of quality animal products													
Others, if any	4	85	8	93	6	0	6	0	0	0	91	8	99
TOTAL	6	93	25	118	28	8	36	0	0	0	121	33	154
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	13	22	35	6	9	15	0	0	0	19	31	50
Design and development of low/minimum cost diet	1	0	28	28	0	2	2	0	0	0	0	30	30
Designing and development for high													

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			
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	42	0	42	4	0	4	0	0	0	46	0	46
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	1	1	21	22	0	4	4	0	0	0	1	25	26
Others if any (Plant Protection)	1	20	0	20	0	0	0	0	0	0	20	0	20
TOTAL	9	205	34	239	9	4	13	0	0	0	214	38	252

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														
Integrated Pest Management	1	20	0	20	1	0	1	0	0	0	21	0	21	
Integrated Nutrient management														
Rejuvenation of old orchards														
Value addition														
Protected cultivation technology														
Formation and Management of SHGs														
Group Dynamics and farmers organization														
Information networking among farmers														
Capacity building for ICT application														
Care and maintenance of farm machinery and implements	1	25	0	25	0	0	0	0	0	0	25	0	25	
WTO and IPR issues														
Management in farm animals														
Livestock feed and fodder production														
Household food security														
Women and Child care														
Low cost and nutrient efficient diet designing														
Production and use of organic inputs														
Gender mainstreaming through SHGs														
Crop intensification														
Others if any														
TOTAL	2	45	0	45	1	0	1	0	0	0	46	0	46	

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants (others)			Number of SC/ST			Over all participants		
					M	F	T	M	F	T	M	F	T
Plant Protection													
Plant Protection	PF	Beekeeping	1	On	0	0	0	6	0	6	6	0	6

Plant Protection	PF	Diseases of sugarcane and their management	1	On	24	1	25	0	0	0	24	1	25
Plant Protection	PF	Diseases of papaya and their management	1	On	22	4	26	0	0	0	22	4	26
Plant Protection	PF	Insect-pests of Okra and their management	1	On	0	21	21	0	0	0	0	21	21
Plant Protection	PF	Importance apiculture in agriculture	1	On	25	0	25	0	0	0	25	0	25
Plant Protection	PF	Insect Pest of mustard and their management	1	On	0	21	21	0	0	0	0	21	21
Plant Protection	PF	Diseases of potato crop and their management	1	Off	9	16	25	0	0	0	9	16	25
Plant Protection	PF	Diseases of tomato crop and their management	1	Off	24	0	24	1	0	1	25	0	25
Plant Protection	PF	Insect-pests of sugarcane and their management	1	Off	11	14	25	0	0	0	11	14	25
Plant Protection	PF	Insect-pests of mango and their management	1	Off	25	0	25	0	0	0	25	0	25
Plant Protection	PF	Diseases of wheat and their management	1	Off	25	0	25	0	0	0	25	0	25
Plant Protection	PF	Pest management in litchi	1	Off	20	5	25	0	0	0	20	5	25
Plant Protection	PF	Insect pests of cucurbitaceous crops and their management	1	Off	13	8	21	3	0	3	16	8	24
Plant Protection	PF	Diseases of paddy and their management	1	Off	0	0	0	20	5	25	20	5	25
Plant Protection	PF	Insect pests of paddy and their management	1	Off	0	20	20	0	5	5	0	25	25
Plant Protection	PF	IPM in maize	1	Off	21	4	25	0	0	0	21	4	25
Plant Protection	PF	Insect pests of mango and their management	1	Off	12	13	25	0	0	0	12	13	25
Plant Protection	PF	Insect pests of guava and their management	1	Off	8	17	25	0	0	0	8	17	25
Plant Protection	PF	Diseases of maize and their	1	Off	0	0	0	3	22	25	3	22	25

		management											
Plant Protection	PF	Safe use of pesticides in agriculture	1	Off	9	11	20	5	0	5	14	11	25
Plant Protection	PF	Importance apiculture in agriculture	1	Off	25	0	25	0	0	0	25	0	25
Plant Protection	PF	Insect-pests of wheat and their management	1	Off	0	0	0	20	5	25	20	5	25
Plant Protection	PF	INM in wheat	1	On	34	14	48	1	1	2	35	15	50
Plant Protection	PF	IPM in potato	1	On	28	9	37	6	0	6	34	9	43
Animal Science													
Animal Science	PF	Sorghum fodder for kharif season	1	On	23	0	23	6	0	6	29	0	29
Animal Science	PF	Training on kuroilers (SCSP)	1	On	0	0	0	22	8	30	22	8	30
Animal Science	PF	Cultivation of millets and its health benefits	1	Off	25	0	25	0	0	0	25	0	25
Animal Science	PF	Challenges in adoption of climate resilient and climate smart agriculture practices amongst farming communities	1	Off	25	0	25	0	0	0	25	0	25
Animal Science	PF	Vaccination in cattle	1	Off	8	17	25	0	0	0	8	17	25
Animal Science	PF	Reproductive problems in cattle and their control	1	Off	12	8	20	0	0	0	12	8	20
Agriculture Engineering													
Agriculture Engineering	PF	Advance agricultural machinery for sugarcane cultivation	1	On	0	2	2	1	22	23	1	24	25
Agriculture Engineering	PF	Improved agricultural tools for women farmers	1	On	17	3	20	5	0	5	22	3	25
Agriculture Engineering	PF	Operation and maintenance of raised bed planter	1	On	22	0	22	3	0	3	25	0	25
Agriculture Engineering	PF	Post harvest management and storage of wheat	1	On	13	9	22	2	1	3	15	10	25
Agriculture Engineering	PF	Installation, operation and	1	On	25	0	25	0	0	0	25	0	25

		maintenance of sprinkler system											
Agriculture Engineering	PF	Operation and maintenance of paddy transplanter	1	On	25	0	25	0	0	0	25	0	25
Agriculture Engineering	PF	Operation and maintenance of happy seeder	1	On	20	5	25	0	0	0	20	5	25
Agriculture Engineering	PF	Improved storage structure for rice	1	On	17	0	17	7	1	8	24	1	25
Agriculture Engineering	PF	Improved irrigation practices for better production of crops	1	On	23	1	24	1	0	1	24	1	25
Agriculture Engineering	PF	Use of grubber for drudgery reduction	1	On	24	1	25	0	0	0	24	1	25
Agriculture Engineering	PF	Repair, maintenance and storage of tractor	1	On	16	6	22	1	2	3	17	8	25
Agriculture Engineering	PF	Different types of storage structure and its importance	1	On	22	2	24	1	0	1	23	2	25
Agriculture Engineering	PF	Operation and maintenance of happy seeder	1	Off	19	2	21	2	2	4	21	4	25
Agriculture Engineering	PF	Storage conditions of various fruits and vegetables	1	Off	11	5	16	4	5	9	15	10	25
Agriculture Engineering	PF	Selection, operation, safety and maintenance of improved tillage implements	1	Off	27	0	27	0	0	0	27	0	27
Agriculture Engineering	PF	Excellence output from nursery using garden tools	1	Off	25	0	25	0	0	0	25	0	25
Agriculture Engineering	PF	Operation and maintenance of happy seeder	1	Off	23	1	24	1	0	1	24	1	25
Agriculture Engineering	PF	Selection, operation, safety and maintenance of improved tillage equipments	1	Off	19	6	25	0	0	0	19	6	25
Agriculture Engineering	PF	Use of laser land leveller	1	Off	14	11	25	0	0	0	14	11	25

		for better yield of crops											
Agriculture Engineering	PF	Direct seeding of paddy through drum seeder	1	Off	0	15	15	6	4	10	6	19	25
Agriculture Engineering	PF	Operation, safety, maintenance of laser land leveller	1	Off	20	3	23	3	0	3	23	3	26
Agriculture Engineering	PF	Working function of drum seeder for direct seeding of paddy	1	Off	20	5	25	0	0	0	20	5	25
Agriculture Engineering	PF	Mechanical weed management in paddy	1	Off	19	11	30	1	0	1	20	11	31
Agriculture Engineering	PF	Resource conservation technologies for sustainable production of cereal crop	1	Off	20	5	25	1	0	1	21	5	26
Agriculture Engineering	PF	Installation and maintenance of drip irrigation system	1	Off	16	3	19	6	0	6	22	3	25
Agriculture Engineering	PF	ZT in lentil	1	On	3	2	5	1	44	45	4	46	50
Agriculture Engineering	PF	Intercropping of maize with potato	1	On	2	1	3	2	45	47	4	46	50
Agriculture Engineering	PF	Integrated pest management in mustard	1	On	23	3	26	2	22	24	25	25	50
Agriculture Engineering	PF	Major pests of maize and its control	1	On	41	2	43	4	3	7	45	5	50
Agriculture Engineering	PF	Major insect pests in mustard and its control	1	On	31	14	45	5	0	5	36	14	50
Agriculture Engineering	PF	Integrated nutrient management in lentil	1	On	31	10	41	4	5	9	35	15	50
Agriculture Engineering	PF	Importance and working functions of laser land leveller	1	On	36	1	37	5	8	13	41	9	50
Agriculture Engineering	PF	Stake holders workshop on laser land leveller for bhoomi samatlikaran	1	On	28	3	31	2	17	19	30	20	50

Agriculture Engineering	PF	Operation and maintenance of laser land leveller	1	On	7	5	12	1	37	38	8	42	50
Agriculture Engineering	PF	Popularisation and health benefits of millets	1	On	28	20	48	1	1	2	29	21	50
Agriculture Engineering	PF	Paddy cultivation through AWD	1	On	37	1	38	6	6	12	43	7	50
Agriculture Engineering	PF	Paddy seeding through SRI method	1	On	27	2	29	4	17	21	31	19	50
Agriculture Engineering	PF	Application of herbicides in DSR	1	On	40	2	42	4	4	8	44	6	50
Agriculture Engineering	PF	INM in paddy	1	On	39	3	42	3	5	8	42	8	50
Agriculture Engineering	PF	Integrated weed management in paddy	1	On	39	3	42	3	5	8	42	8	50
Agriculture Engineering	PF	Raised bed planting of maize	1	On	36	1	37	10	3	13	46	4	50
Agriculture Engineering	PF	Alternate wetting and drying in transplanted rice	1	On	40	2	42	2	6	8	42	8	50
Agriculture Engineering	PF	Operation and maintenance of raised bed planter	1	On	29	4	33	1	0	1	30	4	34
Agriculture Engineering	PF	LCC based nutrient management in paddy and ICAR Foundation Day	1	On	49	0	49	1	0	1	50	0	50
Agriculture Engineering	PF	Use of information and communication technologies in agriculture and ICAR Foundation Day	1	On	36	7	43	3	0	3	39	7	46
Agriculture Engineering	PF	Alternate wetting and drying technique in transplanted rice	1	On	33	9	42	2	6	8	35	15	50
Agriculture Engineering	PF	Popularisation and health benefits of millets	1	On	11	10	21	0	4	4	11	14	25

Agriculture Engineering	PF	Water management in paddy	1	On	15	6	21	4	0	4	19	6	25
Agriculture Engineering	PF	INM in maize	1	On	13	9	22	3	0	3	16	9	25
Agriculture Engineering	PF	Seed treatment in Rabi crops	1	On	17	4	21	4	0	4	21	4	25
Agriculture Engineering	PF	Feedback of DSR and raised bed planting of maize	1	On	97	20	117	21	41	62	118	61	179
Agriculture Engineering	PF	INM in mustard	1	On	45	0	45	0	0	0	45	0	45
Agriculture Engineering	PF	Climate Resilient Agriculture Technology	1	On	47	2	49	0	0	0	47	2	49
Agriculture Engineering	PF	Wheat Sowing (ZT)	1	On	33	7	40	0	4	4	33	11	44
Agriculture Engineering	PF	Wheat planting: raised bed	1	On	61	7	68	0	0	0	61	7	68
Agriculture Engineering	PF	Wheat planting: happy seeder	1	On	38	12	50	0	0	0	38	12	50
Agriculture Engineering	PF	Potato cultivation through automatic potato planter	1	On	41	9	50	0	0	0	41	9	50
Agriculture Engineering	PF	Integrated weed management in wheat	1	Off									
Agriculture Engineering	PF	Direct seeded rice through drum seeder	1	Off	43	6	49	1	2	3	44	8	52
Agriculture Engineering	PF	Operation and maintenance of paddy transplanter	1	Off	34	8	42	5	3	8	39	11	50
Agriculture Engineering	PF	Paddy seeding through DSR method	1	Off	46	2	48	2	0	2	48	2	50
Agriculture Engineering	PF	Direct seeded rice	1	Off	23	27	50	0	0	0	23	27	50
Agriculture Engineering	PF	Raised bed planting of Arhar	1	Off	19	32	51	1	0	1	20	32	52
Agriculture Engineering	PF	Feedback of DSR and raised bed planting of maize	1	Off	47	0	47	3	0	3	50	0	50
Agriculture Engineering	PF	Feedback of DSR and raised bed planting of maize	1	Off	97	20	117	21	41	62	118	61	179
Home Science													
Home Science	PF	Self Help Group	1	On	0	10	10	1	16	17	1	26	27
Home Science	PF	Kitchen gardening for growing kharif	1	On	10	5	15	6	4	10	16	9	25

		vegetables											
Home Science	PF	Value addition of mushroom	1	On	0	14	14	1	11	12	1	25	26
Home Science	PF	Protein energy malnutrition	1	On	0	28	28	0	1	1	0	29	29
Home Science	PF	Food adulteration	1	On	0	24	24	0	6	6	0	30	30
Home Science	PF	Low cost weaning food	1	On	0	28	28	0	2	2	0	30	30
Home Science	PF	Value addition of mushroom	1	On	0	25	25	0	4	4	0	29	29
Home Science	PF	Importance of millets	1	On	13	0	13	0	12	12	13	12	25
Home Science	PF	Consumer rights	1	On	0	4	4	1	20	21	1	24	25
Home Science	PF	Millet recipe contest	1	On	0	23	23	0	8	8	0	31	31
Home Science	PF	Nutri garden	1	Off	3	17	20	0	5	5	3	22	25
Home Science	PF	Entrepreneurial programme for SHGs	1	Off	0	0	0	0	25	25	0	25	25
Home Science	PF	Tie and Dye	1	Off	0	14	14	0	11	11	0	25	25
Home Science	PF	Block printing	1	Off	0	0	0	2	23	25	2	23	25
Home Science	PF	Consumer rights	1	Off	0	3	3	0	22	22	0	25	25
Plant protection													
Plant protection	EF	Selection, handling, application and disposal of pesticides	1	On	20	0	20	1	0	1	21	0	21
Agriculture Engineering													
Agriculture Engineering	EF	Selection, operation, safety and maintenance of improved threshing implements	1	Off	25	0	25	0	0	0	25	0	25
Plant protection													
Plant protection	RY	Beekeeping	3	On	24	0	24	2	0	2	26	0	26
Plant protection	RY	Mushroom cultivation	3	On	29	3	32	3	0	3	32	3	35
Plant protection	RY	Mushroom cultivation	3	On	18	0	18	0	0	0	18	0	18
Plant protection	RY	Safe and judicious use of Glyphosate	3	On	20	0	20	0	0	0	20	0	20
Plant protection	RY	Mushroom cultivation	3	On	21	0	21	0	0	0	21	0	21
Animal Science													
Animal Science	RY	Cattle production	3	On	25	13	29	1	1	0	26	14	40
Agriculture Engineering													
Agriculture Engineering	RY	Operation, safety and maintenance of	3	On	23	0	23	2	0	2	25	0	25

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. ACHIEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total				
		M	F	Total	SC/ST	M	F	Total	M	F	Total	SC/ST	
Kisan Mela organized													
Kisan Mela participated	3	389	5	394	3	7	2	9	396	7	403	3	
Field Day	3	94	3	97	10	0	0	0	94	3	97	10	
Kisan Ghosthi													
Exhibition organized													
Participation in exhibition													
Film Show													
Method Demonstrations	01	15	0	15	1	3	0	3	18	0	18	01	
Farmers Seminar													
Workshop													
Group discussion													
Lectures delivered as resource persons	19	2061	486	2562	376	15	5	20	2076	491	2567	376	
Advisory Services	585	840	0	840	15	3	1	4	843	1	844	1	
Scientific visit to farmers field	40	317	24	341	9	3	1	4	320	25	345	9	
Farmers visit to KVK	45	487	83	570	35	3	1	4	490	84	574	35	
Diagnostic visits	40	317	24	341	9	3	1	4	320	25	345	9	
Exposure visits	2	100	0	100	1	2	0	2	102	0	102	1	
Ex-trainees Sammelan													
Soil health Camp													
Animal Health Camp													
Agri mobile clinic													
Soil test campaigns													
Farm Science Club Conveners meet													
Self Help Group Conveners meetings													
Mahila Mandals Conveners meetings													
Special day celebration													
Sankalp Se Siddhi													
Swatchta Hi Sewa													
Celebration of important date													
Others													

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Radio talks	
TV talks	02
Popular articles published	01 (Submitted)
Extension Literature	04
Electronic media	

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 (26 th Jan.)	01	20	15	35	5	1	6	25	16	41
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.)	01	0	0	10	10	0	10	10	0	10
Independence Day (15th Aug.)	01	15	25	40	5	1	6	20	26	46
Parthenium Awareness Week	02	27	23	50	03	0	03	30	23	53
Hindi Diwas (14th Sep.)										
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.)	01	60	00	60	03	0	03	63	00	63
Kisan Diwas (23 rd Dec.)										
International Year of millets-2023	01	0	40	40	03	01	04	03	41	44
ICAR Foundation Day and Technology Day celebration	03	111	09	120	03	01	04	114	10	124
Krishak Vaigyanik Vartalap	01	160	90	250	06	03	09	166	93	259
World Environment Day	01	18	52	70	03	01	05	21	53	74
Importance of energy conservation in agriculture	01	12	40	52	03	0	03	15	40	55

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	27.02.2023	Live telecast of PM KisanSammanNidhi programme at KVK Gopalganj	PM	30	07	0	37
2	18.03.2023	Live telecast of Inaugural session of Global Millet conference	AM	65	04	0	70
3	30.04.2023	Live telecast of Man Ki Baat programme	PM	70	04	0	74
4	16.07.2023 to 18.07.2023	ICAR Foundation Day and Technology Day celebration	-	123	04	0	127
5	27.07.2023	Live telecast of PM Kisan Samman Nidhi programme	PM	106	04	0	110
6	15.11.23	Live telecast of PM Kisan Samman Nidhi	PM	61	04	0	65

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
Wheat	DBW-39	1.0		05	0	0	05	05
Total		1.0		05	0	0	05	05

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	Wheat (HD-2967) TL	7.0					
	Wheat (DBW-252) CS	142.0					
	Paddy (Rajshri)	140.0 (Approx)					
Oil seed	Mustard (R. Suflam) TL	18.50					
Millets	Finger millet (VL Madhua-352) TL	1.8					
Pulses	Arhar (R. Arhar-1) FS	1.4					
	Chickpea (GNG-2299) TL	4.75					
	Lentil (IPL-316) TL	0.50					
	Moong (Virat) CS	3.00					
	Moong (Virat) TL	0.65					
Green Manure							
Commercial crop							
Vegetables	Pea (HUDP-15) CS	8.5					
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total		328.1					

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	Hybrid	500	500				
Cabbage	Hybrid	600	600				
Tomato							
Brinjal							
Chilli	Hybrid	1500	1500				
Onion							
Bottle guard	Hybrid	180	900				
Sponge guard	Hybrid	210	1050				

Ridge guard	Hybrid	80	400				
Pumpkin	Hybrid	120	600				
Bitter guard	Hybrid	245	2450				
Commercialseedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango							
Guava							
Lime							
Papaya	Red lady	1155	28875				
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		4590	36875				

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
Fodder	Thin Napier						
	IGFRI-3						
	IGFRI-6						
	CO-3						

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	Kuroilers	1500		80	0	0	80
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING**a. Details of equipment available in Soil and Water Testing Laboratory**

Sl. No	Name of the Equipment	Qty.
1.	Mridaparikshak	01

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
	17	17

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	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1	01	-	60	-	-	60

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:	
Address :	
e-mail :	
Phone No. :	
Mobile :	

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	Arhar	R. Arhar-1	Crop standing			F/S
Rabi 2023	Chickpea	GNG-2299	Crop standing			T/L
Summer/Spring 2023	Green gram	Virat			3.0	C/S

3. Financial Progress

Financial Year	Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2016-17	43.8363		8.79295	35.0438	
2017-18	42.14041		10.60618	31.53423	
2018-19	49.72210		15.50316	34.21894	
2019-20	47.43291		13.4195	34.01341	
2020-21	49.70666		44.12911	5.57755	
2021-22	25.4088		11.75232	13.65648	
2022-23	16.26762		11.34905	4.91857	
2023-24	18.94499		11.26413	7.68186	(Upto 31.12.2023)

4. Infrastructure Development

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

3.6 PUBLICATIONS, HUMAN RESOURCES 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	Jha RK, Sattar A, Singh AK, Kundu MS, Tiwari RK, Singh AK, Singh AK, Das S, Pal R, Kushwah S, Kumari AR, Meena M, Singh P, Gupta SK, Shekhar D, Rai SK, Kumar Gangwar S, Roy RK , Prasad RI, Singh AP, Singh RP, Singh PK, Srivastawa PK, Jha BK, Senapati R, Das S, Suman SK, Singh G, Rajak SK, Kumari N, Rai A, Kumar S, Kashyap V, Kumari S, Chhetri KB, Kumar T, Prasad S, Gangwar A, Nalia A, Patra A, Singh R, Ramulu C, Praharaj S, Regar KL, Patel SS, Kumari V, Chauhan	10.70

		L, Harsh BR, Kapil ST, Soren J, Choudhury S, Tamta S, Kumar N and Tiwari DK (2023) Managing climatic risks in rice–wheat cropping system for enhanced productivity in middle Gangetic plains of India. <i>Frontiers in Sustainable Food Systems</i> . 7:1259528. doi: 10.3389/fsufs.2023.1259528	
1	Research paper	Rana A. , Chandel R.S., Verma K.S. & Malannavar A. (2023). Comparative biology, host preference behaviour and biological control of <i>Melolontha cuprescens</i> , <i>Melolontha furcicauda</i> and <i>Melolontha indica</i> (Coleoptera: Scarabaeidae), <i>Oriental Insects</i> , DOI: 10.1080/00305316.2023.2256725	6.50
2	Research paper	Chandel R.S., Kalpana H.S., Verma K.S., Rana A and Baloda A.S. (2023). Biology of <i>Holotrichia longipennis</i> and <i>Holotrichia sikkimensis</i> (Coleoptera: Scarabaeidae) in north-western Himalaya, India and morphological description of their immature stages. <i>Biologia</i> https://doi.org/10.1007/s11756-023-01374-x	7.50
3	Research paper	Chandel R.S., Chandel Y., Rana A. , Thakur H., and Verma K.S. 2023. Diversity and abundance of phytophagous scarab beetles in north-western Himalaya (India). <i>Biologia</i> . https://doi.org/10.1007/s11756-023-01447-x	7.50
4	Research paper	Kumar N. and Tewari V.K. 2023. Modification of reflective muffler in farm tractor to reduce noise level using Finite element method. <i>Journal of Biosystem Engineering</i>	
		Gautam A , Kumar S, Paswan S and Kumari R. 2023. Effect of education on women’s knowledge, attitude and practice (KAP) behavior as a consumer towards food adulteration and its safety measures in Lucknow District. <i>The Pharma Innovation Journal</i> . 12(8): 155-159	

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	<p>Gautam A, Kumar S and Paswan S. 2023. Effect of Education on women’s knowledge, attitude and practice (KAP): Behaviour as a consumer towards food adulteration and its safety measures in Lucknow District. First International Conference on Global Approaches in Agriculture and allied Sciences for Sustainability, Food Security and Livelihood, Agra UP. p 93</p> <p>Rana A, Chandel RS and Verma K.S. 2023. New record of <i>Polyphylla sikkimensis</i> (Coleoptera: Scarabaeidae): a serious root feeding pest from Himachal Pradesh. Proceedings of sixth international conference on Strategies and challenges in agricultural and life science for food security and sustainable environment. p124, April, 28-30, 2023. Organised by Department of Environmental Science, HPU Shimla, ATDS Society, Ghaziabad and Department of Horticulture, J.V. College, Baraut U.P.</p>		
Books			
Book Chapter			

Popular articles	Rana A. , Roy R.K., Kumar N. and Kumar R. 2023. Prakritik Kheti ke mehtavpuraan ghatak evum pramukh kriyaein (Submitted to Kisan Bharti magazine, Pantnagar)		
Success story			
Bulletins	Rana A , Roy R, Kumar N, Gautam A, Kumar R and Raj K. 2023. Kam Lagat Prakritik Kheti: Mehataav evum Laabh. Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur 4p. Rana A, Roy R, Kumar N, Gautam A, Kumar R and Raj K. 2023. Prakritik Kheti ke Pramukh Stambh. Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur 4p. Rana A , Roy R, Kumar N, Gautam A, Kumar R and Raj K. 2023. Prakritik Kheti mein Phasal Suraksha hetu Upaye. Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur 4p.		
Agro-advisory bulletins			
Extension Folders	Kumar N , Raj K, Roy R, Rana A, Gautam A and Kumar R. 2023. Laser Land Leveler se Khet ka Samatlikaran. Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur 2p.		
Technical reports			
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organizer/Venue
1.	Meetings	Finance review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.01.2023	ATARI, Patna
		Finance review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	11.01.2023	ATARI, Patna
		Kisan Mela Meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	16.01.2023	DrRPCAU Pusa
		KVK Review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	24.01.2023	DrRPCAU Pusa
		Finance review meeting	Dr.	13.02.2023	ATARI, Patna

		Ramakrishna Roy, Sr. Scientist and Head		
	ASCI meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	07.03.2023	ATARI, Patna
	Meeting on “Kharif-2023”	Dr. Anita Gautam, SMS, Home Sciecne	03.04.2023	Trihut Agricultural College, Dholi
	CRA review meeting	Er. Naveen Kumar, SMS (Ag. Engg.)	25.04.2023	DrRPCAU Pusa
	Meeting on “World Intellectual Property Day”	Dr. Ramakrishna Roy, Sr. Scientist and Head	26.04.2023	
	Meeting on “World Intellectual Property Day”	Dr. Anita Gautam, SMS, Home Sciecne	26.04.2023	
	Virtual meeting of KVK	Dr. Ramakrishna Roy, Sr. Scientist and Head	10.05.2023	ATARI, Patna
	Pre-EEC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	26.05.2023	Dr. RPCAU Pusa
	Review meeting of Zonal workshop	Dr. Ramakrishna Roy, Sr. Scientist and Head	03.07.2023	ATARI Patna
	Action Plan Meeting for millet recipe contest-2023	Dr. Anita Gautam, SMS, Home Science	25.07.2023	ATARI Patna
	Foundation day meeting of ATARI Patna	Dr. Ramakrishna Roy, Sr. Scientist and Head	02.08.2023 and 07.08.2023	ATARI Patna
	Monthly review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	10.08.2023	Dr. RPCAU Pusa
	Seed hub meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	20.09.2023	BAMETI Patna

		SAC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.10.2023	KVK Gopalganj
		SAC meeting	Er. Naveen Kumar, SMS (Ag. Engg.)	04.10.2023	KVK Gopalganj
		SAC meeting	Dr. Abhishek Rana, SMS, Plant Protection	04.10.2023	KVK Gopalganj
		GeM meeting	Er. Naveen Kumar, SMS (Ag. Engg.)	21.10.2023	DrRPCAU Pusa
		Meeting at DM office	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.11.23	DM Office, Gopalganj
		Meeting on “Burning of straw”	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.11.23.	DM office, Gopalganj
		ZREAC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	08.11.23	DrRPCAU, Pusa
		Meeting on “ Viksit Bharat Sankalp Yatra”	Dr. Ramakrishna Roy, Sr. Scientist and Head	09.11.23	ATARI, Patna
		Review meeting of KVKs	Dr. Ramakrishna Roy, Sr. Scientist and Head	21.11.23	ATARI, Patna
		Meeting on seed production programme under CRA	Dr. Abhishek Rana, SMS, Plant Protection	26.12.2023	Director Seed, TCA Dholi
		Review meeting	Dr. Abhishek Rana, SMS, Plant Protection	28.12.2023	Director, ATARI Patna
2.	Conferences	International Conference on Global Approaches in Agriculture and allied Sciences for Sustainability, Food Security and Livelihood,	Dr. Anita Gautam, SMS, Home Sciece		Agra UP
		Sixth international conference on Strategies	Dr. Abhishek Rana, SMS,	28.04.2023 to 30.04.2023	Department of Environmental

		and challenges in agricultural and life science for food security and sustainable environment.	Plant Protection		Science, HPU Shimla, ATDS Society, Ghaziabad and Department of Horticulture, J.V. College, Baraut U.P.
3.	Workshops	Annual Review Meeting and workshop of CRA programme	Er. Naveen Kumar, SMS (Ag. Engg.)	18.01.2023 and 19.01.2023	CRAP
		CFLD workshop	Dr. Ramakrishna Roy, Sr. Scientist and Head	18.03.2023 and 19.03.2023	ATARI, Patna
		6th Annual Zonal Workshop of KVKs	Dr. Ramakrishna Roy, Sr. Scientist and Head	08.07.2023 to 10.07.2023	RKMVERI, Ranchi
		8th Foundation Day of ICAR-ATARI Patna	Dr. Ramakrishna Roy, Sr. Scientist and Head	19.08.2023	BAMETI, Patna
4.	Trainings	Training programme on Natural Farming	Er. Naveen Kumar, SMS (Ag. Engg.)	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		Training programme on Natural Farming	Dr. Anita Gautam, SMS, Home Sciecne	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		Training programme on Natural Farming	Dr. Abhishek Rana, SMS, Plant Protection	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		21 days certificate course on Agri Skill India (ASI) organised	Er. Naveen Kumar, SMS (Ag. Engg.)	09.04.2023 to 29.04.2023.	Indian Institute of Maize Research and Hindustan Agricultural Research Welfare Society
		21 days certificate course on Agri Skill India (ASI) organised	Dr. Abhishek Rana, SMS, Plant Protection	09.04.2023 to 29.04.2023.	Indian Institute of Maize Research and Hindustan Agricultural Research Welfare Society
		Training programme on Value Chain Extension organised	Er. Naveen Kumar, SMS (Ag. Engg.)	13.06.2023 to 15.06.2023	RPCAU Pusa
		Training programme on Value Chain Extension organised	Dr. Abhishek Rana, SMS, Plant Protection	13.06.2023 to 15.06.2023	RPCAU Pusa
		e-office training programme	Dr.	14.06.2023	NIC and RPCAU

3.7. TECHNOLOGY DEVELOPMENT

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/Happy Seeding	1800	75		
Raised bed planting	475	40		
Laser Leveller	250	75		
Community Irrigation	160	100	-	Rs.25,000/acre/annum
Poultry Production	250	40		

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
Laser Levelling	250 acres in five villages viz. Sipaya, Tiwarimatiniya, Baraipatti, Khemmatihiniya and Bishunpura villages. Farmers from Roopchap got their land laser levelled. Farmers from other villages viz. Sonhaura Gokhul, Bulaura have also evinced interest. The constraint is the brief time interval available during summer when the field is without crop suitable for laser levelling. Rain, intermittent rain during the summer period also derails laser land levelling.
Zero tillage/	Under Climate Resilient Agriculture (CRA) Programme, the zero till/ Happy seeding is

Happy Seeding	practiced in large scale. Besides wheat zero till in other crops such as lentil, rapeseed and mustard is popularized. The field observation is that it has reduced the lodging problem and Philaris minor infestation in wheat as well as savings in terms of time, fuel and labour cost. It's a part of conservation agriculture.
Raised bed planting	Raised bed planting in Pigeonpea and Maize crop has been adopted well.
Poultry Production	A large number of farmers viz. Mrityunjay, Anil Kumar, Sunny Kumar Singh, Saroj Singh, Ramesh Kumar Kushwaha, Vinod Kumar Pandey, Devtanand Yadav, Merajudin, Archit Rai, Suresh Rai, Muhtaq Ahmad, Pradeep Kumar Rai, Bishwanath Rai, Santosh Giri, Arbind Kumar Singh, Sunshwar Rai, Sajjad Hussain, Gautam Kumar, Md. Naseem, Ashok Singh, Chotelal Gupta, Upendra Chaubey, Santosh Kumar, Ramashray Ojha, Kanhaiya Tiwari, Aftab Ansari, Sabre Alam, Saheb Ali, Rehan Ahmad are poultry (nroiler/Layer) entrepreneurs

Give information in the same format as in case studies

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

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

4.4. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
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	
Address & Contact details (Phone, mobile, email Id)	
Assets (Landholding (in ha.)/Livestock)	
Name and description of the farm/ enterprise	
Achievement of the farmers	
KVK intervention (planning & Implementation)	
Impact (Economic/ Social/Environmental)	
Outcome (Horizontal/ Vertical spread)	

Case study 1: Lumpy Skin Disease (LSD)

Introduction: Lumpy Skin Disease (LSD) is a viral disease caused by LSD virus usually transmitted through ticks, mosquitoes and biting flies. Though incidence of LSD was reported in India August 2019 yet no incidence of this disease was reported in Gopalganj district of Bihar till August 2023. In the first week of that month the author found the LSD case with typical pock lesions among a cow and a calf at Roopchhap village of Kuchaikote block. Thereafter cases were found throughout Gopalganj district

Materials and Methods: Based on the severity and response different treatment regimens were undertaken:

T₁ (New Cases with visible symptoms) (n=25): Pock lesions with off fed, fever and cattle reluctant to move, sometimes pustules with lesions attracting flies. Injection of ivermectin and meloxicam, topical application of Diclofenac gel on swollen limbs and povidone iodine on lesions alongwith oral administration of probiotics and yeast combination.

T₂ (Prolonged cases) (n=75): These animals did not respond to above treatment. In these cases along with drugs used in T₁ injection of antibiotics such as combination of amoxicillin and cloxacillin or ceftiofur, liver tonics, corticosteroid and vitamin supplement were used.

T₃ (Recumbent cases) (n=10): Along with drugs used in T₂ Calcium and Phosphorus supplements, serratiopeptidase was used. However, it took a fortnight for complete recovery.

T₄ (Ethnoveterinary practice) (n=25): Washing affected animals twice a day with boiled fresh neem leaves (0.25 kg) in water till the animal recovered.

Result and Conclusion: The occurrence of the disease was irrespective of age and sex. Morbidity occurred with recumbent animal, production losses (milk yield) and in bullocks reduced draught capacity with inability to stand and debilitated condition. Fever, swollen dewlap and legs were also found. Mortality (2 %) was noticed in T₁. All the animals treated properly recovered. Awareness through newspaper, involvement of line departments in vaccination with Goat Pox vaccine and biosecurity measures culminated in reducing the incidence by the end of December.

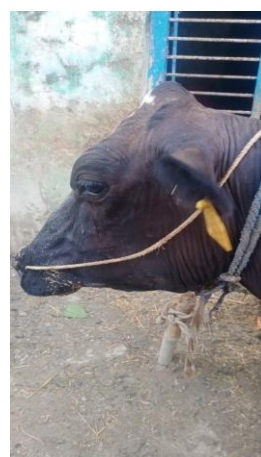
		
<p>New case of LSD</p>	<p>Severe case of LSD (animal died)</p>	
		
<p>Recovering case of LSD</p>	<p>Pock lesions on udder</p>	<p>Awareness on LSD</p>

Case Study 2: Lumpy Jaw

A farmer Shri Angad Ojha from Sipaya village presented cattle with anorexia, swelling in mandible region. On palpation the swelling was hard. It was a suspected case of Actinomycosis or Lumpy Jaw. Lumpy jaw is caused by *Actinomyces bovis* which enters the soft tissue of mouth through open wound created by foreign bodies, plant awns or rough coarse feed. Though Potassium Iodate 5 g orally per day for five days is the drug of choice for treatment of Actinomycosis yet it was not available, hence a combination of Penicillin (Procaine penicillin G 15 lac, Penicillin G Sodium 10 lac and Streptomycin sulphate 2.5 g) i.m daily was administered daily for 5 days. One day after sinus appeared through which pus drained out. A sterile gauze with Povidone iodine 5 % was inserted daily in the wound followed by local dressing for 5 days. Meanwhile, the cattle had resumed feed intake. Within a fortnight the wound recovered and cattle was back to normal.



Before treatment



After treatment

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agriculture Department	Meetings, trainings, joint implementation, contingent plan, technical support.
2. ATMA, Gopalganj	Meetings, Exposure visits, Trainings
3. District Sugarcane Department	Trainings
4. NABARD Gopalganj	Trainings, exposure visits, FPOs
5. Lead Bank (Central Bank, Gopalganj)	Trainings, Meeting and farmer schemes
6. District Rural Livelihoods (Jeevika)	Meetings, Trainings
7. District Animal Husbandry Department	Meetings
8. District Fisheries Department	Meetings
9. District Horticulture Department	Meetings, Mushroom training
10. District seed Farm, Sipaya	Technical support
11. NHM, DrRPCAU, Pusa	Financial assistance for training, seed production, nursery development
12. Directorate of seed and Farm, TCA, Dholi	Seed production, seed sale, source of seed, seed reviews
13. SRI, Pusa	Seed Production, sugarcane
14. IFFCO, Gopalganj	Trainings
15. BSSOCA, Patna	Trainings
16. Biscomaun	Fertilizer requirement for farm

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/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermi-compost	2008	35	E. fetida					Training and demo
2.	Nursery	2008	10,000	Mango,					Training

				litchi, aonla, guava, Seedlings					and Demo
3.	Shed Net	2008	105						Training and Demo
4.	Seed Processing Plant	2010							Non functional
5.	Mushroom Unit	2018	55	Oyster Button					Training and demo
6.	Azolla	2018	2.5						Training and Demo
7.	Shed net	2019	200	Seedling prodn,					Training anddemo
	Polyhouse	2019	200	Seedling Prodn.					Training and demo
	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	
Wheat	18-21.11.22	14.04.23	06	DBW- 252	C/S	142.0			
Pea	08.11.22	10.03.23	1.0	HUDP- 15	C/S	8.5			
Gram	09.11.22	25.03.23	0.5	GNG- 2299	T/L	4.75			
Rapeseed	28.10.22	20.02.23	1.0	R. Sufnam	T/L	18.50			
Arhar	06.06.22	14.04.23	1.0	R. Arhar- 1	F/S	1.4			
Moong	15.03.23	23.06.23	1.0	Virat	C/S	3.0			
Paddy	22.06.23	07.11.23	6.0	Rajshri	C/S	140.0			
Arhar	05.07.23		1.0	Crop standing					
Pea	12.11.23		1.0						
Gram	11.11.23		1.0						
Mustard	05.11.23		1.0						
Wheat	21-23.11.23		6.0						

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.							

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
		Working

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.7 Utilization of staff quarters

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

Months	Q I	Q II	Q III	Q IV	Q V	Q VI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Account	UTTAR BIHAR GRAMIN BANK	SIPAYA, GOPALGANJ	1005231130000070
Non ICAR Account			1005231130000162
Revolving Account			100523101005130
NHM Account			100523101005207
CFLD Pulses	STATE BANK OF INDIA	SASAMUSA, GOPALGANJ	42370807510
CFLD Oil Seeds			42370930735
Natural Farming			42086989513
Skill Development			42658651850
RPL Up scaling			42658656665

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

Item	Released by ICAR		Expenditure		Unspent balance as on – 1 st April 2023
	Kharif	Rabi	Kharif	Rabi	
Rapeseed & Mustard	0.00	1,08,563.00	0.00	2,25,332.00	(-)3.33895

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

Item	Released by ICAR			Expenditure			Unspent balance as on 1 st April 2023
	Kharif	Rabi	Summer	Kharif	Rabi	Summer	
Pigeon Pea	0.00			0.00			(-) 3.3346
Lentil		0.00			0.00		
Green Gram			0.00			0.00	

7.4. Utilization of KVK funds during the year 2022 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,07,13,900.00	-	-
2	Traveling allowances	90,000.00	12,56,000.00	7,25,126.00
3.	HRD	30,000.00		
4.	Maintenance of Building	40,000.00		
5.	Office & POL	4,00,000.00		
6.	Operational (Training, OFT, FLD, NARI, Extension Activity Etc.)	7,00,000.00		
7.	SCSP (General)	3,50,000.00	1,00,000.00	0.00
8.	SCSP (Capital)	1,20,000.00	32,000.00	0.00
TOTAL (A)		1,24,43,900.00	13,88,000.00	7,25,126.00
B. Non-Recurring Contingencies				
1	Works	0.00	0.00	0.00
2	Vehicle	0.00	0.00	0.00
3	Equipment & Furniture	0.00	0.00	0.00
4	Library	0.00	0.00	0.00
5.	IT	0.00	0.00	0.00
6.	Other	0.00	0.00	0.00
TOTAL (B)		0.00	0.00	0.00
C. REVOLVING FUND		0.00	21,62,199.20	11,26,412.50
GRAND TOTAL (A+B+C)		1,24,43,900.00	35,50,199.20	18,51,538.50

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2021	5.57755	19.83125	11.75232	13.6547.
2022	13.6547	11.52785	17.58876	7.59557
2023	7.59557	14.02642	10.40566	11.21633

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
Crop damage inspection visit	01	Rabi	Yes		
Crop cutting	02	Rabi	Yes		
Crop damage visits	03	Kharif	Yes		
Krishak Vigyanik Vartalap	02	Kahrif and Rabi		Yes	

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Room Rent (BASU)	32,293.00	BASU, Patna
2.	Bank Interest	5,637.00	UBGB Sipaya
3.	Seed Sale	6,45,198.00	DSF, Dholi
4.	Hiring Cost	1,05,000.00	KVK, Gopalganj
5.	Bank Interest	5,166.00	UBGB Sipaya
6.	Hiring Cost	14,200.00	KVK, Gopalganj
7.	Advance from DSF	4,00,000.00	DSF, Dholi
8.	Hiring Cost	1,74,000.00	KVK, Gopalganj
9.	Bank Interest	6,884.00	UBGB Sipaya

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	% Commodity loss	Preventive measures taken for area (in ha)
Leaf curl of papaya	Papaya	During cropping season (2023)	40 %	Timely applications of systemic insecticides were recommended
Brown spot of paddy	Paddy	Kharif 2023	25 %	Repeated applications of recommended fungicides

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
Lumpy skin disease	Cow	August, 2023	2.0 %	Animals under observation=135

Preventive measures taken

New Cases, n=25): Ivermectin and meloxicam injection, diclofenac gel topically on swollen limbs, dewlap, povidone iodine on lesions, oral administration of probiotics and yeast.

Prolonged cases, n=75):

In addition to drugs mentioned above, antibiotics such as combination of amoxicillin and cloxacillin or ceftiofur, liver tonics, corticosteroid and vitamin supplement were used.

Recumbent cases, n=10):

Along with drugs used in second case, Calcium and Phosphorus supplements, serratiopeptidase was used. However, it took a fortnight for complete recovery.

Ethnoveterinary practice, n=25): Washing affected animals twice a day with boiled fresh neem leaves (0.25 kg) in water till the animals recovered.

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	

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								95
		Crop	Horticulture	Livestock	Fisheries	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish	

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

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

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop				
2.	Livestock	109	109	109	120
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others	476	476	476	720
8.	Total	585	585	585	840

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
Gopalganj	5049

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
18.10.2023	01	10	0	10	10
19.10.2023	01	10	0	10	10

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.12.2023 to 31.12.2023	05	10	0	0	10

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		

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 Zila Panchayat	Distt. Collector/DM	Bank Officials	Farmers	Officials, PRI members	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.	104	104	68699	230

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)
09.12.2023	Shri Janak Ram	Ex Minister of Mines & Geology	Large number of farmers/farm women were present at the VBSY organised at KVK Gopalganj

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

Date	Name of the person	Designation	Purpose of visit
17.01.2023	Yashpal Singh	Dy. G.M., Vishnu Sugar mill, Gopalganj	KVK Visit
16.03.2023	Dr. Zahid Hussain	DAHO, Gopalganj	KVK Visit
23.03.2023	Dr. D.K. Roy	Director, Seed, RPCAU,	Seed production monitoring

		Pusa	visit
27.03.2023	Dr. Anupam Lal Kusumkar	DDM, NABARD, Gopalganj	Discussion about various activities
05.04.2023	Raju Kumar Gupta	ADA, Sipaya	KVK Visit, crop cutting
05.04.2023	Vikas Kumar	SAO, Gopalganj	KVK Visit, crop cutting
23.06.2023	Dr. Rajesh Kumar	Associate Professor, Seed, Dholi	Monitoring visit
12.07.2023	Akash Kumar	ADH, Gopalganj	Field visit
18.08.2023	Dr. Zahid Hussain	DAHO, Gopalganj	Krishak Vigyanik Vartalap
18.08.2023	Renu Kumari	Dy. PD ATMA, Gopalganj	Krishak Vigyanik Vartalap
18.08.2023	Shri Bhudeo Rana Yashu	SDAO, Hathua	Krishak Vigyanik Vartalap
29.08.2023	Dr. Rakesh Mani Sharma	University Librarian, DrRPCAU Pusa, Samastipur	Discussion about digital resources being offered by the university library
10.10.2023	Dr. A.K. Singh	Director SRI and Director Research, DrRPCAU, Pusa	CRA monitoring visit
02.11.2023	Shri Bhupendra Mani Tripathi	DAO, Gopalganj	For seeing CRA activities, crop cuttings
09.12.2023	Shri Janak Ram	MLC and Former MP, Gopalganj	Viksit Bharat Sankalp Yatra
09.12.2023	Shri Sunil Mishra	BDO, Kuchaikote	Viksit Bharat Sankalp Yatra
09.12.2023	Dr. Anupam Lal Kusumkar	DDM, NABARD, Gopalganj	Viksit Bharat Sankalp Yatra

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

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

- Year:
- Introduction / General Information:

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

11.2 Details of Tribal Sub Plan (TSP)

a. 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		
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	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		04	111
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)	0.01	
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)	0.015	
f.	Testing of Soil, water, plant, manures samples (Nos.)		

11.4. NICRA (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	

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		

c. Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

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		

e. Capacity building

Thematic area	No of Courses	No of beneficiaries										
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		

f. Extension activities

Thematic area	No of activities	No of beneficiaries										
		SC		ST		Other		Total				
		M	F	M	F	M	F	M	F	T		

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
1							

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
1.	Pragati Agro Producer Company Limited	Reg. No. U01400BR2016PTC026193	Karanpura, Kuchaikote	Input supply	Fertilizer, Seed	685	14.0	
2.	Gopalganj Trinetra Agroproducer Company Limited	Reg. No. U01400BR2018PTC038057	Manjhagarh Jantoli, Gopalganj	Mushroom, Planting materials	Mushroom, planting			

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

a. Overall achievement

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

b. Details of OFT/FLD

OFT				
Nutritional Garden				
Bio-fortified Crops				
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				
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.		Backyard/Kitchen Garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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 beneficiaries

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

g. Extension activities under NARI Project

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

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
1	KVK Gopalganj	31

11.7 Attracting 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 of Natural Farming**a. Overall achievements**

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	15	1021
2.	Training programme	01	40
3.	Demonstrations	12	12

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.	Training programme on Mushroom Production	07.01.2023	Gopalganj	Mushroom Production	56
		11.10.2023	Bishunpura	Mushroom Production	60
2.	Training programme for insecticide dealers	10.01.2023	DAO, Gopalganj	Handling and safe use of pesticides	21
3.	Training on sugarcane under "MukhyamantriGannaVikasYojana" by Vishnu Sugar Mill	08.02.2023	Badhara (Kuchaikote)	Awareness about sugarcane farming and schemes related to sugarcane farming	40
		05.02.2023	Bishunpura (Kuchaikote)		80
		10.02.2023	KhemMatihaniya (Kuchaikote)		80
		16.02.2023	Hussaypur		160
		22.02.2023	Thawe		80
		28.02.2023	Gopalganj		200
		12.03.2023	Dulduliya		45
4.	Campaign on soil health management	22.05.2023	Off campus	Trainings under LiFE programme	25
	The role of technology in enhancing climate smart agriculture				
	The role of technology in enhancing climate smart	23.05.2023			50

	agriculture				
	Cultivation of millets and its health benefits	24.05.2023			25
	Climate change impacts on different agro ecosystems in India and mitigation measures	25.05.2023			52
	Field visit	26.05.2023			10
	Millets for next generation climate smart agriculture	27.05.2023			400
	Challenges in adoption of climate resilient and climate smart agriculture practices amongst farming communities	28.05.2023			25
5.	Kharif Maha-Abhiyan	27.05.2023	Gopalganj	Cultivation of kharif crops, plant protection, importance of farm machinery, livestock	400
		07.06.2023	Uchkagaon		50
		08.06.2023	Phulwariya		50
		09.06.2023	Bhore		50
		12.06.2023	Panchdeori		60
6.	Rabi mahabhiyan	14.10.2023	Gopalganj	Cultivation of Rabi crops, plant protection, importance of farm machinery, livestock	400
		28.10.2023	Hathua		150
		01.11.23	Bijaipur		235
		03.11.23	Panchdeori		330
Total					2547

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

	
<p>PF training under Ag. Engineering discipline</p>	<p>PF training under Home Science discipline</p>
	
<p>PF training under Plant Protection discipline</p>	<p>CRA field visit</p>
	
<p>OFT field visit</p>	<p>Distribution of material under SCSP programme</p>
	
<p>Natural farming production unit</p>	<p>Awarenes programme on natural farming</p>
	
<p>Training programme on natural farming</p>	<p>Training programme on millets</p>
	
<p>Training programme on backyard poultry under ASCI</p>	



OFT on litchi fruit borer management



Field visit under CRAP



RY training programme under Plant Protection discipline



RY training programme under Ag. Engineering discipline



Training programme under CRAP



SAC meeting



Training programme under ASCI



Data recording under CRAP



Training programme under CFLD programme



Cleanliness campaign



Zero till wheat under CRAP



Lumpy disease