Annual Progress Report

(January 2022 - December 2022)

Krishi Vigyan Kendra, Manpur, Gaya

भाकृअनुप
ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur




PROFORMA FOR ANNUAL REPORT 2022 (1st January- 31st December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Manpur, Gaya - 823003			kvkmanpurgaya@gmail.com

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Vice-Chancellor, Bihar Agricultural University, Sabour, Bhagalpur	0641-2452606	0641-2452606	vcbausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Rajeev Singh		9431204379	kvkmanpurgaya@gmail.com

1.4. Year of sanction of KVK: **F. No. 18-13/94-AE-I Date: 24.03.2006**

1.5. Staff Position (**as on 31st December 2021**)

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. Rajeev Singh	Senior Scientist & Head	Agronomy	1,43,600/- (L-13 A)	05-07-2019	Permanent	Others
2.	Subject Matter Specialist	Dr. Ashok Kumar	SMS	Extension Education	98,200/- (L-10 A)	08-01-2008	Permanent	OBC
3.	Subject Matter Specialist	Sri Devendra Mandal	SMS	Agronomy	73,200/- (L-10)	17-04-2012	Permanent	OBC
4.	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Animal Science	73,200/- (L-10)	20-04-2012	Permanent	SC
5.	Subject Matter Specialist						Vacant	
6.	Subject Matter Specialist						Vacant	
7.	Subject Matter Specialist						Vacant	
8.	Programme Assistant	Smt. Neha	Prog. Asstt. (Lab. Tech.)	B. Sc. (Ag.)	47,600/- (L-06)	02-11-2012	Permanent	OBC
9.	Computer Programmer	Dr. Ved Prakash	Prog. Asstt. (Computer)	MCA, Ph.D.	46,200/- (L-06)	20-05-2013	Permanent	OBC
10.	Farm Manager	Sri Mukesh Kumar	Farm Manager	M.Sc. (Ag) (Ext.Edu.)	47,600/- (L-06)	30-10-2012	Permanent	OBC
11.	Accountant / Superintendent	Sri Prem Kumar Thakur	Assistant	MBA in Finance	46,200/- (L-06)	13-04-2013	Permanent	OBC
12.	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	33,300/- (L-04)	04-07-2013	Permanent	OBC
13.	Driver	Sri Rohit Kumar	Driver	Matric	27,600/- (L-03)	22-05-2015	Permanent	OBC
14.	Driver	Sri Ravindra Yadav	Driver	Matric	18166/-(Consolidated)		Outsource	OBC
15.	Supporting staff	Smt. Laxmi Devi	Supporting staff	Non-Matric	14360/-(consolidated)		(Outsource)	SC
16.	Supporting staff	Sri Naulesh Kumar	Supporting staff	Matric	14360/-(consolidated)		(Outsource)	SC

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1	Under Buildings	1.5
2.	Under Demonstration Units	0.5
3.	Under Crops	4.5
4.	Orchard/Agro-forestry	1.7
5.	Others with details	1.8
	Total	**10.0**

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					Handed over		In use	ICAR
2.	Farmers Hostel					Handed over		In use	ICAR
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing							In use	
6	Rain Water harvesting structure								
7	Threshing floor					Handed over		In use	
8	Farm godown					Handed over		In use	RKVY
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit					Handed over		In use	ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others, Please Specify								
17.	Mali shade					Handed over			NHM
18.	Generator Room					Handed over		In use	RKVY
19.	Sale Counter							In use	

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero LX 2WD7STR Non-AC BS11	2006	458070.00	-	Not Working/Condemned
Tractor DIJ MF1035	2006	386544.00	955.5	Working
Tractor 65 HP ACE			407.6	Working
Bolero	2020	800000.00	65729	Working
Motor cycle (02 Nos.) 1. BR 02AA6793 2. BR 02AA6794	2016	120000.00	12337 18379	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Steel Dram	2007		Satisfactory	
Godrej Book selves & Almirah	2007		Satisfactory	
Computer with accessories	2007		Satisfactory	
Inverter	2010		Satisfactory	
Index card reader	2010		Satisfactory	
Honey box & Accessories	2011		Satisfactory	
Punch sealer Machine	2011		Satisfactory	
LCD Projector	2011		Satisfactory	
Generator	2011		Satisfactory	
Book self	2011		Satisfactory	
Inverter	2012		Satisfactory	
Exide Battery (2)	2012	37500	Satisfactory	
Computer with accessories	2012	49145	Satisfactory	
Godrej almirah 1, Table 4, Chair 10, Revolving 1, Rack 1	2013	98092	Satisfactory	
Godrej almirah 9	2014		Satisfactory	
Photocopier Machine	2014	75000	Satisfactory	
Biometric based attendance machine	2014	24750	Satisfactory	
Fiber chair & Table	2014		Satisfactory	
Microscope	2014		Satisfactory	
Steel bed	2014		Satisfactory	
Trunk steel	2014		Satisfactory	
Vegetable Processing unit	2014		Satisfactory	
Water Purifier Machine	2014		Satisfactory	
Video Conference Materials	2014		Satisfactory	
Mini Studio Room Materials	2014		Satisfactory	
Motorcycle Hero Passion Pro (2)	2015	120000	Satisfactory	
Exide IT 500 Battery (2)	2016	29000-5000=24000	Satisfactory	
Ahuja PA Lectern SystemWSL2500R	2016	38000	Satisfactory	
Map My India Navigator LX140WS	2016	6000	Satisfactory	
Dell Desktop I5/4/1TB computer set (1)	2016	49500	Satisfactory	
Split AC Voltas 5Star with stabilizer (1)	2016	43000	Satisfactory	
Stablizer full copper 5KVA (2)	2016	25000	Satisfactory	
Godrej Kareena High back chair (6)	2016	90717	Satisfactory	
Godrej Insight Table 6'x3' (1)	2016	10337	Satisfactory	
Xerox Photocopier- cum –printer with cartridge, Trolly& stabilizer (1)	2016	98,022	Satisfactory	BAU, Sabour
Computer + Laptop (1+1)	2016	82,583	Satisfactory	BAU, Sabour
CCTV Camera (4)	2016	21,000	Satisfactory	BAU, Sabour
LED Flood Light (1)	2016	6,500	Satisfactory	BAU, Sabour
Projector with Projector Screen + wifi Dongle (1+1)	2016	52,000	Satisfactory	BAU, Sabour
Video Camera Handy cam (1)	2016	82,871	Satisfactory	BAU, Sabour
Sound System Ahuja (1)	2016	30,165	Satisfactory	BAU, Sabour
Water Cooler (Voltas 40/80) (1)	2016	59,500	Satisfactory	BAU, Sabour
Euro Aqua water purifier (1)	2016		Satisfactory	BAU, Sabour
LED TV Panasonic TH-32 C200DX (1)	2016	27,200	Satisfactory	BAU, Sabour
Still Photographic Camera Cannon DSLR (1)	2016	29,600	Satisfactory	BAU, Sabour
External Hard Drive Lenovo Portable F309 1TB (1)	2016	5,600	Satisfactory	BAU, Sabour
Vacuum cleaner (Eureka forbes Trendy) (1)	2016	9,950	Satisfactory	BAU, Sabour
Fire Extinguisher Cylinder 4Kg (1)	2016	9,649	Satisfactory	BAU, Sabour
25 KVA Eicher Jaycee/Diesel Generator Set (1)	2016	3,94,133	Satisfactory	BAU, Sabour
215/75 R15 Tyre (1)	2016	5,350	Satisfactory	KVK, Gaya
Garmin Etrex 20 Handheld GPS (1)	2017	14,451	Satisfactory	KVK, Gaya
HP Printer Laserjet M1005 MFP (1)	2017	14,700	Satisfactory	KVK, Gaya

MicrotekSinewave UPS-SEBZ 1600/24V V2 (1)	2017	6,000	Satisfactory	KVK, Gaya
MicrotekSinewave UPS-SEBZ 1100-V2 (1)	2017	5,500	Satisfactory	KVK, Gaya
HP Scanner 200 Flatbed (1)	2017	4,200	Satisfactory	KVK, Gaya
JIO Router Wifi (1)	2017	2,100	Satisfactory	KVK, Gaya
Exide Tubler Battery Invatall 1500 (1)	2017	15,000	Satisfactory	KVK, Gaya
Honey Well Usha Cooler (5)	2017	61,000	Satisfactory	KVK, Gaya
Sewing Machine (9)	2017	49,900	Satisfactory	KVK, Gaya
Battery XP-800 (1)	2017	5300	Satisfactory	KVK, Gaya
Exide Battery IT500(150Ah) (02)	2017	24400	Satisfactory	KVK, Gaya
Mantra NFS 100 Bio-metric Fingerprint USB (1)	2017	5000	Satisfactory	KVK, Gaya
Table Top (1)	2017	5120	Satisfactory	KVK, Gaya
Pen Stand (1)	2017	832	Satisfactory	KVK, Gaya
Calculator (Casio) (1)	2017	470	Satisfactory	KVK, Gaya
Helmet JADE 21171 (1)	2017	980	Satisfactory	KVK, Gaya
Hero Box 21171 (1)	2017	780	Satisfactory	KVK, Gaya
Wall Watch AO1877 (G) (1)	2017	890	Satisfactory	KVK, Gaya
Wall Watch AO1477 SS(G) (1)	2017	551	Satisfactory	KVK, Gaya
Soil Testing Kit (02)	2018	109536	Satisfactory	KVK, Gaya
Hitachi AC Model RSB318IBEA (02)	2018	90000	Satisfactory	KVK, Gaya
V.Guard Stabilizer Model VWR400 (02)	2018	8000	Satisfactory	KVK, Gaya
4 Drawer Filing Cabinet (02)	2018	37986	Satisfactory	KVK, Gaya
Storewell Minor P. Cain (01)	2018	16240	Satisfactory	KVK, Gaya
b. Farm machinery				
Happy Seeder	2019	-	Satisfactory	Bihar Govt.
c. AV Aids				

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Disc Harrow	2006		Working	
MB plough	2006		Working	
Hydraulics trailer	2006		Working	
Tiller/cultivator	2006		Working	
Cage wheel	2006		Working	
Leveler	2006		Working	
Zero Till Machine	2011		Working	
Pump Set	2008		Stolen FIR Reported	
Conoweeder	2009		Working	
Tube well 5H.P Kiloshker	2008		Working	
weight Machine	2011		Working	
Zero tillage	2011		Working	
Rotavator	2011		Working	
Reaper	2011		Working	
Seed processing unit	2011		Working	
Lazer land leveler	2012	376000	Working	
Power Thresher	2014		Working	
Rotavator	2014		Working	
Power Reaper	2014		Working	
Gator Sprayer	2017	3800	Working	
Iron Jharni 152 kg	2017	11400	Working	
Iron Pankhi Stand 16 kg	2017	1200	Working	
Multicrop seeder	2021		Working	Govt. of Bihar
Raised bed planter	2021		Working	Govt. of Bihar
Boom sprayer	2021		Working	Govt. of Bihar
Happy seeder	2021		Working	Govt. of Bihar
Paddy strawbeller	2021		Working	Govt. of Bihar
Drum seeder	2022		Working	Govt. of Bihar

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.	**06.08.2021**	**62**	**Salient Recommendations of 13th SAC meeting**		
			1. Proceedings should be made available to all the members of the Scientific Advisory Committee (SAC) who have attended the meeting. In this, the suggestion of the Headquarters and the members should be mentioned, which has been confirmed by the Headquarters.	Action taken report of 13th SAC meeting has been provided to all members vide Memo No-41/KVK, Manpur, Gaya dt.-11.08.2021	
			2. In FLD, the demonstration of moong crop should not be done. The demonstration of cereals should not be done from the amount of ICAR but from the amount of other project/resource, when there is no option then spend from the amount of ICAR.	Green gram taken in CFLD in 10.0 ha among 25 farmers. In cereal crops, Ragi demonstration in 5.0 ha and Bio-fortified wheat n 6.0 ha area.	
			3. Reporting of demonstration should be done by taking it out of the format of Annual Progress Report, which should have demonstration, area, number, achievement, and the feedback of farmers which can be understood by the common person.	Feedback of farmers included in FLD report.	
			4. No Varietal OFT should be done in Krishi Vigyan Kendra.	No any Varietal OFT has been done in 2021-22.	
			5. Demonstration of Biofortified variety should be made on the farm of farmers.	Biofortified wheat demonstration has done in 60 ha among 15 farmers.	
			6. The main achievements of Krishi Vigyan Kendra must be included in the report.	Achievements of KVK main activities has incorporated in progress report.	
			7. The help of Dr. Jyoti Sinha, SMS (Home Science), Krishi Vigyan Kendra, Nalanda can be taken for NARI project.	Help taken from KVK Nalanda in NARI project.	
			8. The Kisan Chaupal calendar should be sent to the institutions like ATMA, Jeevika, PRAN etc. and they should also be included.	University technologies has transferred to farmers y 3 OFTs and 1 FLD programme.	
			9. The technology of the University should be reached to the farmers.	No any proposal has received by KVK for above program.	
			10. It was requested by the Project Director, Atma, Gaya that the traveling expenses of the farmers for the training should be borne by the center and there should be horticulture scientists at the center.	All expenditure is borne by KVK in exposure visits and in training only refreshment cost is beared.	
			11. It was suggested by the District Development Manager to do Technology Orientation based training and the training related to innovation should also be made aware to the NABARD office, which can be funded by NABARD.	NABARD is also informed for training program in mushroom and other vocational courses and their participants is also occurred.	
2.	**16.08.2022**	**58**	**Salient Recommendations of 14th SAC meeting**		
			There is a need to improve the vocational training achievement of Agronomy, which should be taken care by the SMS(Agronomy).		
			In the progress report, the feedback of the farmers should be given in simple language so that the farmer can easily understand.		

			The reason for the poor pod formation in chickpea (var. RVG-203) under CFLD should be investigate and resolved.		
			10–12 years old seed variety of pulses crop should not be adopted in CFLD, FLD, OFT.		
			In the OFT of Agronomy, weedicides should be sprayed by the farmers in their fields in the presence of the scientist. The data of OFT must be linked to the subject and the parameter must be described.		
			Seed and fruit sales statement should show seed production area, total production as well as status of seed and non-seed.		
			The NARI project is to be run throughout the year at Krishi Vigyan Kendra.		
			For training related to all subjects, scientists of Manpur, Gaya should complete the training work by making a three-month calendar.		
			In the SCSP project, small agricultural equipment should be distributed, if sewing machines are distributed, then it should be given to those who are practical in the group so that more and more people can benefit.		
			Natural farming must be done in one acre area at the center.		
			Vegetable/fruit demonstration should be included as required which is not the case. Experts should take help from other nearby Krishi Vigyan Kendra.		
			The year 2023 has been declared as the International Year of Millet, so coarse cereals are to be promoted.		
			Oilseeds/pulses/cereals/biofortified seed techniques can correlate with other techniques but the basic technology should be demonstrated.		
			One district one plan should focus on training, display and demonstration.		
			In the melon demonstration, there is need to introduce varieties released by government institutions like Agricultural University / ICAR etc.		
			When the innovation model project is submitted by NABARD, then there are experts in the field of innovation. SMS (Vet. Sci.) should bring a project, which can be funded by NABARD.		
			Agromet is not a core subject in the Centre so that Agromet should not be included in the training part.		

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

2.a. District level data on agriculture, livestock and farming situation (2022)

S.N.	Items	Information
1	Major Farming system/enterprise	
2	Agro-climatic Zone	
3	Agro ecological situation	
4	Soil type	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

2.a. 1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. N.	Farming system/enterprise
1.	Paddy - Wheat – Moong
2.	Paddy – Lentil – Fallow
3.	Paddy – Rai – Moong
4.	Paddy – Sugarcane
5.	Paddy – Potato - Vegetable
6.	Maize – Potato – Vegetable
7.	Dairy, Poultry, Bee keeping and Fishery are important enterprises adopted by selective farmers.

2.a. 2 Description of Agro-climatic Zone (based on soil and topography)

S. N.	Agro-climatic Zone	Characteristics
1.	Zone – IIIB	Climate is subtropical having average annual rainfall 1200mm. June is the hottest month when temperature goes up to 44^0C while December is the coldest month when temperature goes down to 4^0C. Average Relative Humidity is 66%

2.a. 3 Description of major agro ecological situations (based on soil and topography)

S. N.	Agro ecological situation	Characteristics
1.	Irrigated Plain (Sandy-loam to loam soil)	The geographical area of the district is 493774 ha. Out of which Cultivable land is 198123 ha, comprising upland (49765 ha) medium land (110874ha) and low land (37484 ha). Major crop is paddy followed by wheat & vegetables. Among oil seeds & pulses rai, linseed, lentil, gram and red gram are important crops.
2.	Rainfed Plain (Sandy Loam, Light to heavy texture Soil)	
3.	Hilly Upland (Rainfed, Undulating topography)	

2.a. 4 Soil type

S. N.	Soil type	Characteristics
1.	Sandy Loam	Admixture of sand & Clay, predominantly sandy, found alongside the river beds.
2.	Loamy soil	Found near the hills and formed by rains washings from higher area.
3.	Sandy soil	Locally known as balui, found near the bank of the river.
4.	Kewal Soil (Black)	It is a mixture of clay and loam and is very productive acidic in nature.
5.	Foot hill Balthar Soil (Red)	It is in between the plain and dissected plateau. It is acidic in nature.

2.a.5 Area, Production and Productivity of major crops cultivated in the district

S. N.	Crop	Area (ha)	Production (Kg)	Productivity (Kg /ha)
Kharif				
1.	Paddy	190955	640153	3352
2.	Maize	6763	6270	927
3.	Marua	308	233	756
4.	Arhar	4386	3874	883
5.	Urad	1438	803	558
6.	Moong	3223	1713	531
7.	Kulthi	78	44	564
8.	Groundnut	892	629	705
9.	Til	956	529	55.3
10.	Castor	89	43	483
11.	Sunflower	86	50	581
Rabi				
1.	Wheat	82729	142956	1728
2.	Maize	2418	4531	1874
3.	Barley	2328	1136	488
4.	Gram	34823	17237	495
5.	Lentil	20686	6247	302
6.	Pea	3045	1248	410
7.	Other Pulses			
8.	Linseed	7071	3924	555
9.	Rai/Sarson	12942	9344	722
10.	Sunflower	161	94	582

2.a.6 Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan. 22	28.9	20.6	11.6	86.9
Feb. 22	13.6	24.7	11.5	71.3
Mar. 22	0.0	33.7	18.0	52.1
Apr. 22	0.0	41.0	22.7	40.45
May 22	19.1	38.8	25.5	51.55
June 22	47.8	39.5	27.5	54.95
July 22	112.2	36.0	26.7	69.6
Aug. 22	211.3	33.1	25.6	81.7
Sep. 22	178.7	32.8	24.5	84.85
Oct. 22	39.8	31.9	20.7	77.35
Nov. 22	0.0	28.9	12.3	69.7
Dec. 22	0.0	25.2	9.2	71.45

2.a.7 Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	10027		
Indigenous	293436		
Buffalo	254729		
Sheep	18145		
Crossbred			
Indigenous			
Goats	445546		
Pigs	122914		
Crossbred			
Indigenous			
Rabbits			
Poultry	892833		
Hen			
Desi			
Improved			

Duck			
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.b. Details of operational area / villages (2022)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Gaya	Nagar	Rasalpur, Bishunpur, Kandi, Madanbigha	Paddy, Wheat, Vegetable, flower, Goatry, poultry	Use of non-recommended Pesticide, Use of traditional varieties	High incidence of insect pest
2.	Gaya	Manpur	Sondhi, Khanzahanpur, Rasalpur, Rupaspur, Gangti, Chiraila	Paddy, Wheat, Potato, Vegetables, Mushroom, Poultry, Dairy	-Use of non-recommended Pesticide, Use of traditional varieties	-do-
3.	Gaya	Neemchak Bathani	Naili, Dhanmahua	Lentil, Paddy, Wheat	Lack of irrigation facility, Use of non-recommended Pesticide, Use of traditional varieties	
4.	Gaya	Atri	Bairka, Bara	Wheat, Lentil, Paddy	Non-recommended Pesticide	
5.	Gaya	Mohra	Bela	Wheat, Lentil, Paddy	Non-recommended fertilizer	
6.	Gaya	Paraiya	Rajoi Rampur, Pariaya Khurd	Chickpea	Non-recommended Pesticide	
7.	Gaya	Barachatti	Bela	Pigeonpea	Low yield	
8.	Gaya	Sherghati	Nawada	Greengram	Non-recommended Pesticide	
9.	Gaya	Konch	Mundera, Ahiyapur	Mustard, Fieldpea	Non-recommended Pesticide	
10.	Gaya	Tankuppa	Bara, ManMadho	Pigeonpea, Wheat	Non-recommended fertilizer	
11.	Gaya	Belaganj	Beladih	Pigeonpea	Low yield	
12.	Gaya	Wazirganj	Kajha, Mahuet, Gariya	Mustard, Wheat	Non-recommended fertilizer	
13.	Gaya	Imamganj	Pakriguriya	Mustard	Low yield	
14.	Gaya	Fatehpur	Naudiha	Lentil	Non-recommended Pesticide	
15.	Gaya	Tekari	Mahmadpur	Chickpea, lentil, wheat	Non-recommended fertilizer	

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2022) for its development and action plan

Name of village	Block	Action taken for development
Rasalpur (Agronomy)	Nagar	FLD, OFT, Training, CFLD, Field days, Chaupal
Bishunpur (Extension Education)	Nagar	FLD, OFT, Training, CFLD, Field days, Chaupal
Sondhi (Agronomy)	Manpur	FLD, OFT, Training, CFLD, Field days, Chaupal
Kandi (Animal Science)	Nagar	FLD, OFT, Training, CFLD, Field days, Chaupal

2. d. Priority thrust areas

S. No	Thrust area
1.	Introduction and popularization of improved varieties of cereals, pulses and oil seed crops.
2.	Seed production of cereals, oil seed & horticultural crops.
3.	To popularize improved cultivation techniques of different horticultural crops.
4.	Integrated nutrient management (INM) and pest management (IPM)
5.	Income and employment generation through Goatry, poultry, vermi-compost, dairy, beekeeping, mushroom cultivation & preservation of fruits & vegetable.
6.	Improvement of milch cattle through hybridization and proper care.

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2022

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
9	**9**	**200**	**39**	**3**	**0**	**0**	**143**	**20**	**182**	**23**	**205**		**8**	**9**	**216**	**61**	**12**	**0**	**0**	**141**	**49**	**202**	**61**	**263**

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
100	139	2000	846	412	0	0	1916	412	2762	824	3586	500	12107	10000	6873	1020	0	0	11558	2457	18431	3477	21998

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
100	62	5	2	0	0	48	7	53	9	62	50	32	4	1	0	0	25	2	29	3	32

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
190	170	0.2	0.0031

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

* 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							
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter							
Popular Articles							
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL							

3.1.1 Achievements on technologies assessed and refined

OFT (All discipline)

S.N.	Title of On farm Trial	Farmers
	2021-22	
1.	To access the suitable herbicide in wheat to control the complex weed flora of South Bihar.	5
2.	To assess the suitable cropping system under rice fallow condition of South Bihar	7
3.	Assessment of different Extension Teaching methods used in popularising wheat sowing by Zero Tillage Machine among farmers of Gaya District.	90
	2022-23	
1.	To access the suitable nitrogen management through different tools on paddy under rice- wheat cropping system	7
2.	To assess the suitable cropping system under rice fallow condition of South Bihar	7
3.	To assess the suitable herbicide to control the weed in paddy	7
4.	Integration of fertilizer in different form on yield of lentil	7
5.	Improvement of nitrogen use efficiency in wheat	7
6.	Assessment of soil health card in Gaya district	90
7.	Assessing the Extension Education methods for awareness and use of Soil Health Card	60
8.	Effect of feeding and local application of herbal medicine on clinical and subclinical mastitis	7
9.	Study on production and comparative nutritive value evaluation of hydroponic wheat and maize fodder	7

OFT – 1 (Agronomy) (2021-22)

1.	Title of On farm Trial	To access the suitable herbicide in wheat to control the complex weed flora of South Bihar.
2.	Problem diagnosed	Low income due to high infestation of weed
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer Practice - (Use of 2,4-D Na Salt 1000g/ha at 35DAS) TO_1 –Application of Sulfosulfuron 33g/ha+ Metsulfuron33g/ha at 30DAS TO_2 – Application of Clodinofob ethyl 400g/ha+ Carfentrazone - ethyl 50g/ha at 30 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER Patna
5.	Production system and thematic area	Rice-wheat Production System & Integrated Weed management
6.	Performance of the Technology with performance indicators	Yield attributes, Yield, weed studies Economics
7.	Final recommendation for micro level situation	TO_2 (Application of Clodinofob ethyl 400g/ha+ Carfentrazone-ethyl 50g/ha at 30DAS) shows the maximum gross return (Rs. 81600/-), net return (Rs. 48850/-) and BC ratio (2.49)
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Thematic area: Integrated Weed management

Problem definition: Low income due to high infestation of weed.

Technology assessed:

Farmer Practice - (Use of 2,4-D Na Salt 1000g/ha at 35DAS)
TO_1 –Application of Sulfosulfuron 33g/ha+ Metsulfuron33g/ha at 30DAS
TO_2 – Application of Clodinofob ethyl 400g/ha+ Carfentrazone-ethyl 50g/ha at 30DAS

Table:

Technology option	**No. of trials**	**Weed count/m^2**	**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
Farmer Practice	5	58	31.6	31120	67150	36030	2.16
TO_1		14	35.8	32190	76075	43885	2.36
TO_2		11	38.4	32750	81600	48850	2.49

Result: TO_2 (Application of Clodinofob ethyl 400g/ha+ Carfentrazone-ethyl 50g/ha at 30DAS) shows the maximum gross return (Rs. 81600/-), net return (Rs. 48850/-) and BC ratio (2.49).

OFT-2 (Agronomy) (2021-22)

1.	Title of On farm Trial	To assess the suitable cropping system under rice fallow condition of South Bihar
2.	Problem diagnosed	• Low system productivity & profitability under rice fallow system due to water scarcity • Soil moisture deficiency for next crop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 (FP) – Rice-Fallow TO_2 –Rice (S. Harshit)-Utera Lentil TO_3 –Rice (S. Harshit)-Utera Lathyrus TO_4 - Rice (S. Harshit)-Utera Linseed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER, Patna
5.	Production system and thematic area	Paddy- fallow & Cropping system
6.	Performance of the Technology with performance indicators	Yield attributes, Net return, B:C ratio
7.	Final recommendation for micro level situation	TO_3 (Rice (S. Harshit)-Utera Lathyrus) shows the maximum gross return (Rs. 150098/-), net return (Rs. 99718/-) and BC ratio (2.98).
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training and gosthi

Thematic area: Crop system

Problem definition: Low system productivity & profitability under rice fallow system due to water scarcity and Soil moisture deficiency for next crop

Technology assessed:

TO_1 (FP) – Rice-Fallow
TO_2 –Rice (S. Harshit)-Utera Lentil
TO_3 –Rice (S. Harshit)-Utera Lathyrus
TO_4 - Rice (S. Harshit)-Utera Linseed

Table:

Treatment	Replication	Yield (q/ha)					
		Rice	Fallow	Lentil	Lathyrus	Linseed	Total
TO_1 - Farmer Practice (Rice-Fallow)	7	41.35	-	-	-	-	41.35
TO_2 – Rice (S. Harshit)-Utera Lentil		43.2	-	11.6	-	-	54.80
TO_3 – Rice (S. Harshit)-Utera Lathyrus		46.7	-	-	11.9	-	58.60
TO_4 - Rice (S. Harshit)-Utera Linseed		45.62	-	-	-	11.45	57.07

Treatment	Replication	Cost of cultivation						Gross Income (Rs)						Net Income (Rs)	B:C
		Rice	Fallow	Lentil	Lathyrus	Linseed	Total	Rice	Fallow	Lentil	Lathyrus	Linseed	Total		
TO_1	7	32260		-			32260	80219					80219	47957	2.48
TO_2		32260		19290			51550	83808		59160			142968	91418	2.77
TO_3		32260			18120		50380	90598			59580		150098	99718	2.98
TO_4		32260				18582	50842	88503				51525	140028	89186	2.75

Results: TO_3 (Rice (S. Harshit)-Utera Lathyrus) shows the maximum gross return (Rs. 150098/-), net return (Rs. 99718/-) and BC ratio (2.98).

OFT- 3 (Extension Education) (2021-22)

1	**Title**	Assessment of different Extension Teaching methods used in popularising wheat sowing by Zero Tillage Machine among farmers of Gaya District.
2	**Problem diagnosed**	Capacity building
3	**Technological option**	Farmers Practice – Group of farmers not exposed to any Extension Teaching methods for sowing of wheat by Zero Tillage Machine. TO_1– Group of farmers given Training +Literature on sowing of wheat by Zero Tillage machine TO_2 - Group of farmers given Training +Demonstration on sowing of wheat by Zero Tillage machine
4	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	BAU Sabour
5	**Replication**	90
6	**Production system and thematic area:**	Paddy-Wheat-Moong, Capacity building
7	**Performance of the technology with performance indicators**	1. Level of knowledge (%) 2. Level of adaption (%) 3. B:C ratio
8	**Final recommendation for micro level situation**	Further study may be done at different locations for its more authentication.
9	**Constraints identified and feedback for research**	Lack of availability of ZT Machine
10	**Process of farmers participation and their reaction**	Farmers were found very enthusiastic about sowing of wheat by ZT Machine

Thematic area: Capacity building

Problem definition: As a result of high cost of cultivation and late sowing of wheat there is less productivity, resulting in less net income

Technology assessed:

Farmers Practice – Group of farmers not exposed to any Extension Teaching methods for sowing of wheat by Zero Tillage Machine.
TO_1– Group of farmers given Training +Literature on sowing of wheat by Zero Tillage machine
TO_2 - Group of farmers given Training +Demonstration on sowing of wheat by Zero Tillage machine

Table:

Tech. Option	No. of trial	Level of knowledge (%)	Level of adoption (%)	Yield (qt./ha)	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
Farmers Practice – Group of farmers not exposed to any Extension Teaching methods for sowing of wheat by Zero Tillage Machine.	90	26.7	24.5	29.77	31013	59993	28980	1.93
TO_1– Group of farmers given Training +Literature on sowing of wheat by Zero Tillage machine		80.7	76.7	31.34	29793	63157	33364	2.12
TO_2 - Group of farmers given Training +Demonstration on sowing of wheat by Zero Tillage machine		88.0	84.7	32.50	30448	65488	35040	2.15

Result: It is quite obvious from the table that TO_2 (Group of farmers given Training +Demonstration on sowing of wheat by Zero Tillage machine) found to have highest level of knowledge (88.0%) as well as Highest level of adoption (84.7%) of recommended technologies about sowing by ZT methods. Due to more adoption of technologies and reduction in cost of cultivation, the yield and BCR were also found maximum of 32.50 qt/ha and 2.15 respectively.

OFT-1 (Agronomy) (2022-23)

1.	Title of On farm Trial	To access the suitable nitrogen management through different tools on paddy under rice- wheat cropping system
2.	Problem diagnosed	Low yield and excessive use of N fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 – Farmer Practice - 185:40:0 kg NPK/ha TO_2 – Recommended dose of Fertilizer (120:60:40)kg NPK/ha (210 kg urea) TO_3 –Use of green seeker at 1st and 2nd top dressing (1/2 dose of N (80 kg urea) and 60:40kg P:K/ha) (52 kg urea at tillering stage+ 50 kg urea at panicle initiation stage) TO_4 –Use of LCC at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER Patna
5.	Production system and thematic area	Rice-Wheat Production System & Integrated nutrient management
6.	Performance of the Technology with performance indicators	Yield attributes, Yield, Economics
7.	Final recommendation for micro level situation	Maximum grain yield and straw yield were recorded with TO3 Use of green seeker at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha). Net return Rs. 58151/ha and BC ratio were also recorded maximum with TO3 Use of green seeker at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha) over other technology option.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & Kisan gosthi

Thematic area: ICM

Problem definition: Low yield and quality of paddy due to Imbalance use of fertilizer

Technology assessed:

TO_1 – Farmer Practice - 185:40:0 kg NPK/ha
TO_2 – Recommended dose of Fertilizer (120:60:40) kg NPK/ha
TO_3 –Use of green seeker at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha)
TO_4 –Use of LCC at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha)

Table:

Technology option	No. of trials	Yield (q/ha)	Straw Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
TO_1	7	39.14	57.84	33600	79846	46246	2.4
TO_2		42.87	56.32	31600	87455	55855	2.8
TO_3		46.31	56.81	32000	94472	62472	3.0
TO_4		43.9	55.13	30360	89556	59196	2.9

Result: Maximum grain yield and straw yield were recorded with TO_3 Use of green seeker at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha). Net return Rs. 62472/ha and BC ratio were also recorded maximum with TO_3 . Use of green seeker at 1st and 2nd top dressing (1/2 dose of N and 60:40kg P:K/ha) over other technology options.

OFT-2 (Agronomy) (2022-23)

1.	Title of On farm Trial	To assess the suitable cropping system under rice fallow condition of South Bihar
2.	Problem diagnosed	• Low system productivity & profitability under rice fallow system due to water scarcity • Soil moisture deficiency for next crop
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 (FP) – Rice-Fallow TO_2 –Rice (S. Harshit)-Utera Lentil TO_3 –Rice (S. Harshit)-Utera Lathyrus TO_4 - Rice (S. Harshit)-Utera Linseed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER, Patna
5.	Production system and thematic area	Paddy- fallow & Cropping system
6.	Performance of the Technology with performance indicators	Yield attributes, Net return, B:C ratio
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training and gosthi

Thematic area: Crop system

Problem definition: Low system productivity & profitability under rice fallow system due to water scarcity and Soil moisture deficiency for next crop

Technology assessed:

TO_1 (FP) – Rice-Fallow
TO_2 –Rice (S. Harshit)-Utera Lentil
TO_3 –Rice (S. Harshit)-Utera Lathyrus
TO_4 - Rice (S. Harshit)-Utera Linseed

Table:

Treatment	Replication		Yield (q/ha)			
		Rice	Fallow	Lentil	Lathyrus	Linseed
TO_1 (Farmer Practice) - Rice-Fallow	7	40.55				
TO_2 – Rice (S. Harshit)-Utera Lentil		41.3				
TO_3 – Rice (S. Harshit)-Utera Lathyrus		44.6				
TO_4 - Rice (S. Harshit)-Utera Linseed		43.4				

Treatment	Replication	Cost of cultivation						Gross Income (Rs)						Net Income (Rs)	B:C
		Rice	Fallow	Lentil	Lathyrus	Linseed	Total	Rice	Fallow	Lentil	Lathyrus	Linseed	Total		
TO_1	7	33365													
TO_2		33365													
TO_3		33365													
TO_4		33365													

Results: Ongoing.

OFT-3 (Agronomy) (2022-23)

1.	Title of On farm Trial	To assess the suitable herbicide to control the weed in paddy
2.	Problem diagnosed	Heavy weed infestation of mixed flora while *cyprus rotandus* is a serious problem in rice causing reduction in yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 (FP) – Pretilachlor 750 g a.i/ha as a PE at 0 – 3 DAT TO_2 – TO_1 + Pyrazosulfuron 25 g a.i /ha as a POE at 20 – 25 DAT TO_3 – TO_1 +Pyrazosulfuron 25 g a.i /ha as a POE Fb Bispyribac sodium 25 g a.i/ha as a POE at 20 – 25 DAT
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CSISA - CYMMYT
5.	Production system and thematic area	Rice-Wheat Production System & Integrated Weed Management
6.	Performance of the Technology with performance indicators	Yield attributes, Net return, B:C ratio, weed studies
7.	Final recommendation for micro level situation	Treatment TO_3 perform better than other two treatment with respect to average weed density/m^2 (13.2), average yield (52.9 q/ha) and B:C ratio (2.83) respectively.
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Thematic area:

Problem definition: Heavy weed infestation of mixed flora while *cyprus rotandus* is a serious problem in rice causing reduction in yield.

Technology assessed:

TO_1 (FP) – Pretilachlor 750 g a.i/ha as a PE at 0 – 3 DAT
TO_2 – TO_1 + Pyrazosulfuron 25 g a.i /ha as a POE at 20 – 25 DAT
TO_3 – TO_1 +Pyrazosulfuron 25 g a.i /ha as a POE Fb Bispyribac sodium 25 g a.i/ha as a POE at 20 – 25 DAT

Table:

Technology option	No. of trials	Yield component			Weed density/m^2	Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs. /ha)	Net return (Rs. /ha)	B:C ratio
		No. of effective tillers/hill	Plant height (cm)	Panicle length (cm)						
TO_1 (FP)	7	13.2	91.6	18.2	27.9	42.8	35620	87312	51692	2.45
TO_2		14.8	97.1	19.1	20.2	45.3	35110	92412	57302	2.63
TO_3		18.1	101	20.6	14.6	48.6	36870	99144	62274	2.69

Results: On the basis of above experiment the treatment TO_3 perform better than other two treatment with respect to average weed density/m^2 (14.6), average yield (48.6 q/ha) and B:C ratio (2.69) respectively.

OFT- 4 (Agronomy) (2022-23)

1.	Title of On farm Trial	Integration of fertilizer in different form on yield of lentil
2.	Problem diagnosed	Injudicious use of chemical fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 (FP) – Seed treatment + RDF (20:40:0 NPK kg/ha) TO_2 - 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage TO_3 – Seed treatment with PSB + Rhizobium, 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ANDUAT, Ayodhya
5.	Production system and thematic area	Rice-lentil Production System & Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Soil data before and after (pH, EC, OC, NPK), grain yield, No. of plant/m, 1000 grain wt., No. of pod/plant, strover yield and Economics
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Thematic area: Crop production

Problem definition: Injudicious use of chemical fertilizer

Technology assessed:

TO_1 (FP) – Seed treatment + RDF (20:40:0 NPK kg/ha)
TO_2 - 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage
TO_3 – Seed treatment with PSB + Rhizobium, 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage

Table:

Technology option	No. of trials	Yield component			Weed density/m^2	Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs./ha)	Net return (Rs. /ha)	B:C ratio
		No. of effective tillers/hill	Plant height (cm)	Panicle length (cm)						
TO_1 (FP)										
TO_2										
TO_3										

Results: Ongoing

OFT- 5 (Agronomy) (2022-23)

1.	Title of On farm Trial	Improvement of nitrogen use efficiency in wheat
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 (FP) – RDF (100:40:20) Kg/ha TO_2 - 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS) TO_3 – 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour. BAU Ranchi and RPCAU, Pusa, ICAR RCER, Patna
5.	Production system and thematic area	Rice-Wheat & INM
6.	Performance of the Technology with performance indicators	Soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m2 ,1000 grain wt., Panicle wt., Straw yield and Economics
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Thematic area: INM

Problem definition: Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation

Technology assessed:

TO_1 (FP) – RDF (100:40:20) Kg/ha
TO_2 - 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS)
TO_3 – 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water

Table:

Technology option	No. of trials	Yield component			Weed density/m^2	Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs. /ha)	Net return (Rs. /ha)	B:C ratio
		No. of effective tillers/hill	Plant height (cm)	Panicle length (cm)						
TO_1 (FP)	7									
TO_2										
TO_3										

Results: Ongoing

OFT- 6 (Extension Education) (2022-23)

1	**Title**	Assessment of soil health card in Gaya district
2	**Problem diagnosed**	Only few farmers are aware about importance and benefits of Soil Health Card
3	**Technological option**	Farmers Practice- Farmers having no Soil Health Card not applying recommended dose of fertilizer. TO_1 – Have Soil Health Card but applying as recommended in training/ Group meeting TO_2 - Have Soil Health Card and apply fertilizers as per recommendations.
4	**Source of Technology**	BAU, Ranchi, Jharkhand
5	**Replication**	90
6	**Production system and thematic area:**	Paddy-Wheat-Green gram and Capacity building
7	**Performance of the technology with performance indicators**	i. Level of knowledge (%) ii. Level of adoption (%) iii. Yield (qt./ha) iv. BCR
8	**Constraints identified**	Low reliability on SHC and difficulty in calculation of fertilizer dose
9	**Process of Farmer Participation**	Training, Group discussion and positive response of farmers.

Thematic area: Capacity building

Problem definition: Only few farmers are aware about importance and benefits of Soil Health Card

Technology assessed:

Farmers Practice- Farmers having no Soil Health Card not applying recommended dose of fertilizer.
TO_1 – Have Soil Health Card but applying as recommended in training/ Group meeting
TO_2 - Have Soil Health Card and apply fertilizers as per recommendations.

Table:

Tech. Option	No. of trial	Level of knowledge (%)	Level of adoption (%)	Yield (qt./ha)	Cost of cultivation (Rs/ha)	Gross. Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
Farmers Practice	90	25.3	21.1	22.2	29122	45287	16165	1.56
TO_1		36.8	31.1	24.0	30827	49009	18182	1.59
TO_2		51.6	46.2	29.6	32079	60394	28315	1.88

Result: The data in table reveals that TO_2 (have Soil Health Card and apply fertilizers as per recommendations) is more effective in increasing level of knowledge (51.6%), adoption (46.2%) with highest B C Ratio of 1.88 than recommendation of fertilizer given through training/ group meeting. Hence, more and more farmers should be motivated to have SHC and apply dose of fertilizers as per recommendations in SHC.

OFT- 7 (Extension Education) (2022-23)

1	**Title**	Assessing the Extension Education methods for awareness and use of Soil Health Card
2	**Problem diagnosed**	Low yield due to imbalanced nutrients in the soil as a result of less awareness towards use of fertilizers as recommended in SHC.
3	**Technological option**	Farmers Practice: Without Extension Education methods TO_1: Farmers having SHC with Training Literature TO_2: Farmers having SHC with Customized social media advisory TO_3: Farmers having SHC with Training Literature and Customized social media advisory
4	**Source of Technology**	BAU, Ranchi, Jharkhand
5	**Replication**	60
6	**Production system and thematic area:**	Paddy-Wheat-Green gram and Capacity building
7	**Performance of the technology with performance indicators**	1. Knowledge related to SHC 2. Change in Awareness level with respect to use of SHC 3. Adoption of Recommended Practice in relation to SHC 4. Data related to Extension Efficiency Parameter
8	**Constraints identified**	
9	**Process of Farmer Participation**	

Thematic area: Capacity building

Problem definition: Low yield due to imbalanced nutrients in the soil as a result of less awareness towards use of fertilizers as recommended in SHC.

Technology assessed:

Farmers Practice: Without Extension Education methods
TO_1: Farmers having SHC with Training Literature
TO_2: Farmers having SHC with Customized social media advisory
TO_3: Farmers having SHC with Training Literature and Customized social media advisory

Table:

Tech. Option	No. of trial	Level of knowledge (%)	Level of adoption (%)	Yield (qt./ha)	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
Farmers Practice	60							
TO_1								
TO_2								
TO_3								

Result: **Ongoing**

OFT- 8 (Veterinary) (2022-23)

1.	Title of On farm Trial	Effect of feeding and local application of herbal medicine on clinical and subclinical mastitis
2.	Problem diagnosed	Mastitis is the major problem in milch animal. Its treatment is costly and loss the milk production
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	All animals are dewormed before starting trial. Farmer Practice (FP) -Hot fomentation TO_1: Herbal gel (lacto mastigel) application 5 times for 5 days TO_2: Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastfree) 80 ml orally 3 days (Herbal gel –Aloe vera Paste 250g +Lemon Juice (6no.)+Neem Leaf 50g+Garlic paste 50g +Turmeric powder 50g Oral herbal -Aloe vera Pulp 250g +Lemon Juice 2no +Moringa Leaves 50g +Satavari 50g + Jivanti 20g)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI, Izatnagar
5.	Production system and thematic area	Semi-intensive & Disease management
6.	Performance of the Technology with performance indicators	1. Udder Condition 2. Milk Color 3. Milk Consistency 4. Total Milk Yield 5. Milk pH 6. CMT Test 7. No. of days required for recovery of animal 8. Benefit Cost ratio
7.	Final recommendation for micro level situation	TO_2 is more beneficial than TO_1 & FP
8.	Constraints identified and feedback for research	Lack of balanced ration and awareness about mastitis
9.	Process of farmers participation and their reaction	Farmers are ready to accept this technology as it is easy to use in field condition

Thematic area: Disease management

Problem definition: Mastitis is the major problem in milch animal. Its treatment is costly and loss the milk production

Technology assessed:

Farmer Practice (FP) -Hot fomentation
TO1: Herbal gel (lacto mastigel) application 5 times for 5 days
TO2: Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastfree) 80 ml orally 3 days
(Herbal gel –Aloe vera Paste 250g +Lemon Juice (6no.)+Neem Leaf 50g+Garlic paste 50g +Turmeric powder 50g
Oral herbal -Aloe vera Pulp 250g +Lemon Juice 2no +Moringa Leaves 50g +Satavari 50g + Jivanti 20g)

Table:

Technology option	No. of trials	Udder Condition (inflammation)	Milk Colour (straw-coloured milk)	normal Milk Consistency	Average Milk Yield /Day/Animal	Milk pH	CMT Test (+ve)	No. of days required for recovery of animal	Cost	Gross return	Net return	B:C ratio
FP	7	7	5	3	6.3	6.9	5	17	3535	7365	3830	2.08
TO_1		3	1	5	6.6	6.8	2	13	3650	8010	4360	2.19
TO_2		1	0	7	7	6.7	0	10	4000	9060	5060	2.27

Result: The data in table reveals that Tech. option-II i.e., Herbal gel application 5 times for 5 days and + Oral herbal (lacto mastfree) 80 ml orally 3 days is more effective in treating subclinical mastitis as conspired to Tech. option-I and FP in terms of udder condition, milk colour, consistency, milk yield, pH, CMT Test, recovery of animals and return.

OFT- 9 (Veterinary) (2022-23)

1.	Title of On farm Trial	Study on production and comparative nutritive value evaluation of hydroponic wheat and maize fodder
2.	Problem diagnosed	Low milk production due to low availability of greenfodder
3.	Details of technologies selected for assessment /refinement (Mention either Assessed or Refined)	**Farmer's Practice:** No idea of producing hydroponic fodder **TO_1:** Capacity building on hydroponic maize fodder production **TO_2:** Capacity building on hydroponic wheat fodder production
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI, Izatnagar
5.	Production system and thematic area	Semi-intensive & Feed management
6.	Performance of the Technology with performance indicators	a) Milk yield (kg/ cow/ day) b) Cost of feed (Rs. / cow/ day) c) Feed cost/ kg milk production (Rs.) d) Gross return from milk (Rs. / cow/ day) e) Net profit (Rs. / cow/ day) f) BC ratio
7.	Final recommendation for micro level situation	TO_2 is more beneficial than TO_1 & FP
8.	Constraints identified and feedback for research	Lack of balanced ration and knowledge about hydroponic fodder
9.	Process of farmers participation and their reaction	Farmers are ready to accept this technology as it is easy to grow hydroponic fodder

Thematic area: Feed management

Problem definition: Low milk production due to low availability of greenfodder

Technology assessed:

Farmer's Practice: No idea of producing hydroponic fodder
TO1: Capacity building on hydroponic maize fodder production
TO2: Capacity building on hydroponic wheat fodder production

Table:

Technology option	No. of trials	Average Milk Yield /Day/Animal	Cost of feed (Rs. / cow/ day)	Feed cost/ kg milk production (Rs.)	Cost of production	Gross return	Net return	B:C ratio
FP	7	6.3	101.58	16.12	7295	15120	7825	2.07
TO_1		7.5	114.50	15.27	8070	18000	9930	2.23
TO_2		8.1	118.46	14.62	8308	19440	11132	2.34

Result: The data in table reveals that Tech. option-II i.e., Capacity building on hydroponic wheat fodder production is more beneficial as conspired to Tech. option-I and FP as milk production net return and BR ration is more.

3.1.2 Technology Assessed by KVK (Discipline wise)

	Technologies assessed under various crops by KVKs (Crop Production)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management	10	3	21
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management	3	1	7
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems	4	1	7
17	Farm Mechanization			
18	Others			
	Total	**17**	**5**	**35**
	Technologies assessed under livestock by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease Management	3	1	7
2	Evaluation of Breeds			
3	Feed and Fodder management	3	1	7
4	Nutrition Management			
5	Production and Management			

6	Processing and value addition			
7	Others (Pl. specify)			
	Total	**6**	**2**	**14**
	T**echnologies assessed under various enterprises by KVKs**			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	**0**	**0**	**0**
	T**echnologies assessed under various enterprises for women empowerment**			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2 Achievements of Frontline Demonstrations during 2022

A. Details of FLDs conducted during the year 2022

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Wheat 2021-22	Bio-fortified	BHU-31	6.0	6.4	1	0	0	0	4	1	5	1	6	
			BHU-25			2	0	0	0	2	0	4	0	4	
			WB-02			1	0	0	0	5	0	6	0	6	
2.	Wheat 2021-22	ICM	ZT, S. Shrestha, Herbicide	10	10	4	1	0	0	20	0	24	1	25	
3.	Ragi 2022-23	ICM	Transplanting, Seed (A-404)	5	4	12	1	0	0	11	1	23	2	25	
4.	Paddy 2022-23	ICM	Transplanting, Seed (Sabour Harshit)	5	8	8	1	0	0	7	4	15	5	20	
5.	Paddy 2022-23	ICM	Transplanting, Seed (Sabour Sampan)	2.5	3	2	0	0	0	6	0	8	0	8	
6.	Wheat 2022-23	Bio-fortified	BHU-31	1.25	1.25	2	0	0	0	4	0	6	0	6	
			BHU-25	1.25	1.25	1	0	0	0	5	0	6	0	6	
7.	Wheat 2022-23	ICM	ZT, DBW 187	10	10	10	0	0	0	14	1	24	1	25	
8.	Mushroom 2021-22	Mushroom production	Button mushroom	250 bags	250 bags	8	4	0	0	29	9	37	13	50	
9.	Mushroom 2022-23	Mushroom production	Button mushroom	250 bags	200 bags	3	4	0	0	8	32	11	36	47	
10.	Dairy 2022-23	Feed management	Chelated Mineral Mixture	60 Nos.	60 Nos.	4	0	0	0	23	0	27	0	27	
11.	Fodder Grass 2022-23	Fodder production	Seed (Makhan grass)	1	1	6	1	0	0	12	1	18	2	20	

Details of farming situation

S.N.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)				Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P_2O_5	K_2O	OC					
1.	Wheat 2021 - 22	Rabi	Irrigated	Clay loam	193.4	20.3	254.6	0.4	Paddy	20 Nov.2021	11 Apr. 2022	65.9	13
				Clay loam	193.4	20.3	254.6	0.6	Paddy	25 Nov.2021	11 Apr. 2022	65.9	13
				Clay loam	192.6	20.7	261.9	0.5	Paddy	15 Dec 2021	11 Apr. 2022	65.9	13
2.	Wheat 2021- 22	Rabi	Irrigated	Clay loam	192.6	20.7	261.9	0.4	Paddy	25 Nov 2021	10 Apr. 2022	65.9	13
3.	Ragi 2022-23	Kharif	Rainfed	Clay loam	189.7	19.8	297.1	0.5	Wheat	20 June2022	30 Nov.2022	566.3	62
4.	Paddy 2022-23	Kharif	Irrigated	Clay loam	198.5	18.6	298.1	0.4	Wheat	02 July 2022	02 Dec 2022	502.2	56
5.	Paddy 2022-23	Kharif	Irrigated	Clay loam	192.7	19.5	291.3	0.6	Wheat	05 July 2022	02 Dec 2022	502.2	56
6.	Wheat 2022 -23	Rabi	Irrigated	Clay loam	193.4	20.3	254.6	0.5	Paddy	04 Dec 2022	-	0.0	0
				Clay loam	192.6	20.7	261.9	0.5	Paddy	08 Dec 2022	-	0.0	0
				Clay loam	193.4	20.3	254.6	0.5	Paddy	09 Dec 2022	-	0.0	0
7.	Wheat 2022 -23	Rabi	Irrigated	Clay loam	193.4	20.3	254.6	0.5	Paddy	19 Nov.2022	-	0.0	0

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

B. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

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

Pulses

Frontline demonstration on pulse crops

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

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

Frontline demonstration on pulse crops

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat 2021 - 22	Biofortified	BHU-31	6	6.4	38.5	32.6	18.10			28250	76038	47788	2.69	28960	64385	35425	2.22
		BHU-25	4	2.2	36.25	32.6	11.20			28250	71613	43363	2.53	28960	64385	35425	2.22
		WB-02	6	1.6	34.8	32.6	6.75			28250	68730	40480	2.43	28960	64385	35425	2.22
Wheat 2021- 22	ICM	ZT, S. Shrestha, Herbicide	25	10	40.6	32.6	24.54			30430	86275	55845	2.84	31100	69275	38175	2.23
Ragi 2022-23	ICM	Transplanting, Seed (A-404)	25	4	12.2	9.4	29.79			18890	41199	22309	2.18	20360	31744	11384	1.56
Paddy 2022-23	ICM	Transplanting, S. Harshit	20	8	35.2	31.6	11.39			36840	71808	34968	1.95	37110	64464	27354	1.74
Paddy 2022-23	ICM	Transplanting, S. Sampan	8	3	36.8	32.6	12.88			37310	75072	37762	2.01	37890	66504	28614	1.76
Wheat 2022 -23	Biofortified	BHU-31	6	1.25	Ongoing												
		BHU-25	6	1.25	Ongoing												
Wheat 2022 -23	ICM	ZT, Seed (DBW 187)	25	10													
	Total		**131**	**47.7**													

Demonstration details on crop hybrid varieties

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										

Crop	Name of the Hybrid	No. of Farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

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

** BCR= GROSS RETURN/GROSS COST

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 2022-23	Dairy management	Chelated mineral mixture	27	60	-	-	13.33	8.5	7.5	7450	17250	9800	2.32	7100	15150	8050	2.13
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Fodder 2022-23	Fodder production	Makhan Grass	20	1.0	510	460	10.87	7.5	6.5	6940	17460	10520	2.52	6850	15800	8950	2.31
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

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

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	Enterprise development															
Button mushroom 2021-22	Button mushroom	50	250	2.8kg/bag	1.5kg/bag	46.57	-	-	81.00/bag	308/bag	227/bag	3.81	60.34/bag	135/bag	74/bag	2.22
Button mushroom 2022-23	Button mushroom	47	200	Ongoing												
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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	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									

* 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

Farm Machinery

Category	Name of the implement / Equipment / Tool	Crop (if applicable)	No. of Technologies	No. of Demos	Area (ha)
Sowing and planting tools and machineries					
Total					
Intercultural operation tools and machineries					
Total					
Irrigation management tools and machineries					
Total					
Plant protection tools and machineries					
Total					
Harvesting tools and machineries					
Total					
Postharvest processing tools and machineries					
Total					
Total mechanization tools and machineries					
Total					
Others					
Total					
Grand Total					

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Wheat 2021-22 (Bio-fortified)	Biofortified varieties produced at par yield will high zinc content quality
2.	Wheat 2021-22 (ZT, S. Shrestha, Herbicide)	High yielding variety under weed control measurement.
3.	Ragi 2022-23	High yielding under rainfed condition
4.	Paddy 2022-23	Medium duration high yielding. Suitable for irrigated condition
5.	Wheat 2022-23 (Bio-fortified)	-
6.	Wheat 2022-23 (ZT, DBW - 187)	-
7.	Mushroom	High market price and nutritional security
8.	Dairy 2022-23	Chelated mineral mixture increased the milk production and reduces the infertility in animal
9.	Fodder Grass 2022-23	It contains high protein and dry matter. Thus, it increases milk production in cattle

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	22.02.2022	1	81	Field day on wheat
		23.02.2022	1	87	Field day on lentil at Naili, Neemchak Bathani
		03.03.2022	1	102	Field day on Pigeonpea under CFLD at Bela, Barachatti
		09.03.2022	1	95	Field day on Mustard under CFLD
		10.03.2022	1	102	Field day on Chickpea under CFLD at Rajoi-Rampur, Paraiya
		14.03.2022	1	101	Field day on Mustard under CFLD
		15.03.2022	1	108	Field day on Rabi crops at Rasalpur, Manpur
		25.03.2022	1	62	Field day on Rabi crops at Rasalpur, Nagar
		26.03.2022	1	111	Field day on wheat under ATMA funded project at Chaksev, Wazirganj, Gaya
		28.06.2022	1	81	Field day on Green gram at Paraiya Khurd, Paraiya
2.	Farmers Training	23.03.2022	1	21	Scientific cultivation of moong
		13.04.2022	1	26	Package & practices of green gram
		05.07.2022	1	18	Package & practices of pigeonpea
		12.07.2022	1	19	Package & practices of pigeonpea
		01.11.2022	1	27	Package & practices of chickpea
		05.11.2022	1	28	Package & practices of lentil
		07.11.2022	1	22	Package & practices of chickpea
		25.11.2022	1	19	Package & practices of wheat
3.	Media coverage	23.11.2022	1		Fallow rice
4.	Training for extension functionaries				

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif, Rabi and summer 2022

A. 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
2021-22															
1	Mustard	Kala sona	7.96	643	1187	2600	RH – 0749 @ 5 kg/ha + Sulphur @ 40 kg/ha, Imidacloprid @ 250 ml/ha and Azotobacter & PSB @ 1.25 l/ha	127	40	17	14.6	15.6	42.6	31.42	-40
2	Pigeon pea	Laldana	12.4	769	612	1260	NA-2 @20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @ 1.25 liter/ha + Sulphur @ 20 kg/ha + Micro-nutrient 625 g/ha + Indoxacarb 1.25 l/ha	25	10	16.3	9.4	12.9	36.0	30.6	48.6
3	Chickpea	Chotki Chana	10.8	795	684	920	RVG – 203 @ 75kg/ha + Thiram @ 2g/kg seed	25	10	19.8	11.9	15.9	15.5	10.1	20.8
4	Lentil	Titki	7.4	738	622	860	HUL – 57 @ 40kg/ha + Thiram @ 2g/kg seed + Sulphur @ 20 kg/ha + Imidacloprid @ 250 ml/ha, Carbendazim + Mancozeb @ 1.25kg/ha	25	10	16.4	8.8	12.6	14.7	7.5	21.3
5	Green gram	Bada Dana	4.6	430	324	540	Virat @ 20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @500 ml/acre seed + Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha	25	10	7.9	5.6	6.8	24.2	13.9	32.5
2022-23															
1	Mustard	Pili sarson	Crop Standing				PM -30 + Sulphur @ 40 kg/ha + Profenofos + Carbendazim + Mancozeb + Trichoderma + Viridii + Azotobacter + PSB	51	20						

2	Pigeon pea	Laldana		Seed (Var.- IPL-203), Sulphur @ 20 kg/ha, PSB @ 1.25 l/ha, Rhizobium @ 625 ml/ha, Trichoderma @ 2 kg/ha, Carbendazim + Mancozeb @ 1.25 kg/ha, Thiamethoxam @ 650 ml/ha	50	20						
3	Chickpea	Chotki Chana		Seed (Var- GCP-105)	50	20						
4	Lentil	Titki		Seed (Var.-IPL - 306), Sulphur @ 20 kg/ha, PSB @ 1.25 l/ha, Rhizobium @ 625 ml/ha, Carbendazim + Mancozeb @ 1.25 kg/ha	50	20						

B. 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
2021-22									
1	RH – 0749 @ 5 kg/ha + Sulphur @ 40 kg/ha, Imidacloprid @ 250 ml/ha and Azotobacter & PSB @ 1.25 l/ha	24024	49009	24985	2.04	30250	88861	58611	2.94
2	NA-2 @20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @ 1.25 liter/ha + Sulphur @ 20 kg/ha + Micro-nutrient 625 g/ha + Indoxacarb 1.25 l/ha	19520	59500	39980	3.05	18210	73500	55290	4.04
3	RVG – 203 @ 75kg/ha + Thiram @ 2g/kg seed	22690	76920	54230	3.39	21320	101400	80080	4.76
4	HUL – 57 @ 40kg/ha + Thiram @ 2g/kg seed + Sulphur @ 20 kg/ha + Imidacloprid @ 250 ml/ha, Carbendazim + Mancozeb @ 1.25kg/ha	19290	53550	34260	2.78	18105	61425	43320	3.39
5	Virat @ 20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @500 ml/acre seed + Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha	18650	41145	22495	2.21	17550	64355	46805	3.67
2022-23									
1	PM -30 + Sulphur @ 40 kg/ha + Profenofos + Carbendazim + Mancozeb + Trichoderma + Viridii + Azotobacter + PSB								

2	IPL-203, Sulphur, Rhizobium, PSB, Trichoderma, Carbendazim + Mancozeb, Thiamethoxam								
3	GCP-105								
4	IPL 306, Sulphur, PSB, Rhizobium, Carbendazim + Mancozeb								

C. Socio-economic impact parameters 2022

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Mustard & RH-0749	64640	450	55	10	93	To meet own family expenses	38
2	Pigeon pea & NA-02	1290	1150	60	8	132	To meet own family needs	1
3	Chickpea & RVG-203	1590	1380	50	50	160	Child education	1
4	Lentil & HUL - 57	1260	1120	40	40	100	To meet own family needs	1
5	Green gram & Virat	680	420	50	8	252	To meet own family needs	1

D. Pulses/Oilseed Farmers' perception of the intervention demonstrated 2022

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
Oilseed							
1	RH – 0749 @ 5 kg/ha + Sulphur @ 40 kg/ha, Imidacloprid @ 250 ml/ha and Azotobacter & PSB @ 1.25 l/ha	Suitable	farmer likings variety	70%	No	Yes, it is acceptable provided irrigation facility if available (63%)	Timely sowing gives better result
Pulse							
1	Sulphur, herbicide, Trichoderma & insecticide	Suitable to their soil and environment condition	Farmers prefer improved varieties over their local	Yes	No	Yes, it is acceptable.	• Short duration variety is required due to low moisture regime during growth period

2	Quality seed and seed treatment	Well suited	Farmers generally prefers late sown variety of chickpea	Yes	No winter rainfall received during crop period. Surface irrigation is not possible in heavy soil and micro-irrigation system is not popular and available till date.	Yes, it is acceptable.	• Fund per hectare should be increased in this crop • Seed of late sown chickpea variety is required in this district because late harvest of paddy delays sowing time
3	Quality seed	Well suited	Most choice crop among rabi pulses	Yes	No	Yes, it is acceptable.	• Fund per hectare should be increased • More area should be allotted to KVK, Gaya under this crop due to liking by the farmers
4	Quality seed	Suitable to their soil and environment condition	Farmers prefer improved varieties over their local	Yes	No	Yes, it is acceptable.	• Short duration variety is required due to low moisture regime during growth period

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop – 1: Mustard			
Sulphur application	Yield increased	Almost 9% increase in yield was observed in Sulphur applied plots	Increase in seed yield and oil yield both by observed by farmers when Sulphur was applied in the field
Crop – 2: Pigeon pea			
Resistant to disease	Enhanced seed yield	Check plot realized less yield	For enhancing yield sulfur application is essential
Use of insecticide against pod borer	Reduced infestation upto 80%	In check plots severity was more	Farmers realized to spray insecticide two times to reduce the damage from podborer
Crop – 3: Chickpea			
Resistant to pod borer	Treated plot performed better in respect of growth and yield	Untreated seed if sown in the field, plant stand was poor & less yield realized	Farmers were satisfied to see the impact of seed treatment
Crop – 4: Lentil			
Resistant to wilt	High yielding variety	In local check plots this was observed more	Pre-emergence application of herbicide reduces all kind of weeds
	Reduced wilt infestation by 30%	In local check plots the severity was more	Soil application of trichoderma culture reduces wilt information
Crop – 5: Green gram			
Resistant to disease	Enhanced seed yield	Check plot realized less yield	For enhancing yield sulfur application is essential

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day – Pigeon pea	03/03/2022 – Vill. - Bela, Block - Barachatti	87
2	Field day – Chickpea	10/03/2022 – Vill. – Rajoi Rampur, Block - Paraiya	95
3	Field day – Lentil	23/02/2022 – Vill. - Naili, Block – Neemchak Bathani	81
4	Field day – Mustard	09/03/2022 – Vill. - Adai, Block - Konch	105
5	Field day – Mustard	14/03/2022 – Vill. - Bishunganj, Block - Nagar	102

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

1. Mustard

2. Pigeonpea

3. Chickpea

4. Lentil

5. Greengram

H. Farmers' training photographs

a. Mustard

b. Pigeonpea

c. Chickpea

d. Lentil

e. Greengram

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

1. Mustard

2. Pigeonpea

3. Chickpea

4. Lentil

5. Greengram

J. 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			

Gramin Krishi Mausam Sewa: -

Sl. No.	Programme	No.
1	Total No. of Advisory	104
2	Field Visit	90
3	Feedback taken	1829
4	Farmers call	2162
5	No of farmers in social media group	6098
6	No. of beneficiaries	870256

1. District Climatic Data: -

S.N.	Month	Average Rainfall
1	January	28.9
2	February	13.6
3	March	0.0
4	April	0.0
5	May	19.1
6	June	47.8
7	July	112.2
8	August	211.3
9	September	178.7
10	October	39.8
11	November	0.0
12	December	0.0

2. Details of Agro Advisory Services: -

104 Agro Advisory published in 2022 after proper discussion with the advisory panel. The advisory is prepared every Tuesday and Friday and disseminated through WhatsApp, Facebook, News Paper, Kisan Gosthi, FAP, Agriculture department, NGO, email, short messages, call. 6098 farmers receiving Agromet advisory bulletin though social media and WhatsApp group.

3. Research Paper Published: 00

4. Detail FAP/ Training and the Outreach Programme: -

S.No.	Month	No. of FAP	No. of participants
1	January	2	64
2	February	3	95
3	March	5	209
4	April	3	103
5	May	7	801
6	June	5	431
7	July	5	159
8	August	3	86
9	September	9	785
10	October	2	335
11	November	5	332
12	December	6	271
	Total	**55**	**3671**

SCHEDULED CASTE SUB – PLAN (SCSP)

Frontline demonstration

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
Wheat 2021-22	ICM	Variety (HD - 2967) + Seed Treatment	50	10	31.7	27.5	15.27	30550	68750	38200	2.25	35840	76950	41110	2.15
Chickpea 2021-22	ICM	Variety (PG - 186) + Seed Treatment	25	5	15.9	12.7	25.20	26980	87500	60520	3.24	20950	53650	32700	2.56
Paddy 2022-23	ICM	Variety (S. Harshit) + Seed Treatment	43	10	39.6	34.9	13.47	42430	87880	45450	2.07	44100	90110	46010	2.04
Wheat 2022-23	ICM	Variety (DBW-187 & S. Shrestha) + Seed Treatment	42	10											
Chickpea 2022-23	ICM	Variety (GNG-2299) + Seed Treatment	33	5											
Potato 2022-23		K.Lalit + K. Nilkanth	78	2.5											
Vegetables Plant		Tomato	6	550 No.											
		Brinjal	8	650 No.											
		Chilli	12	1900 No											
Poultry	Poultry farming	Sonali	56	450 No.											

SCHEDULED CASTE SUB – PLAN (SCSP) – Capital 2022

Sl. No.	Item	No. of item	No. of farmer
1.	Sewing Machine	19	19

CLIMATE RESILIENT AGRICULTURE PROGRAM (CRAP)

Proposed target and area achieved under different interventions during Rabi, 2021-22:

S. No.	Proposed Interventions	Variety	Target Area (Acre)	Achieved Area (Acre)	Yield (Q/ha)		Straw Yield (Q/ha)		Harvest Index (%)	
					Demo	Local check	Demo	Local check	Demo	Local check
1	Zero Tillage Wheat	HD-2967	425	425	44.4	39.6	53.4	51.4	45.47	43.52
		DBW - 187			46.8	41.38	55.24	53.2	45.86	43.75
		Sabour Shrestha			35.6	33.4	49.9	48.4	41.64	40.83
2	Happy seeder	HD-2967			42.15	39.6	50.42	50.24	45.53	44.08
3	NE/Green Seeker based Nutrient Management	HD-2967	75	75	46.1	44.2	55.1	53.45	45.55	45.26
4	Zero Tillage Lentil	HUL-57	25	25	10.5	8.9	12.8	11.2	45.06	44.28
5	Zero Tillage Mustard	Pusa Sarson-31	40	40	7.4	6.5	10.5	10.1	41.34	39.16
6	Maize with potato intercropping	DKC-9081 + Kufri Mohan	25	25	48.8	42.15	59.6	53.4	45.02	44.11
7	Zero Tillage Chickpea	RVG-203	30	30	14.4	11.26	17.2	14.9	45.57	43.04
8	Raised bed Potato	Kufri Mohan	3	3	310	242	0	0	-	-

Results (Rabi 2021-22)

S. No.	Name of technology	Variety	Cost of cultivation (Rs./ha)		Gross Return (Rs/ha)		Net Return (Rs./ha)		B:C Ratio	
			Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
1	Zero Tillage Wheat	HD-2967	33500	35200	89466	79794	55966	44594	2.67	2.27
		DBW - 187	33500	35200	94302	83380	60802	48180	2.81	2.37
		Sabour Shrestha	33500	35200	71734	67301	38234	32101	2.14	1.91
2	Happy seeder	HD-2967	34200	35200	82614	77616	48414	42416	2.42	2.21
3	NE/Green Seeker based Nutrient Management	HD-2967	31400	35200	92891	89063	61491	53863	2.96	2.53
4	Zero Tillage Lentil	HUL-57	18400	20500	57750	48950	39350	28450	3.14	2.39
5	Zero Tillage Mustard	Pusa Sarson-31	20500	23100	37370	32825	16870	9725	1.82	1.42
6	Maize with potato intercropping	DKC-9081+ Kufri Mohan	25600	28300	91256	78820	65656	50520	3.56	2.79
7	Zero Tillage Chickpea	RVG-203	20800	24400	75312	58889	54512	34489	3.62	2.41
8	Raised bed Potato	Kufri Mohan	122500	130400	248000	193600	125500	63200	2.02	1.48

Physical and achieved target under CRAP project in Summer-2022:

Demonstrated Technology	Variety	Physical Target Area (Acre)	Achieved Target area (Acre)	
			Farmer's field	KVK
Zero tillage Moong	Virat	250	257	1
Lazer Land Leveler	-	63	63	1

Results (Summer 2022)

Crop	Technology	Grain yield (q/ha)		Straw yield (q/ha)		Cost of Cultivation (INR/ha)		Gross Return (INR/ha)		Net Return (INR/ha)		B : C Ratio	
		Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
Summer season (2022)	Zero tillage Moong	8.6	7.2	22.6	21.5	38.05	33.48	18200	19500	51600	43200	2.84	2.22

Proposed target, area achieved and results under different interventions during Kharif-2022:

Crop	Technology	Variety	Target (Acre)	Demonstration (Acre)	Grain yield (q/ha)		Straw yield (q/ha)		Harvest Index (%)	
					Demo	Local check	Demo	Local check	Demo	Local check
Rice	Direct Seeded Rice	R. Sweta	60	60	42.13	33.17	47.26	44.10	47.13	43.07
	Transplanted Rice	Arize-6444 Gold	240	240	64.23	49.25	67.71	56.83	46.68	46.13
		Swarna Shreya			34.29	31.64	42.88	41.62	44.43	43.19
		Swarna Samridhi			44.15	36.13	49.88	47.96	80.25	42.97
		R. Sweta			43.71	41.63	48.24	46.38	47.54	47.30
	Alternate wetting/drying irrigation in rice	R. Sweta	80	80	43.67	36.58	53.14	52.48	45.11	48.85
	Water harvesting and field bunding in rice	R. Sweta	50	50	44.24	38.36	53.46	48.66	45.28	42.23
	Nutrient Expert/green seeker based nutrient management /INM in Rice	R. Sweta	35	35	43.24	36.27	49.89	44.87	46.43	42.71
Maize	Raised Bed planting	DKC - 7074	30	30	48.7	39.98	47.11	44.87	43.23	42.23
Maize + Pigeon Pea	Intercropping	DKC – 7074 + IPA - 203	30	30	Crop standing					
Ragi		RAU - 8	5	5	9.23	6.56	15.23	12.28	37.74	34.27
Bajra		NPH - 4915	5	5	31.75	29.69	45.25	41.25	41.23	42.23
Pigeon Pea	Raised Bed planting	IPA - 203	40	40	Crop standing					
	Community Irrigation		20	00						
		Total	**595**	**575**						

Results (Kharif-2022)

Crop	Name of technology	Variety	Cost of cultivation (INR/ha)		Gross Return (INR/ha)		Net Return (INR/ha)		B:C Ratio	
			Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
Rice	Direct Seeded Rice	R. Sweta	32250.0	30450.0	82575.0	65405.0	50325.0	34955.0	2.56	2.15
	Transplanted Rice	Arize-6444 Gold	34550.0	32460.0	124606.0	95545.0	90056.0	63085.0	3.61	2.94
		Swarna Shreya	33325.0	31450.0	66523.0	61382.0	33198.0	29932.0	2.00	1.95
		Swarna Samridhi	34550.0	32850.	77891.0	70092.0	43341.0	37242.0	2.25	2.13
		R. Sweta	34325.0	32875.0	85672.0	81595.0	51347.0	48720.0	2.50	2.48
	Alternate wetting/drying irrigation in rice	R. Sweta	33250.0	32550.0	85593.0	71697.0	52343.0	39147.0	2.57	2.20
	Water harvesting and field bunding in rice	R. Sweta	34350.0	33870.0	86710.0	75186.0	52360.0	41316.0	2.52	2.22
	Nutrient Expert/green seeker based nutrient management /INM in Rice	R. Sweta	32840.0	33460.0	84750.0	71089.0	51910.0	37629.0	2.58	2.12
Maize	Raised Bed planting	DK-7074	26850.0	23400.0	90265.0	63543	63465.0	40143	3.37	2.72
Maize + Pigeon Pea	Intercropping	DKC – 7074 + IPA - 203	Crop Standing							
Ragi	Transplanting	RAU - 8	18500.0	16850.0	31170.0	22153.0	12670.	5303.0	1.68	1.31
Bajra	Line sowing	NPH - 4915	26200.0	26500.0	72342.5	67627.5	46142.0	41127.5	2.70	2.40
Pigeon Pea	Raised Bed planting	IPA-203	Crop Standing							
	Community Irrigation									
		Total								

Proposed target under different interventions during Rabi-2022-23:

Fund provided by ATMA: Refinement on wheat under ATMA funded project **Rs. 75000/-**

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
2.	Wheat 2021-22	ICM	ZT, S. Shrestha, 1. Chlodinifop + Metsulfuron 2. Sulfosulfuron + Metsulfuron	10	10	4	1	0	0	20	0	24	1	25	

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat 2021- 22	ICM	ZT, S. Shrestha, Chlodinifop + Metsulfuron	25	10	40.6	32.6	24.54			30430	86275	55845	2.84	31100	69275	38175	2.23
		ZT, S. Shrestha, Sulfosulfuron + Metsulfuron			42.8	32.6	31.29			30480	90950	60470	2.98	31100	69275	38175	2.23

Result: Application of Sulfosulfuron + Metsulfuron shows the maximum gross return (Rs. 90950/-), net return (Rs. 60470/-) and BC ratio (2.98).

3.3 Achievements on Training (Including the sponsored and 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	3	41	8	49	15	3	18	0	0	0	56	11	67
Resource Conservation Technologies	1	30	14	44	13	5	18	0	0	0	43	19	62
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	20	281	22	303	150	48	198	0	0	0	431	70	501
Fodder production	2	36	1	37	33	2	35	0	0	0	69	3	72
Production of organic inputs	4	49	1	50	19	1	20	0	0	0	68	2	70
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	15	0	15	12	0	12	0	0	0	27	0	27
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													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	1	4	1	5	11	5	16	0	0	0	15	6	21
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	5	63	4	67	38	5	43	0	0	0	101	9	110
Poultry Management	6	40	10	50	44	29	73	0	0	0	84	39	123
Piggery Management													
Rabbit Management													
Disease Management	7	76	8	84	49	68	117	0	0	0	125	76	201
Feed management	1	3	2	5	17	8	25	0	0	0	20	10	30
Production of quality animal products													
Others, if any Goat farming	4	46	3	49	26	21	47	0	0	0	72	24	96
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming	1	7	0	7	21	0	21	0	0	0	28	0	28
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													

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 livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	10	0	10	3	2	5	0	0	0	13	2	15
Formation and Management of SHGs	1	11	1	12	4	0	4	0	0	0	15	1	16
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	29	28	57	12	18	30	0	0	0	41	46	87
WTO and IPR issues													
Others, if any													
Bee keeping	3	38	21	59	12	7	19	0	0	0	50	28	78
Farm mechanization	1	10	0	10	1	0	1	0	0	0	11	0	11
Information networking	1	12	3	15	0	0	0	0	0	0	12	3	15
Mushroom Production	1	3	2	5	8	4	12	0	0	0	11	6	17
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**66**	**804**	**129**	**933**	**488**	**226**	**714**	**0**	**0**	**0**	**1292**	**355**	**1647**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	1	19	0	19	13	0	13	0	0		32	0	32
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	26	0	26	3	1	4	0	0	0	29	1	30
Sheep and goat rearing	6	156	21	177	34	23	57	0	0	0	190	44	234
Quail farming													
Piggery													
Rabbit farming													
Poultry production													

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													
Enterprise development	5	61	52	113	24	12	36	0	0	0	85	64	149
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													
TOTAL	**13**	**262**	**73**	**335**	**74**	**36**	**110**	**0**	**0**	**0**	**336**	**109**	**445**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	16	2	18	8	0	8	0	0	0	24	2	26
Value addition													
Integrated Pest Management	2	27	12	39	12	0	12	0	0	0	39	12	51
Integrated Nutrient management	1	19	0	19	9	0	9	0	0	0	28	0	28
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													
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													
Natural farming	1	21	4	25	3	2	5	0	0	0	24	6	30
TOTAL	**5**	**83**	**18**	**101**	**32**	**2**	**34**	**0**	**0**	**0**	**115**	**20**	**135**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	6	100	3	103	30	2	32	0	0	0	130	5	135
Resource Conservation Technologies	5	105	4	109	7	0	7	0	0	0	112	4	116
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	11	136	25	161	48	14	62	0	0	0	184	39	223
Fodder production	1	11	1	12	4	0	4	0	0	0	15	1	16
Production of organic inputs	5	45	15	60	28	24	52	0	0	0	73	39	112
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													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber 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
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	2	61	5	66	15	3	18	0	0	0	76	8	84
Poultry Management	2	14	0	14	23	7	30	0	0	0	37	7	44
Piggery Management													
Rabbit Management													
Disease Management	4	71	10	81	11	19	30	0	0	0	82	29	111
Feed management	3	21	1	22	32	26	58	0	0	0	53	27	80
Production of quality animal products													
Others, if any Goat farming	1	0	2	2	0	24	24	0	0	0	0	26	26
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													

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
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management	2	30	0	30	15	0	15	0	0	0	45	0	45
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													

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
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	16	0	16	2	0	2	0	0	0	18	0	18
Mobilization of social capital	1	20	0	20	0	0	0	0	0	0	20	0	20
Entrepreneurial development of farmers/youths	5	49	42	91	7	22	29	0	0	0	56	64	120
WTO and IPR issues													
Others, if any													
Capacity Building	1	16	0	16	2	0	2	0	0	0	18	0	18
Information networking	1	0	78	78	0	6	6	0	0	0	0	84	84
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**51**	**695**	**186**	**881**	**224**	**147**	**371**	**0**	**0**	**0**	**919**	**333**	**1252**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture													
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													

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	1	19	4	23	8	1	9	0	0	0	27	5	32
Integrated Pest Management	1	11	0	11	7	0	7	0	0	0	18	0	18
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	1	18	2	20	7	0	7	0	0	0	25	2	27
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	24	0	24	6	0	6	0	0	0	30	0	30
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	**4**	**72**	**6**	**78**	**28**	**1**	**29**	**0**	**0**	**0**	**100**	**7**	**107**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	9	141	11	152	45	5	50	0	0	0	186	16	202
Resource Conservation Technologies	6	135	18	153	20	5	25	0	0	0	155	23	178
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	31	417	47	464	198	62	260	0	0	0	615	109	724
Fodder production	3	47	2	49	37	2	39	0	0	0	84	4	88
Production of organic inputs	9	94	16	110	47	25	72	0	0	0	141	41	182
Others, (cultivation of crops)													
TOTAL	**58**	**834**	**94**	**928**	**347**	**99**	**446**	**0**	**0**	**0**	**1181**	**193**	**1374**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	15	0	15	12	0	12	0	0	0	27	0	27
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL	1	15	0	15	12	0	12	0	0	0	27	0	27
b) Fruits													
Training and Pruning													
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)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													

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
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
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	1	4	1	5	11	5	16	0	0	0	15	6	21
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	1	4	1	5	11	5	16	0	0	0	15	6	21
IV. Livestock Production and Management													
Dairy Management	7	124	9	133	53	8	61	0	0	0	177	17	194
Poultry Management	8	54	10	64	67	36	103	0	0	0	121	46	167
Piggery Management													
Rabbit Management													
Disease Management	11	147	18	165	60	87	147	0	0	0	207	105	312
Feed management	4	24	3	27	49	34	83	0	0	0	73	37	110
Production of quality animal products													
Others, if any (Goat farming)	5	46	5	51	26	45	71	0	0	0	72	50	122
Fodder Production													
TOTAL	**35**	**395**	**45**	**440**	**255**	**210**	**465**	**0**	**0**	**0**	**650**	**255**	**905**

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
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	2	30	0	30	15	0	15	0	0	0	45	0	45
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**2**	**30**	**0**	**30**	**15**	**0**	**15**	**0**	**0**	**0**	**45**	**0**	**45**
VIII. Fisheries													
Integrated fish farming	1	7	0	7	21	0	21	0	0	0	28	0	28
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													

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
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL	**1**	**7**	**0**	**7**	**21**	**0**	**21**	**0**	**0**	**0**	**28**	**0**	**28**
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	10	0	10	3	2	5	0	0	0	13	2	15
Formation and Management of SHGs	2	27	1	28	6	0	6	0	0	0	33	1	34
Mobilization of social capital	1	20	0	20	0	0	0	0	0	0	20	0	20
Entrepreneurial development of farmers/youths	7	78	70	148	19	40	59	0	0	0	97	110	207
WTO and IPR issues													
Others, if any													
Bee Keeping	3	38	21	59	12	7	19	0	0	0	50	28	78
Capacity Building	1	16	0	16	2	0	2	0	0	0	18	0	18
Farm Mechanization	1	10	0	10	1	0	1	0	0	0	11	0	11
Information Networking	2	12	81	93	0	6	6	0	0	0	12	87	99
Mushroom Production	1	3	2	5	8	4	12	0	0	0	11	6	17
TOTAL	**19**	**214**	**175**	**389**	**51**	**59**	**110**	**0**	**0**	**0**	**265**	**234**	**499**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**117**	**1499**	**315**	**1814**	**712**	**373**	**1085**	**0**	**0**	**0**	**2211**	**688**	**2899**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production	1	19	0	19	13	0	13	0	0	0	32	0	32
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													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	26	0	26	3	1	4	0	0	0	29	1	30
Sheep and goat rearing	6	156	21	177	34	23	57	0	0	0	190	44	234
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	5	61	52	113	24	12	36	0	0	0	85	64	149
Others if any (ICT application in agriculture)													
TOTAL	**13**	**262**	**73**	**335**	**74**	**36**	**110**	**0**	**0**	**0**	**336**	**109**	**445**

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													
Integrated Nutrient management	1	19	0	19	9	0	9	0	0	0	28	0	28
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology	1	18	2	20	7	0	7	0	0	0	25	2	27
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	1	24	0	24	6	0	6	0	0	0	30	0	30
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													
Integrated Crop Management	1	19	4	23	8	1	9	0	0	0	27	5	32
Integrated Diesase Management	2	27	12	39	12	0	12	0	0	0	39	12	51
Integrated Weed Management	2	27	2	29	15	0	15	0	0	0	42	2	44
Natural Farming	1	21	4	25	3	2	5	0	0	0	24	6	30
TOTAL	**9**	**155**	**24**	**179**	**60**	**3**	**63**	**0**	**0**	**0**	**215**	**27**	**242**

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			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
Agronomy	PF	Organic farming of vegetable crops	1	OFF	25	0	25	11	0	11
Agronomy	PF	Organic farming of field crops	1	ON	17	2	19	6	1	7
Agronomy	PF	Natural farming of vegetables crops	1	OFF	23	0	23	6	0	6
Agronomy	PF	Package & practices of pulses	1	ON	42	4	46	16	1	17
Agronomy	PF	Package & practices of summer crops	1	ON	19	3	22	3	2	5
Agronomy	PF	Package & practices of summer crops	1	ON	20	0	20	8	0	8
Agronomy	PF	Scientific cultivation of moong	1	ON	13	8	21	7	6	13
Agronomy	PF	Natural farming of sugarcane	1	OFF	15	21	36	10	18	28
Agronomy	PF	Package & practices of pulses	1	ON	15	2	17	7	2	9
Agronomy	PF	Natural farming	1	OFF	15	21	36	9	3	12
Agronomy	PF	Package & practices of greengram	1	OFF	22	0	22	6	0	6
Agronomy	PF	Package & practices of green gram	1	ON	25	1	26	6	0	6
Agronomy	PF	Scientific cultivation of green gram	1	ON	10	0	10	0	0	0
Agronomy	PF	Fasal awshesh prabandhan	1	ON	43	19	62	13	5	18
Agronomy	PF	Natural farming	1	ON	14	0	14	6	0	6
Agronomy	PF	Direct seeding of rice	1	OFF	15	2	17	0	0	0
Agronomy	PF	Laser land levelling & DSR	1	OFF	27	0	27	2	0	2
Agronomy	PF	Integrated weed management in paddy	1	OFF	20	0	20	0	0	0
Agronomy	PF	Balanced use of fertilizer	1	ON	27	0	27	12	0	12
Agronomy	PF	Scientific cultivation of DSR	1	OFF	13	0	13	0	0	0
Agronomy	PF	Cultivation of kharif fodder crop	1	ON	41	1	42	5	0	5
Agronomy	PF	Package & practices of paddy	1	ON	22	0	22	4	0	4
Agronomy	PF	Weed management in DSR	1	OFF	20	0	20	9	0	9
Agronomy	PF	Direct seeding of rice	1	OFF	14	0	14	5	0	5
Agronomy	PF	Integrated nutrient management of paddy under Amrit Mahotsav	1	ON	27	0	27	12	0	12
Agronomy	PF	Scientific cultivation of paddy	1	OFF	21	8	29	3	3	6
Agronomy	PF	Weed management in paddy	1	OFF	21	5	26	5	2	7
Agronomy	PF	Benefits of line sowing in paddy	1	OFF	18	0	18	6	0	6
Agronomy	PF	Package & practices of pigeonpea	1	ON	17	1	18	6	0	6
Agronomy	PF	Package & practices of pigeonpea	1	ON	18	1	19	6	1	7
Agronomy	PF	Weed management in paddy	1	OFF	20	0	20	9	0	9
Agronomy	PF	Production technology of coarse grain	1	ON	20	3	23	5	1	6
Agronomy	PF	Integrated weed management in paddy	1	OFF	18	0	18	0	0	0
Agronomy	PF	Weed management in kharif crop	1	OFF	20	0	20	2	0	2
Agronomy	PF	Seed production technology	1	ON	21	2	23	8	0	8
Agronomy	PF	Eradication of parthenium	1	ON	12	8	20	4	2	6
Agronomy	PF	Contingent cropping	1	ON	47	5	52	21	1	22
Agronomy	PF	Weed management in paddy	1	ON	24	0	24	6	0	6
Agronomy	PF	Weed management in vegetables	1	OFF	31	0	31	14	0	14
Agronomy	PF	Pest management in paddy	1	OFF	18	0	18	7	0	7
Agronomy	PF	Package & practices of mustard	1	ON	26	0	26	12	0	12
Agronomy	PF	Cultivation technique of wheat	1	ON	25	0	25	9	0	9
Agronomy	PF	Pest management in paddy	1	OFF	27	0	27	8	0	8
Agronomy	PF	Cultivation technique of mustard	1	OFF	19	0	19	5	0	5
Agronomy	PF	Package & practices of chickpea	1	ON	12	15	27	4	12	16
Agronomy	PF	Package & practices of lentil	1	ON	24	4	28	8	4	12
Agronomy	PF	Package & practices of chickpea	1	ON	8	14	22	2	12	14
Agronomy	PF	Package & practices of wheat	1	ON	13	6	19	9	6	15

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy	RY	Seed production	4	ON	32	0	32	13	0	13
Agronomy	EF	Weed management of kharif crops	1	ON	24	2	26	8	0	8
Agronomy	EF	Disease management in kharif crops	1	ON	27	1	28	12	0	12
Agronomy	EF	Disease management of kharif crops	1	ON	12	11	23	0	0	0
Agronomy	EF	Protected cultivation of vegetables	1	OFF	25	2	27	7	0	7
Agronomy	EF	ZT cultivation of wheat	1	OFF	27	5	32	8	1	9
Agronomy	EF	Integrated nutrient management	1	ON	28	0	28	9	0	9
Agronomy	EF	Weed management in rabi crops	1	OFF	18	0	18	7	0	7
Extension Education										
Ext. Edn.	PF	Natural farming, demand of future	1	ON	22	0	22	4	0	4
Ext. Edn.	PF	Production technology of oyster mushroom	1	ON	23	7	30	5	2	7
Ext. Edn.	PF	Organic farming is the need of the time	1	OFF	7	6	13	1	2	3
Ext. Edn.	PF	Role and importance of SHGs in enhancing socio-economic condition	1	OFF	18	0	18	2	0	2
Ext. Edn.	PF	Use of ICT in agriculture for increasing yield	1	ON	12	3	15	0	0	0
Ext. Edn.	PF	Improving socio-economic condition through SHGs	1	ON	15	1	16	4	0	4
Ext. Edn.	PF	Training-cum-Gosthi on income generation by means of mushroom production	1	ON	18	39	57	7	16	23
Ext. Edn.	PF	Use and importance of laser land levelling	1	ON	43	19	62	13	5	18
Ext. Edn.	PF	Low cost cultivation of paddy using low cost method	1	OFF	15	2	17	0	0	0
Ext. Edn.	PF	Awareness of farm mechanization & custom hiring	1	ON	11	0	11	1	0	1
Ext. Edn.	PF	Utility and need of farmer interest group	1	ON	13	2	15	3	2	5
Ext. Edn.	PF	Levelling of land is the need of hour	1	OFF	27	0	27	2	0	2
Ext. Edn.	PF	Laser land levelling & DSR	1	OFF	28	0	28	3	0	3
Ext. Edn.	PF	Enhancing income through vermin composting	1	OFF	3	12	15	0	4	4
Ext. Edn.	PF	Kharif fasalon ki unnat kheti	1	OFF	18	0	18	2	0	2
Ext. Edn.	PF	Kharif fasalon ki unnat kheti	1	OFF	4	10	14	3	8	11
Ext. Edn.	PF	Importance of DSR	1	OFF	20	0	20	0	0	0
Ext. Edn.	PF	Creating awareness towards best utilization of social resources among farmers	1	OFF	20	0	20	0	0	0
Ext. Edn.	PF	Capacity building among farmers for seed production	1	OFF	18	0	18	2	0	2
Ext. Edn.	PF	Self employment through beekeeping	1	ON	21	11	32	4	3	7
Ext. Edn.	PF	Natural farming	1	ON	15	0	15	3	0	3
Ext. Edn.	PF	Awareness among farmers for daily updates of market	1	OFF	0	84	84	0	6	6
Ext. Edn.	PF	Income generation through mushroom cultivation	1	OFF	31	0	31	2	0	2
Ext. Edn.	PF	Income generation through mushroom cultivation	1	OFF	1	17	18	0	5	5
Ext. Edn.	PF	Bee keeping by scientific method	1	ON	18	7	25	4	2	6
Ext. Edn.	PF	Package & practices of mustard	1	ON	30	3	33	7	1	8
Ext. Edn.	PF	Enhancing income by means of value-added products of mushroom	1	OFF	24	0	24	5	0	5
Ext. Edn.	PF	Income generation through mushroom production	1	OFF	0	24	24	0	8	8
Ext. Edn.	PF	Production technology of mustard	1	ON	24	1	25	7	0	7
Ext. Edn.	PF	Income through bee keeping and its products	1	ON	11	10	21	4	2	6
Ext. Edn.	PF	Income generation through mushroom production	1	OFF	0	23	23	0	9	9
Ext. Edn.	PF	Button mushroom production technology	1	ON	11	6	17	8	4	12
Ext. Edn.	PF	Awareness on use & importance of Soil Health Card	1	ON	15	6	21	11	5	16

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Ext. Edn.	RY	Mushroom production technology	6	ON	24	6	30	4	1	5
Ext. Edn.	RY	Beekeeping and its by-products as the means of self employment	3	ON	22	3	25	12	2	14
Ext. Edn.	RY	Beekeeping & its by products as the means of self employment	6	ON	20	10	30	6	4	10
Ext. Edn.	RY	Income generation through mushroom production	4	ON	16	9	25	1	0	1
Ext. Edn.	RY	Doubling income by means of scientific production of mushroom	4	ON	3	36	39	1	5	6
Ext. Edn.	EF	Natural farming is the need of time	1	ON	24	6	30	3	2	5
Animal Science										
Ani. Sci.	PF	Management of cattle in winter	1	ON	20	1	21	2	0	2
Ani. Sci.	PF	Management of cattle in FMD	1	ON	23	1	24	2	1	3
Ani. Sci.	PF	Infertility management in dairy animal	1	ON	3	24	27	2	18	20
Ani. Sci.	PF	Small scale goat farming	1	ON	5	20	25	4	17	21
Ani. Sci.	PF	Vaccination in dairy animal	1	OFF	0	26	26	0	19	19
Ani. Sci.	PF	Management of cattle in summer season	1	ON	19	1	20	15	1	16
Ani. Sci.	PF	Backyard poultry farming	1	ON	19	7	26	6	2	8
Ani. Sci.	PF	Small scale goat farming	1	ON	19	0	19	7	0	7
Ani. Sci.	PF	Management of infertility in dairy animals	1	OFF	31	3	34	4	0	4
Ani. Sci.	PF	Efficient use of water in dairy farm	1	OFF	47	8	55	12	3	15
Ani. Sci.	PF	Backyard poultry farming	1	ON	22	5	27	19	5	24
Ani. Sci.	PF	Feed management in goat	1	ON	32	0	32	6	0	6
Ani. Sci.	PF	Fodder production in kharif season	1	OFF	15	1	16	4	0	4
Ani. Sci.	PF	Commercial broiler farming	1	OFF	17	1	18	3	1	4
Ani. Sci.	PF	Management of HS & BQ in dairy animals	1	ON	26	7	33	26	7	33
Ani. Sci.	PF	Backyard poultry farming	1	ON	3	12	15	2	12	14
Ani. Sci.	PF	Treatment & management of disease in goat	1	ON	43	1	44	4	0	4
Ani. Sci.	PF	Clean milk production	1	ON	29	1	30	5	0	5
Ani. Sci.	PF	Method of calculation of balanced ration in dairy animals	1	OFF	12	22	34	12	22	34
Ani. Sci.	PF	Management of infertility in dairy animals	1	OFF	26	0	26	0	0	0
Ani. Sci.	PF	Commercial broiler farming	1	ON	19	1	20	5	0	5
Ani. Sci.	PF	Fresh water fish farming	1	ON	28	0	28	21	0	21
Ani. Sci.	PF	Method of calculation of balance ration in dairy animals	1	OFF	18	4	22	2	3	5
Ani. Sci.	PF	Clean milk production	1	OFF	29	0	29	3	0	3
Ani. Sci.	PF	Fodder production round the year	1	ON	28	2	30	28	2	30
Ani. Sci.	PF	Vaccination in dairy animals & poultry	1	ON	12	14	26	12	14	26
Ani. Sci.	PF	Small scale goat farming	1	ON	16	4	20	9	4	13
Ani. Sci.	PF	Disease management in goat	1	OFF	25	0	25	7	0	7
Ani. Sci.	PF	Treatment of straw with urea	1	ON	20	10	30	17	8	25
Ani. Sci.	PF	Management of FMD in cattle	1	ON	18	2	20	3	1	4
Ani. Sci.	PF	Management of cattle in winter season	1	ON	17	5	22	14	4	18
Ani. Sci.	PF	Feed management in dairy animals	1	OFF	23	1	24	18	1	19
Ani. Sci.	PF	Backyard poultry farming	1	OFF	20	6	26	20	6	26
Ani. Sci.	PF	Backyard poultry farming	1	ON	15	14	29	11	10	21
Ani. Sci.	PF	Management of animals in winter season	1	ON	16	1	17	2	0	2
Ani. Sci.	PF	Management of infertility in dairy animals	1	ON	0	27	27	0	27	27
Ani. Sci.	PF	Small scale goat farming	1	OFF	0	26	26	0	24	24
Ani. Sci.	PF	Backyard poultry farming	1	ON	6	0	6	1	0	1
Ani. Sci.	RY	Goat management	3	ON	36	4	40	11	3	14
Ani. Sci.	RY	Goat farming	4	ON	22	18	40	7	14	21
Ani. Sci.	RY	Goat farming	3	ON	36	4	40	4	1	5

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Ani. Sci.	RY	Goat farming	3	ON	27	13	40	5	3	8
Ani. Sci.	RY	Goat farming	4	ON	40	1	41	5	0	5
Ani. Sci.	RY	Goat management	6	ON	29	4	33	2	2	4
Ani. Sci.	RY	Dairy management	4	ON	29	1	30	3	1	4
Ani. Sci.	EF	Management of dairy animal	1	OFF	30	0	30	6	0	6

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Wheat	Seed production	Seed production	4	32	0	32				
Mushroom	Mushroom	Mushroom production technology	6	24	6	30				
Honey	Honey	Beekeeping and its by-products as the means of self employment	3	22	3	25				
Honey	Honey	Beekeeping & its by products as the means of self employment	6	20	10	30				
Mushroom	Mushroom	Income generation through mushroom production	4	16	9	25				
Mushroom	Mushroom	Doubling income by means of scientific production of mushroom	4	3	36	39				
Livestock	Goat farming	Goatry management	3	36	4	40				
Livestock	Goat farming	Goat farming	4	22	18	40				
Livestock	Goat farming	Goat farming	3	36	4	40				
Livestock	Goat farming	Goat farming	3	27	13	40				
Livestock	Goat farming	Goat farming	4	40	1	41				
Livestock	Goat farming	Goat management	6	29	4	33				
Livestock	Dairy	Dairy management	5	29	1	30				

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

I) Sponsored Training Programmes

Area of training	No. of Courses	No. of Participants								
		General			SC/ST			Grand Total		
		Male	Female	Total	Male	Female	Total	Male	Female	Total
Crop production and management										
Increasing production and productivity of crops	32	1510	203	1713	628	120	748	2138	323	2461
Commercial production of vegetables										
Production and value addition										
Fruit Plants										
Ornamental plants										
Spices crops										
Soil health and fertility management	2	64	14	78	26	2	28	90	16	106
Production of Inputs at site										
Methods of protective cultivation										
Other										
Total	**34**	**1574**	**217**	**1791**	**654**	**122**	**776**	**2228**	**339**	**2567**
Post harvest technology and value addition										
Processing and value addition										
Other										
Total										
Farm machinery										
Farm machinery, tools and implements										
Other										
Total										
Livestock and fisheries										
Livestock production and management	2	136	17	153	39	11	50	175	28	203
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management	1	0	0	0	27	0	27	27	0	27
Other										
Total	**3**	**136**	**17**	**153**	**66**	**11**	**77**	**202**	**28**	**230**
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Other										
Total										
Agricultural Extension										
Capacity Building and Group Dynamics	1	9	0	9	14	0	14	23	0	23
Other	10	424	88	512	244	51	295	668	139	807
Total	11	433	88	521	258	51	309	691	139	830
Grant Total	**48**	**2143**	**322**	**2465**	**978**	**184**	**1162**	**3121**	**506**	**3627**

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Kisan Mela organized	2	284	56	340	13	9	3	12	293	59	352
Kisan Mela participated	2	79	3	82	24	6	0	6	85	3	88
Field Day	10	803	121	924	31	26	12	38	829	133	962
Kisan Ghosthi	12	416	232	648	11	17	7	24	433	239	672
Exhibition organized	1	153	97	250	17	36	21	57	189	118	307
Participation in exhibition	4	176	6	182	0	0	0	0	176	6	182
Film Show	0	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	6			0	0			0	0	0	0
Farmers Seminar	0			0	0			0	0	0	0
Workshop	0			0	0			0	0	0	0
Group discussion	0			0	0			0	0	0	0
Lectures delivered as resource persons	48	2854	474	3328	8	267	32	299	3121	506	3627
Advisory Services	7887	6903	727	7630	21	236	21	257	7139	748	7887
Scientific visit to farmers field	300	512	74	586	19	26	5	31	538	79	617
Farmers visit to KVK	3761	3077	449	3526	28	137	89	226	3214	538	3752
Diagnostic visits	23	362	94	456	6	5	1	6	367	95	462
Exposure visits	2	85	15	100	0	0	0	0	85	15	100
Ex-trainees Sammelan	2	32	8	40	12	0	0	0	32	8	40
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	1	26	4	30	26	0	0	0	26	4	30
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	1	26	8	34	6	2	1	3	28	9	37
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Special day celebration	17	356	261	617	14	13	11	24	369	272	641
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	8	37	14	51	18	0	0	0	37	14	51
Celebration of important date	11	987	539	1526	23	87	15	102	1074	554	1628
Others	9	403	86	489	16	6	2	8	409	88	497
Total	**12107**	**17558**	**3257**	**20815**		**873**	**220**	**1093**	**18431**	**3477**	**21908**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	76
Radio talks	0
TV talks	3
Popular articles	25
Extension Literature	1
Electronic media	3
Animal health camp	0
Any other	0

C. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	19	3	22	0	0	0	0	19	3	22
International Women's Day (8th Mar.)	1	0	79	79	2	0	3	3	0	82	82
Ambedkar Jayanti (14th Apr.)	1	66	24	90	3	6	2	8	72	26	98
International Yoga Day (21st Jun.)	1	27	1	28	1	0	0	0	27	1	28
Independence Day (15th Aug.)	1	23	4	27	1	0	0	0	23	4	27
Parthenium Awareness Week	1	12	8	20	1	0	0	0	12	8	20
Hindi Diwas (14th Sep.)	1	33	6	39	3	0	0	0	33	6	39
Gandhi Jayanti (2nd Oct.)	1	14	3	17	0	0	0	0	14	3	17
Mahila Kisan Diwas (15th Oct.)	1	4	57	61	5	0	3	3	4	60	64
World Food Day (16th Oct.)	1	26	6	32	3	0	0	0	26	6	32
Vigilance Awareness Week	1	12	4	16	2	0	0	0	12	4	16
National Unity Day (31st Oct.)	1	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	1	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	1	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	1	14	2	16	0	0	0	0	14	2	16
World Soil Day (5th Dec.)	1	56	19	75	0	3	2	5	59	21	80
Kisan Diwas (23rd Dec.)	1	37	34	71	0	4	1	5	41	35	76
World Pulse Day (10th February)	1	37	12	51	0	2	0	2	39	12	51

D. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1.	01.01.2022	10th Kisan Samman Nidhi Yojna	Interaction of Hon'ble PM	50	7	0	57
2.	26.04.2022	Kisan Bhagidari Prathmikta Hamari 2022	Interaction of Hon'ble PM	278	6	23	307
3.	16.07.2022	94th ICAR Foundation Day	Live telecast programme of Hon'ble AM	98	11	0	109
4.	17.09.2022	Poshan Abhiyan & Plantation in KVK	Live telecast programme of Hon'ble AM	106	8	7	121
5.	17.10.2022	Pradhan Mantri Kisan Samman Nidhi	Interaction of Hon'ble PM	532	5	3	540
6.	23.12.2022	Celebration of KISAN DIWAS, 2022 on December 23, 2012 at 4:00 p.m. under the Chairmanship of Shri Narendra Tomar, Hon'ble Minister of Agriculture & Farmers Welfare	Live telecast programme of Hon'ble AM	67	6	3	76

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Paddy	R. Sweta	173.5	757750	22	0	298	320
	S. Ardhjal	10.1	40400	1	0	7	8
Chickpea	GNG – 2299	3.3	31950				SCSP
Wheat	S. Shrestha	16.54	74430				SCSP & CRAP
	DBW – 187	27.6	124200				CRAP
Grand Total		**231.04**	**1028730**	23	0	305	328

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Hybrid	550	330	6	0	0	6
Brinjal	PUSA Purple Round	650	330	8	0	0	8
Chilli	-	1900	1140	12	0	0	12
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Production of livestock 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	Black Bengal	12	0	0			
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

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

i) Name of Seed Hub Centre: **NA**

Name of Nodal Officer :	
Address :	
e-mail :	
Phone No. : Mobile :	

ii) Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021						
Rabi 2021						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019				
2020				
2021				
2022				

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6. (A) Literature Developed/ Published (with full title, author & reference)

Item	Title	Author's name	ISBN No./ISSN Copy	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles				
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL				

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) 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	Organized by
1.					
2.					
3.					
4.					

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

Success story – 1

Mritunjay kumar

Name of farmer	Mritunjay kumar
Address	Rasalpur, Manpur Gaya
Contact details (Phone, mobile, email Id)	**9472910031**
Landholding (in ha.)	2.5
Name and description of the farm/ enterprise	Mritunjay kumar started as a normal farmer he decided to continue his career in farming in an innovative way. He contacted scientists of Krishi Vigyan Kendra, Manpur, Gaya and discussed about the modern farming systems adopting which he can become an agriculture entrepreneur. Scientists advised him to start layer, dairy and mushroom farming on his own farm land which he gets in his ancestry. He started layer farm in 2018 in guidance of KVK scientist now he has a farm of 7000 layer poultry. This layer farm can generate whole year earning of money up to 9 lakhs in a year. After, completion of training and exposure visit, KVK scientist encouraged him to do dairy and mushroom and started with 200 bags in 2021 how he has 1000 bags and 4 cows also. He started line sowing paddy in 0.5 ha, zero tillage wheat 1 ha, vegetable 0.25 ha. He has also one rice processing mill.
Economic impact	1. Layer Farm – 9 lakhs 2. Agriculture – 1.3 lakhs 3. Vegetables- 0.5 lakh 4. Dairy- 1.0 Lakh 5. Mushroom - .5 lakh 6. Rice mill – 2 lakh
Social impact	Singh is an inspiration to the local farmers and about 700 farmers get benefitted directly or indirectly by his farm enterprise.
Environmental impact	Use poultry waste in agriculture
Horizontal/ Vertical spread	Looking after the success of Mr. Mritunjay, other villagers also started dairy farming and mushroom farmers from other parts of the district visited his layer farm and takes technical advice abot layer farm

POULTRY FARM

POTATO CULTIVATION

PIGEON PEA CULTIVATION

MUSHROOM PRODUCTION

RICE MILL

MILK PRODUCTION

Success story – 2

Bharti Kumari

Name of farmer	Mrs. Bharti Kumari
Address	Vill- Bagdaha, Block- Bodhgaya, District- Gaya (Bihar)
Contact details (Phone, mobile, email ID)	9102856831
Land holding (in ha)	4.0
Name and description of the farm/ enterprise	Mrs. Bharti is post graduate in English, still engaged in farming on own parental farmland. Previously, practicing traditional farming. But in the year 2012, one day she approached to Krishi Vigyan Kendra, Manpur, Gaya under Bihar Agricultural University, Sabour (Bhagalpur) to know the latest scientific technologies, which is demand of the time and situation prevailing. Under the guidance, technical support in the form of need based trainings and demonstrations from KVK, she inspired and started diversified farming by integrating all components like dairy, papaya cultivation, cereal crops and vermicomposting in order to increase her income.
Economic impact	Previously she engaged herself in cultivating traditional crops like paddy, wheat , oilseeds with local varieties produced at her own farm, and hence, merely earning Rs.80000/- annually . But after getting exposure and proper technical guidance from Krishi Vigyan Kendra, Manpur, Gaya, she is cultivating paddy in 82.5 ha, wheat in 2ha, papaya in 0.4ha, lentil in 1ha and Green Gram in 1 ha, rearing 12cows, producing vermin-compost and, from all these, earning Rs.1040500/- annually.
Social impact	Due to low income, earlier she used to live hand and mouth. Hence, not able meet even all basic needs of the family. But now she is able to meet all requirement of her family and became role model of the society, hence, her social status increased considerably.
Environmental impact	Now she is doing organic farming using vermicompost produced by her for own consumption as well as for sale. In this way the agricultural practices she has adopted is pollution free and not hazardous to the environment
Horizontal/ Vertical spread	She is motivating neighbour farmers also to adopt environmental friendly scientific package of practices and diversified in order to increase area, and hence, ultimately income.

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

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

3.10. 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

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

Sl. No	Name of the Equipment	Qty.
1.	Mini-kit	02

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
0	0	0

3.11.c Detail of Soil, Water and Plant analysis at KVK

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

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Celebration of World Soil Day on 5th Dec. 2022	80	-	-	-	80

3.12. Activities of Rain Water Harvesting structure and micro irrigation system

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

3.13. Technology week celebration

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

3.14. RAWE/ FET programme - is KVK involved? (Y/N) **Y**

No of student trained	No of days stayed
12	

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
April		

4. IMPACT

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

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

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

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 innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. 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	

4.6. 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 Officer, Gaya	Training to farmers & Extension functionaries
2. Agricultural Technology Management Agency (ATMA), Gaya	Training, Field day, Kisan Mela
3. District Horticulture Office, Gaya	Training
4. Bihar State Forest Development Corporation, Gaya	Training
5. Sugarcane Development Department, Gaya/Patna	Training / Exhibition / Seminar
6. District Soil Conservation Department, Gaya	Training
7. National Fertilizer Limited, Gaya	Seminar, Field day, Training
8. Indian Farmers Fertilizer Co. (IFFCO) Gaya	Field day, Seminar, Training
9. CWC, Patna	Training
10. Micro-Mode Management Project Govt. of Bihar, (RAU, Pusa)	Field Demonstration
11. National Horticulture Mission Govt. of Bihar (RAU, Pusa)	Model Horticultural Nursery
12. Agricutural Research Institute Patna	Nursery Development of Medicinal & Aromatic Plants
13. PRAN Gaya	Training, field day
14. ICAR- Research complex for eastern region, Patna	Demonstration on LEWA irrigation system
15. Paradeep Phosphates Limited, Gaya	Field day
16. Bihar Agriculture Management & Extension Training Institute, Patna	Participation in meeting, Conducting Training Programme, joint implementation etc.
17. NABARD	Training, Workshop, Kisan Club
18.. Jeevika, Gaya	Training, OFT, Field visit
19. Agragami India, Gaya	Training, FLD, OFT

5.2. List of special programme undertaken during 2021 by the KVK, which have been financed by 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 OF INFRASTRUCTURE IN KVK

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.	Goatry	2015	39	Black Bengal	Kids	12			
2.	Vermi-compost unit	2019	5.6						
3.	Azolla unit	2019	9.3						
4.	Biochar unit	2021	125		Biochar	20 q	80000		
	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	02/12/2021	18/04/2022	1.29	DBW – 187	C/S	30.52	43860		
Wheat	08/12/2021	18/04/2022	0.85	S. Shrestha	C/S	20.54	29750		
Paddy	10/06/2022	09/11/2022	2.45	R. Sweta	C/S	92.62	85750		
Paddy	10/06/2022	09/11/2022	0.56	S. Sampann	C/S	19.55	19600		
Ragi	28/07/2022	11/11/2022	0.13	RAU – 8	T/L	2.6	3900		
Wheat	29/11/2022		2.35	DBW – 187	F/S				Crop standing
Wheat	30/11/2022		0.28	HD-2967	C/S				Crop standing
Lentil	01/12/2022		0.29	IPL-316	T/L				Crop standing
Chickpea	28/11/2022		1.0	S. Chana - 1	F/S				Crop standing

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.	Azola unit				
2.	Vermi-compost unit				

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.	Goatry	Black Bengal	Kid				

6.5. 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)

6.6. Utilization of staff quarters **NA**

Whether staff quarters have been completed:

No. of staff quarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving (Main A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225627
Saving (R/F A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225636

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st January 2023
	Kharif	Rabi	Kharif	Rabi	
Mustard		120000.00		96924.00	23076.00

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st January 2023
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	180000.00		140569.00		39431.00
Chick pea		180000.00		162000.00	18000.00
Green gram		180000.00		Not started	180000.00
Lentil		180000.00		154371.00	25629.00

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,24,41,852.00	1,24,41,852.00	1,09,17,370.00
2	Traveling allowances	1,00,000.00	1,00,000.00	98,308.00
	HRD	15,000.00	15,000.00	10,000.00
3	Contingencies			
A	Stationary	2,25,000.00	2,25,000.00	2,24,500.00
B	POL			
C	Training	4,25,000.00	4,25,000.00	3,94,779.00
D	Training material			
E	FLD			
F	OFT			
G	Soil & water testing lab			
H	Maintenance of building			
I	Extension activities, kisan mela			
J	SCSP General	1,25,000.00	1,00,000.00	1,18,790.00
TOTAL (A)		**1,33,31,852.00**	**1,33,06,852.00**	**1,06,17,295.00**
B. Non-Recurring Contingencies				
1	SCSP Capital	2,00,000.00	1,30,000.00	1,16,850.00
TOTAL (B)		**2,00,000.00**	**1,30,000.00**	**1,16,850.00**
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		**1,35,31,852.00**	**1,34,36,852.00**	**1,07,34,145.00**

S.N.	Particulars	Sanctioned	Released	Expenditure
1.	Swachhata Action Plan	**1,00,000.00**	**1,00,000.00**	**65,318.00**

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019	20,27,199.85	7,55,054.00	6,60,958.00	21,21,295.85
2020	21,21,295.85	9,47,573.00	7,77,480.00	22,91,388.85
2021	22,91,388.85	13,68,168.00	6,93,863.00	29,65,686.85
2022	29,65,686.85	16,46,003.00	7,10,387.00	39,01,302.85

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**
Kharif Maha Abhiyan	16	Kharif	ATMA	Yes	
Rabi Maha Abhiyaan	17	Rabi	ATMA	Yes	

8. Other information

8.1. Prevalent diseases in Crops

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)
False smut	Paddy	15 Oct 22	25550	23.34	Application of Copper oxychloride @ 2 g/l water followed by Propiconazole @ 1 ml/lit water
BPH	Paddy	25 Sep 22	22150	18.36	Application of Buprofezin @ 2 ml/lit water

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. ***mKisan*** Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop	7	66919
Livestock	5	42375
Fishery		
Weather		
Marketing		
Awareness	2	16788
Training information		
Other	2	16952
Total	16	76115

9.4. *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	

9.5 Kisan Mobile Advisory Services (KMAS)

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

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

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

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	4	0
2. Basic maintenance	1	8500
3. Sanitation and SBM	2	4000
4. Cleaning and beautification of surrounding areas	3	20500
5. Vermicomposting/Composting of biodegradable waste management & other activities on generate of wealth for waste	2	14000
6. Used water for agriculture/ horticulture application	0	0
7. Swachhta Awareness at local level	2	5000
8. Swachhta Workshops	0	0
9. Swachhta Pledge	1	0
10. Display and Banner	6	4000
11. Foster healthy competition	0	0
12. Involvement of print and electronic media	4	0
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	3	0
14. No. of Staff members involved in the activities	12	0
15. No of VIP/VVIPs involved in the activities	0	0
16. Any other specific activity (in details)	3	44000
Total	**43**	**100000**

9.7. Observation of National Science Day

Date of Observation	Activities undertaken

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
Entrepreneurship development in mushroom production & its value addition	07/11/2022 to 11/11/2022	23

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

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

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

9.11. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	15 Oct 2022	3	72	0	0

9.13. No. of Progressive/ Innovative/ Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.14. Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.			
2.			
3.			

9.15. Resource Generation:

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

9.16. Performance of Automatic Weather Station in KVK

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

9.17. 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

10. Report on Cereal Systems Initiative for South Asia (CSISA) **NA**

a) Year:
b) Introduction / General Information:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Others (If any)						

11. Details of TSP **NA**

a. Achievements of physical output under TSP during 2021

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
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 2022-23 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2022

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 2022

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

12. Details of SCSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	7	182
b.	Women	5	131
c.	Rural Youths	-	-
d.	Extension Personnel	-	-
2)	OFT	No. of OFTs	No. of beneficiaries
		1	7
3)	FLD	No. of FLDs	No. of beneficiaries
		7	297
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		468	468
5)	Other activities		
a.	Participants in extension activities (No.)	6	
b.	Production of seed (q)	-	
c.	Production of Planting material (No. in lakh)	0.031	
d.	Production of Livestock strains (No. in lakh)	-	
e.	Production of fingerlings (No. in lakh)	-	
f.	Testing of Soil, water, plant, manures samples (Nos.)	-	

13. Progress report of NICRA KVK (Technology Demonstration component) during the period
(Applicable for KVKs identified under NICRA) **NA**

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	

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	

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	

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	

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

14. a) Awards/Recognition received by the KVK in year 2022

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

b) Award received by Farmers in year 2022

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority

15. Any significant achievement of the KVK with facts and figures as well as quality photograph

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

17. 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
1.	Dairy- goatry	1.0	Work in progress				

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.								

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

19. 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					

20. 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)
26.04.2022	Sri Vijay Manjhi	MP	• To adopt natural farming instead of use of fertilizers • Use of new technology and use of modern agriculture machineries

21. a) Information on **ASCI** Skill Development Training Programme, undertaken during 2022

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2022							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2022

Thematic area of training	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	

22. Information of NARI Project (if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

Progress Information of NARI Project

a. 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					

b. Details of Bio-fortified crops 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

c. 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

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

e. Extension activities under NARI Project

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

23. Activities under KSHAMTA

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

24. Information on Krishi Kalyan Abhiyan Phase- I/ Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I/II

A. Training

Name of programme	***No. of programmes***	***No. of farmers benefitted***									***No. of officials attended the programme***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	***T***	
KKA-I											
KKA-II											

B. Distribution of seed/ planting materials/ input/ others

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefited									No. of other officials (except KVK) attended the programme
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals/ birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
KKA-I															
KKA-II															

D. Other activities

Name of programme	Activities	No. of farmers benefited									No. of other officials (except KVK) attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted									Any other, if any (pl. specify)
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	

25. ARYA

KVK	No. of entrepreneurial units established	No. of Training programs organized	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	Female

26. Any other programme organized by KVK, not covered above

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

27. Good quality action photographs of overall achievements of KVK during the year 2022

29 SSB Sponsored Training Program

Bhumi Samtalikaran Program

SAC Meeting

12th PM Kisan Samman Nidhi Program

RY Training

Kisan Mela

Poshan Abhiyaan

Scientist Farmer Interaction

Auditorium

Auditorium (Inner View)

Auditorium

Pump House

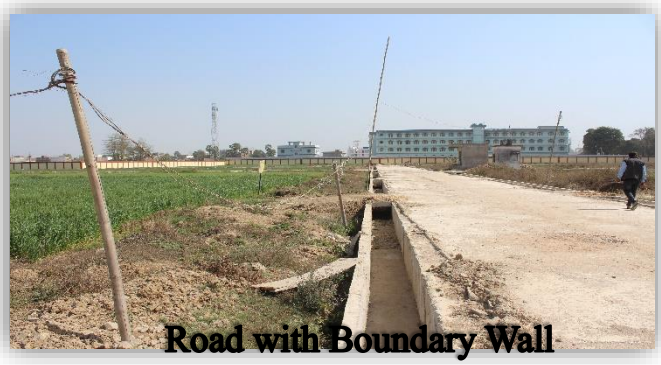
Road

Godown

SMS Quarter

Implement Shed

Road



Road with Boundary Wall


KRISHI VIGYAN KENDRA, MANPUR, GAYA


कृषि विज्ञान केन्द्र, मानपुर, गया
जलवायु अनुकूल कृषि कार्यक्रम


कृषि विज्ञान केन्द्र, मानपुर, गया
प्राकृतिक खेती
कृषि क्षेत्रीय अनुसंधान संस्थान, जोन- IV, पटना