Annual Progress Report

(January 2023 - December 2023)

Krishi Vigyan Kendra, Manpur, Gaya

भाकृअनुप
ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur



ICAR-ATARI, PATNA (ZONE-IV)

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

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, 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
Er. Manoj Kumar Roy		+91 91223 86485	kvkmanpurgaya@gmail.com

1.4. Year of sanction of KVK with council order No. and date: **F. No. 18-13/94-AE-I Date: 24.03.2006**

1.5. Year of start of KVK: **2006**

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

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/Others)
1.	Senior Scientist& Head	Er. Manoj Kumar Roy	Senior Scientist & Head	Agronomy	1,47,900/- (L-13 A)	05-05-2023	Permanent	OBC
2.	Subject Matter Specialist	Dr. Ashok Kumar	SMS	Extension Education	1,01,100/- (L-10 A)	08-01-2008	Permanent	OBC
3.	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Animal Science	75,400/- (L-10)	20-04-2012	Permanent	SC
4.	Subject Matter Specialist	Dr. Farana Khatoon	SMS	Horticulture	56,100/- (L-10)		Permanent	EWS
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.)	49,000/- (L-06)	02-11-2012	Permanent	OBC
9.	Computer Programmer	Dr. Ved Prakash	Prog. Asstt. (Computer)	MCA, Ph.D.	47,600/- (L-06)	20-05-2013	Permanent	OBC
10.	Farm Manager	Sri Mukesh Kumar	Farm Manager	M.Sc. (Ag) (Ext.Edu.)	49,000/- (L-06)	30-10-2012	Permanent	OBC
11.	Accountant / Superintendent	Sri Prem Kumar Thakur	Assistant	MBA in Finance	47,600/- (L-06)	13-04-2013	Permanent	OBC
12.	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	34,300/- (L-04)	04-07-2013	Permanent	OBC
13.	Driver	Sri Rohit Kumar	Driver	Matric	28,400/- (L-03)	22-05-2015	Permanent	OBC
14.	Driver	Sri Akhilesh Kumar Singh	Driver	Matric	26,800/- (L-03)		Permanent	Others
15.	Supporting staff						Vacant	
16.	Supporting staff						Vacant	

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.5	Office, Training Hall, Kisan Ghar, Staff Quarters, Godown, Implement Shed
2.	Under Demonstration Units	0.5	Vermicompost unit, Azola unit, Goatry unit, Dairy unit
3.	Under Crops	4.5	Seed production unit, Long term experiment plot
4.	Orchard	1.7	Mother plant Nursery, Mali shed, Nutri Garden
5.	Agro-forestry	0.0	-
6.	Others with details	1.8	Low land and water-logged area, Drain, Road
	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)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Completed		In use	ICAR
2.	Farmers Hostel					Completed		In use	ICAR
3.	Staff Quarters (6)					Completed		Not handed over	Bihar Govt.
4.	Piggery unit								
5	Fencing							In use	
6	Rain Water harvesting structure								
7	Threshing floor					Completed		In use	
8	Farm godown					Completed		In use	RKVY
9.	Dairy unit								
10.	Poultry unit								
11.	Goatry unit					Completed		In use	ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others, Please Specify								
17.	Godown					Completed	7866	Not handed over	Bihar Govt.
18.	Mali shade					Completed		In use	NHM
19.	Generator Room					Completed		In use	RKVY
20.	Sale Counter					Completed		In use	
21.	Training Hall					Completed	1025.65	Not handed over	Bihar Govt.
22.	Implement Shed					Completed	222.23	Not handed over	Bihar Govt.
23.	Road 6m wide					Completed	745m	Not handed over	Bihar Govt.
24.	Road 3m wide					Completed	910m	Not handed over	Bihar Govt.
25.	Boundary wall						7382m		
26.	Utility duct						2409m		

* 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
Tractor DIJ MF1035	2006	386544.00	1049.3	Working
Tractor 65 HP ACE			623.2	Working
Bolero	2020	800000.00	88632	Working
Motor cycle (02 Nos.) 1. BR 02AA6793 2. BR 02AA6794	2016	120000.00	16188 20460	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	
Inverter	2010		Satisfactory	
Index card reader	2010		Satisfactory	
Honey box & Accessories	2011		Satisfactory	
Punch sealer Machine	2011		Satisfactory	
Generator	2011		Satisfactory	
Book self	2011		Satisfactory	
Inverter	2012		Satisfactory	
Exide Battery (2)	2012	37500	Satisfactory	
Godrej almirah 1, Table 4, Chair 10, Revolving 1, Rack 1	2013	98092	Satisfactory	
Godrej almirah 9	2014		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	
Split AC Voltas 5Star with stabilizer (1)	2016	43000	Satisfactory	
Stabilizer 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	
Water Cooler (Voltas 40/80) (1)	2016	59,500	Satisfactory	BAU, Sabour
Euro Aqua water purifier (1)	2016		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
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
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
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				
Computer with accessories	2007		Satisfactory	
LCD Projector	2011		Satisfactory	
Computer with accessories	2012	49145	Satisfactory	
Photocopier Machine	2014	75000	Satisfactory	
Biometric based attendance machine	2014	24750	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	
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 + Wi-Fi 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
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
Garmin Etrex 20 Handheld GPS (1)	2017	14,451	Satisfactory	KVK, Gaya
HP Printer Laserjet M1005 MFP (1)	2017	14,700	Satisfactory	KVK, Gaya
HP Scanner 200 Flatbed (1)	2017	4,200	Satisfactory	KVK, Gaya
JIO Router Wifi (1)	2017	2,100	Satisfactory	KVK, Gaya
Mantra NFS 100 Bio-metric Fingerprint USB (1)	2017	5000	Satisfactory	KVK, Gaya
Hitachi AC Split Model RSB318 IBEA	2018	90,000	Satisfactory	KVK, Gaya
V. Guard Stablizer Model VWE-400	2018	8,000	Satisfactory	KVK, Gaya
Desktop All in One INSP 24-3477/I5-7200 S. Tag - FJKT902	2018	45,339	Satisfactory	KVK, Gaya
Printer HP Laserjet M1005 MFP S.No. CNKNL2TKNG	2018	13,390	Satisfactory	KVK, Gaya
CP-Plus 4CH UVR-0401e1-v4 (for CCTV)	2018	4,900	Satisfactory	KVK, Gaya
HP Laptop i5-DAI030TU/15/4/1/W10 with Bag	2019	46,200	Satisfactory	KVK, Gaya
HP Printer 319 AIO Tank	2019	10,200	Satisfactory	KVK, Gaya
HP Keyboard + Mouse Multimedia V4L7	2019	1,400	Satisfactory	KVK, Gaya
Hitachi 1.5 Ton Invertor AC	2019	49,975	Satisfactory	KVK, Gaya
Daikon 1.5 Ton AC	2019	50,000	Satisfactory	KVK, Gaya
Bolero SLE ZWD BS-iv	2019	7,03,841	Satisfactory	KVK, Gaya
Dakin Split AC FTQ/RQ60TV16U2B 1.5 Ton	2019	46,000	Satisfactory	KVK, Gaya
V-Guard Stablizer VGB-500	2019	7,000	Satisfactory	KVK, Gaya
Sony Speaker SA-D40 S.No. S0113013093, HSN Code-8519	2019	8,490	Satisfactory	KVK, Gaya
D-Link Router DIR615 S.No.Qx751I9004210	2019	2,350	Satisfactory	KVK, Gaya
Luminous 0.65/168 (KVA/VAH) UPS - HSN Code-8504	2019	3,780	Satisfactory	KVK, Gaya
Hp Ink Tank 319 All In one	2019	10,740	Satisfactory	KVK, Gaya
Hot Air Unicersal Oven Inner Chamber made Size 450mm x 450 mm x 450mm	2020	13,500	Satisfactory	KVK, Gaya
Digital Balance 600GM x 0.1G	2020	8,500	Satisfactory	KVK, Gaya
Livepure Smart Touch 2000+ C7JW24D1035308	2020	21,000	Satisfactory	KVK, Gaya
2 Ton Inverter AC 3 Star	2020	44,900	Satisfactory	KVK, Gaya
Tractor ACE DI6565	2020	6,34,465	Satisfactory	KVK, Gaya
Mi Redmi Note 9 6/128 IMEI No. 864755050808892	2021	18,993	Satisfactory	KVK, Gaya

V-Guard VEW 400 Plus HSN - 9032	2021	34,000	Satisfactory	KVK, Gaya
Microtek 1700 SW 19KNMSBAR05I297 Inverter	2021	6,017	Satisfactory	KVK, Gaya
Speaker F&D T2 T2BI200100032 HSN Code - 8518	2021	11,400	Satisfactory	KVK, Gaya
DATA Projector Sony Ex 430 SO17404309D	2021	39,990	Satisfactory	KVK, Gaya
Microtek UPS 800 SW	2021	4,500	Satisfactory	KVK, Gaya
Logitech C922 Web Camera HSN 8525	2021	33,300	Satisfactory	KVK, Gaya
LG 55UT6405 OTA LG 55" LED TV with Web OS	2021	56,700	Satisfactory	KVK, Gaya
All in One 5400/CIS-11th Gen. Cores 11th	2021	76,900	Satisfactory	KVK, Gaya
Kelvinator Sac 1.5 Ton INV35	2021	32,900	Satisfactory	KVK, Gaya
Dell All in One Desktop 5400 BLK Ci5	2022	81,200	Satisfactory	KVK, Gaya
S8 250 Kg Plate form Scale (Balance)	2022	9,900	Satisfactory	KVK, Gaya
Logitech Conference Webcam BCC-95 2053L7523329	2022	26,350	Satisfactory	KVK, Gaya
HP Printer LJ SmartTank MFP2606 SDW	2023	31,000	Satisfactory	KVK, Gaya
Microtek UPS 1KVA	2023	5,400	Satisfactory	KVK, Gaya
Microtek UPS 2500VA JM 24 V	2023	12,800	Satisfactory	KVK, Gaya

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Disc Harrow	2006		Not Working	
MB plough	2006		Not Working	
Hydraulics trailer	2006		Working	
Tiller/cultivator	2006		Working	
Cage wheel	2006		Working	
Leveler	2006		Not Working	
Zero Till Machine	2011		Working	
Pump Set	2008		Stolen FIR Reported	
Cono weeder	2009		Working	
Tube well 5H.P Kirloskar	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	
LAWN Mower Roto 43, Grass Cutter	2020	37,760	Working	
Multi crop 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 straw bailer	2021		Working	Govt. of Bihar
Drum seeder	2022		Working	Govt. of Bihar
Zero Till-11 Tyne (National) Fluted Roller	2022	1,39,798	Working	
Lunia Mobile 400 electronic Weighing Scale (100 Kg)	2023	10,799	Working	
Wensar Portable wigh load scale (5 Kg)	2023	6,250	Working	
STIHL Handheld Brush Cutter/Line Trimmer	2023	24,828	Working	

1.8. Details SAC meeting* conducted in the year

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
16.08.2022	**58**	**15**	**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).	This year, 04 employment-oriented trainings in crop production were organized for 123 trainees.	
			In the progress report, the feedback of the farmers should be given in simple language so that the farmer can easily understand.	Simple Hindi language has been used in the progress report of SAC.	
			The reason for the poor pod formation in chickpea (var. RVG-203) under CFLD should be investigated and resolved.	In CFLD, it was advised to use Nitrobenzene/@1.5 ml/ litre of water for good flowering in gram variety RVG-203.	
			10–12 years old seed variety of pulses crop should not be adopted in CFLD, FLD, OFT.	All the seed varieties of pulses crop used this year are within 10 years old.	
			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.	The OFT of Agronomy has been selected by the ATARI Office, Patna, in which the above topic has been changed.	
			Seed and fruit sales statement should show seed production area, total production as well as status of seed and non-seed.	The area of seed production, total production and status of seed sales etc. have been shown in proper place.	
			The NARI project is to be run throughout the year at Krishi Vigyan Kendra.	The NARI project has been running 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.	Training work is being implemented by preparing a quarterly 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.	Under the SCSP project, 23 sewing machines have been distributed in the year 2023-24.	
			Natural farming must be done in one acre area at the center.	Due to non-availability of land, natural farming is being done in 0.5 acres.	
			Vegetable/fruit demonstration should be included as required. Experts should take help from other nearby Krishi Vigyan Kendra.	Due to lack of funds in the Front-line Demonstration, the demonstration could not be done which is to be done in the year 2023-24.	
			The year 2023 has been declared as the International Year of Millet, so coarse cereals are to be promoted.	Among coarse grains, front line demonstration and training of Madua and Bajra has been done.	

			Oilseeds/pulses/cereals/biofortified seed techniques can correlate with other techniques but the basic technology should be demonstrated.	Biofortified seeds were sown using Zero tillage technique.	
			One district one plan should focus on training, display and demonstration.	The product of the district under one district one product is the mushroom on which training and demonstration has been done.	
			In the melon demonstration, there is need to introduce varieties released by government institutions like Agricultural University / ICAR etc.	It is to be done in Summer - 2024.	
			Under the innovation model project of NABARD, SMS (Vet. Sci.) should bring a project, which can be funded by NABARD.	The project has been made available to NABARD, Gaya vide office L. No. – 134/KVK dated: 20/07/2023 for further action.	
			Agromet is not a core subject in the Centre so that Agromet should not be included in the training part.	This has been complied with.	
24.08.2023	**60**	**10**	**Salient Recommendations of 15th SAC meeting**		

Salient Recommendations of 15th SAC meeting

1. A training calendar for three months of Krishi Vigyan Kendra, Manpur, Gaya should be prepared and sent to all the members through email in which the date of sending should be mentioned. (Action: Senior Scientist and Head)
2. The sewing machines distributed under the SC-SP Project and the income related to them should be assessed. (Action: Nodal Officer, SC-SP)
3. Under natural farming practices at the centre the effort on nutrients, organic carbon, Soil microbes etc. should be assessed. (Action: Nodal Officer, Natural Farming)
4. Under coarse grains, farmers should be given training and demonstration on its processing and market information should be made available. Under the SC-SP project, a processing machine can be purchased from the Capital fund. (Action: Senior Scientist and Head/Nodal Officer, SCSP)
5. The message sent under DAMU should be sent to all Line Departments as well as to Jeevika and NABARD related FPO agencies. (Action: SMS(Agromet))
6. Extension workers and youth associated with CHC run by Jeevika should be given training on calibration for sowing machines. (Action: Senior Scientist and Head)
7. Under RPL training, the VRP of JEEVIKA should be trained in the training of Extension Service Provider (MSP). (Action: ToT and Dr. Ved Prakash)
8. A copy of proceedings should be sent to all the members and its letter no. and date should be mentioned. (Action: Senior Scientist and Head)
9. A copy of the report of the previous meeting should be sent along with the invitation letter to the honourable members invited to the next meeting of the Scientific Advisory Committee (SAC). (Action: Senior Scientist and Head)
10. A proposal for setting up a Mushroom Demonstration unit at the centre should be sent to the Director of Extension Education, BAU, Sabour. (Action: SMS (Extension Education))
11. Ten Demonstration Units should be developed at Krishi Vigyan Kendra, Manpur, Gaya (Action: Senior Scientist and Head)
12. In the training organized under Bihar Skill Development Mission, Bankers/Line Dept. / entrepreneur farmers should be included for imparting training as Expert so that Convergence can be established. (Action: ToT and Dr. Ved Prakash)
13. Technical pamphlets should be prepared in bullet form in 1-2 pages. (Action: All Subject Matter Specialists)
14. Training on fisheries should be organized with the help of District Fisheries Officer. (Action: Subject Matter Specialist (Animal Science))
15. Due to less rainfall in the last two years, a workshop of scientists/officials and progressive farmers should be organized by identifying the blocks which have less cover of Kharif paddy, in which better alternative crop plans for Kharif can be made. (Action: Project Director, Atma, Gaya)

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

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

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 One district one product (NITI Ayog)

S. N.	One district one product (NITI Ayog)	Information
1.	Gaya	Mushroom

2.a. 3 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. 4 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. 5 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. 6 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. 7 Weather data

Month	**Rainfall (mm)**	**Temperature ^{0} C**		**Relative Humidity (%)**
		Maximum	**Minimum**	
Jan. 23	0.00	29.1	3.7	97
Feb. 23	0.00	33.0	7.2	80
Mar. 23	6.90	36.6	13.4	90
Apr. 23	19.40	43.5	16.7	73
May 23	3.33	43.3	19.4	74
June 23	38.50	44.5	3.6	72
July 23	148.50	37.8	25.5	98
Aug. 23	180.21	35.3	23.3	97
Sep. 23	161.15	35.6	23.2	97
Oct. 23	105.93	34.9	16.0	98
Nov. 23	0.00	31.8	10.4	96
Dec. 23	21.60	29.2	6.1	94

2.a.8 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 (2023)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Gaya	Nagar	Kandi, Rasalpur, Bishunpur, Madan bigha	Paddy, Wheat, Vegetable, green gram	Use of non-recommended Pesticide, Use of traditional varieties	IPM, Improved seed and seed treatment, Mushroom Production
2.	Gaya	Wazirganj	Shankar Bigha	Lentil, Chick pea, Wheat, Paddy	-Use of non-recommended Pesticide, Use of traditional varieties	
3.	Gaya	Manpur	Sondhi, Nanauk, Sadipur,	Vegetables, Muskmelon, wheat, mushroom	Lack of irrigation facility, Use of non-recommended Pesticide, Use of traditional varieties	
4.	Gaya	Manpur	Lakhanpur, Kamalpur, , Pachamba, , Sanut	Wheat, Paddy, Vegetables, Ragi,	Non-recommended Pesticide	
5.	Gaya	Paraiya	Bhadan, Pathrora, Gulariyachak	Wheat, Paddy, Vegetables, Pigeon pea	Non-recommended fertilizer	
6.	Gaya	Bodhgaya,	Jhikatiya, Bartara, Bitho, Singathiya, Bari Bigha, Mastalipur	Wheat, Paddy, Vegetables, Bajra	Non-recommended Pesticide	
8.	Gaya	Belaganj	Bagdaha, Dighi Bathani, Surhi, Chandansand, Bela, Sakardas Nawada	Wheat, Paddy, Vegetables	Non-recommended Pesticide	
10.	Gaya	Manpur	Bhare, Sikhar, Baradih, Ambedkarnagar, Ore, Rampur	Wheat, Paddy, Vegetables, Mushroom	Non-recommended fertilizer	
11.	Gaya	Tekari	Khanetu, Vaidhbigha, Balabigha	Wheat, Paddy, Vegetables, Mustard	Low yield	
12.	Gaya	Khizersarai	Dhansinghra, Bijopur	Wheat, Paddy, Vegetables, Mustard	Low yield	
13.	Gaya	Wazirganj	Naili, Punawan, Sakardas Nawada	Wheat, Paddy, Vegetables, Lentil	Non-recommended fertilizer	

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

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

Name of village	Block	Action taken for development
Kandi (Animal Science)	Nagar	Seed input, OFT, FLD, Training
Sondhi (Extension Education)	Manpur	Seed, Establishment of Kitchen Garden, Awareness programme, Training, Field visit, FLD, OFT
Rasalpur (Agronomy)	Nagar	FLD, OFT, Training, CFLD, Field days, Chaupal

2.1 Priority thrust areas of KVKs

S. N.	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 2023

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
6	5	95	24	0	0	0	160	4	184	4	188	8	11	223	96	94	0	0	89	39	185	133	318

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
133	71	3150	715	479	0	0	1033	250	1748	729	2477	2667	8180	5542	3468	1247	0	0	8114	1437	11582	2684	14266

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
3150	2477	15	6	0	0	24	12	39	18	57	5542	14266	16	3	0	0	38	13	54	16	70

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Wheat (DBW-187 C/S) – 60 q	57.57	48.20	Tomato	0.000740	0.000740
Wheat (HD-2967 C/S) – 6 q	5.79	4.91	Brinjal (Shankar)	0.002250	0.002250
Ragi (RAU T/L) – 2.5 q	2.6	2.45	Chilli (Avatar)	0.000550	0.000550
Paddy (R. Sweta C/S) – 90 q	92.62	73.06	Broccoli (Fantasy)	0.000220	0.000220
Paddy (S. Sampann C/S) – 20 q	19.55	16.40	Papaya (Red lady)	0.000250	0.000250
Sabour Chana – 1 – 7 q	6.50	6.47			

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
10 kids	16 kids	250	285

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

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

1	Disease & Health Management	2	1	7
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management	2	1	7
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**4**	**2**	**14**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Capacity Building	3	1	80
	Total	**3**	**1**	**80**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT (All discipline)

OFT

S.N.	Thematic Area	Title of On farm Trial	Farmers
2022-23			
1.	INM	Integration of fertilizer in different form on yield of lentil	7
2.	INM	Improvement of nitrogen use efficiency in wheat	7
3.	Capacity building	Assessing the Extension Education methods for awareness and use of Soil Health Card	80
2023-24			
1.	INM	Improvement of Nitrogen use efficiency in rice.	7
2.	Capacity building	Assessing the Extension Education methods for awareness and use of soil health card	80
3.	Disease management	Effect of feeding and local application of herbal medicine on clinical and subclinical mastitis	7
4.	Fodder production	Study on production and comparative nutritive value evaluation of hydroponic wheat and maize fodder	7
5.	INM	Integration of fertilizer in different form on yield of lentil	7
6.	INM	Improvement of nitrogen use efficiency in wheat	7

OFT- 1 (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: Integrated Nutrient Management

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:

Thematic area	Technology option	Area (ha)		Yield component		Yield	Cost of cultivation	Gross return (Rs./ha)	Net return	B:C ratio
		Proposed	Actual	No. of pods/plant	Test weight (gm)	(q/ha)	(Rs. /ha)		(Rs. /ha)	
INM	TO_1 (FP)	2.8	2.8	31.4	24.8	9.45	19800	51975	32175	2.63
	TO_2			33.8	25.6	12.38	20600	68090	47490	3.31
	TO_3			36.12	27.2	15.72	21800	86460	64660	3.97

Results: Maximum grain yield 15.72q/ha, gross return (86460), Net return (Rs. 64660/ha) and B:C ratio (3.97) was recorded with TO_2 Seed treatment with PSB + Rhizobium, 50% of RDF + WSF (18:18:18 @5g/l water) at pre-flowering stage.

OFT- 2 (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:

Thematic area	Technology option	No. of trials	Area (ha)		Yield component			Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs. /ha)	Net return (Rs. /ha)	B:C ratio
			Proposed	Actual	No. of effective tillers/hill	No. of grains/ear head	Test weight (gm)					
INM	TO_1 (FP)	7	2.8	2.8	349	44	44.28	38.71	30860	76452	45592	2.48
	TO_2				346	39	42.71	37.52	31290	74102	42812	2.37
	TO_3				366	49	46.71	42.30	32750	83543	50793	2.55

Results: Maximum grain yield (42.3 q/ha), gross return (Rs. 83543.00), net return (Rs. 50793.00) and B:C ratio (2.55) obtained from TO_3 (50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water).

OFT- 3 (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**	80
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**	Low reliability on SHC and difficulty in calculation of fertilizer dose
9	**Process of Farmer Participation**	Training, Group discussion, Literature, survey and positive response of farmers.

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:

Treatment	Level of Knowledge						Extent of Adoption						Awareness about SHC			Use of SHC
	L		M		H		L		M		H		Fully aware	Aware	Not aware	
	F	%	F	%	F	%	F	%	F	%	F	%	%	%	%	(%)
FP: Without Extension education methods	17	85	3	15	0	0	18	90	2	10	0	0	12.25	20.25	67.75	15.5
TO_1: Farmers having SHC with training literature	5	25	11	55	4	20	5	25	13	65	2	10	22.75	39.5	37.75	20.0
TO_2: Farmers having SHC with customized social media	2	10	12	60	6	30	3	15	12	60	5	25	35.25	42.25	22.5	23.0
TO_3: Farmers having SHC with training literature and customized social media	2	10	3	15	15	75	3	15	6	30	12	60	65.75	29.0	4.75	38.5

Result: The farmers having SHC with training literature and customized social media(TO3), maximum of the respondent (75%) and (60%) had high level of knowledge and high extent of adoption with maximum of them (67.75%) having fully aware of SHC and 38.5% of them had the idea of use of SHC which was followed by Farmers having SHC with customized social media (TO2) with most of them (60%) having medium level of knowledge and adoption while maximum of them (42.25%) were aware of SHC and 23% had use of it. Therefore, it could be concluded that Farmers having SHC should be exposed to both training literature and customized social media to have better use of SHC.

OFT- 1 (Agronomy) (2023-24)

1.	Title of on farm Trial (OFT)	Improvement of Nitrogen use efficiency in rice.
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)	Farmer Practice: RDF (100:40:20) Kg/ha TO_1: 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage). TO_2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT finalization committee, BAU, Sabour
5.	Production system and thematic area	Rice-Wheat & Integrated Nutrient management
6.	Performance of the Technology with performance indicators	i) No. of tillers/m2 ii) Plant height iii) Days iv) Yield v) B:C ratio
7.	Final recommendation for micro level situation	The trial indicates that (TO_2) 50% RDN and 100% PK + 2 spray of Nano urea at (25-30 days) and (60-65 days) @ 4ml/lit. water higher yield 41.90 q/ha followed by FP RDF (100:40:20 kg/ha) which yield 39.40 q/ha and TO_1 50% of RDN and 100% PK + Nano-Urea @ 4 ml/lit. water. Single spray at pre-flowering stage.
8.	Constraints identified and feedback for research	Farmers are satisfied with this technology improves of yield significantly under nutrient management.
9.	Process of farmers participation and their reaction	50% of RDN and 100% PK + 2 spray of Nano-Urea at (25-30 days) and (60-65 days) @ 4 ml/lit. water is accepted by all farmers.

Thematic area: Integrated Nutrient Management

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

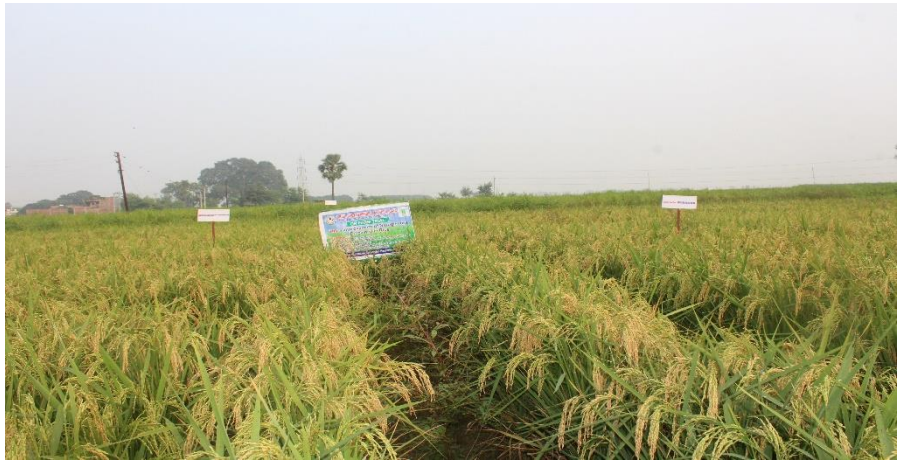
Technology assessed:

Farmer Practice: RDF (100:40:20) Kg/ha
TO_1: 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).
TO_2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water

Table:

Technology option	Area (ha)		Yield component			Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs. /ha)	Gross return (Rs. /ha)	Net return (Rs. /ha)	B:C ratio
	Proposed	Actual	No. of effective tillers/m^2	Plant height (cm)	Days						
FP	2.8	2.8	352	87	138	39.40	-	36100	86010	49910	2.38
TO_1			340	85	135	37.55	- 4.69	34800	81971	47171	2.35
TO_2			360	88	140	41.90	6.34	36800	91467	54667	2.48

Results: Conducted OFT at 7 locations on nitrogen use efficiency in rice results of the trial indicates that (TO_2) 50% RDN and 100% PK + 2 spray of Nano urea at (25-30 days) and (60-65 days) @ 4ml/lit. water higher yield 41.90 q/ha followed by FP RDF (100:40:20 kg/ha) which yield 39.40 q/ha and TO_1 50% of RDN and 100% PK + Nano-Urea @ 4 ml/lit. water. Single spray at pre-flowering stage.



OFT- 2 (Extension Education) (2023-24)

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**	80
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**	Low reliability on SHC and difficulty in calculation of fertilizer dose
9	**Process of Farmer Participation**	Training, Group discussion, Literature, survey and positive response of farmers.

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:

Treatment	Level of Knowledge						Extent of Adoption						Awareness about SHC			Use of SHC
	L		M		H		L		M		H		Fully aware	Aware	Not aware	
	F	%	F	%	F	%	F	%	F	%	F	%	%	%	%	(%)
FP: Without Extension education methods	14	70	6	30	0	0	17	85	3	15	0	0	12.75	26.0	64.5	16.5
TO_1: Farmers having SHC with training literature	9	45	9	45	2	10	11	55	8	40	1	5	25.5	39.25	35.25	22.0
TO_2: Farmers having SHC with customized social media	1	5	11	55	8	40	2	10	12	60	6	30	34.5	42.5	22.75	22.5
TO_3: Farmers having SHC with training literature and customized social media	0	0	5	25	15	75	1	5	5	25	14	70	64.25	27.0	7.75	37.0

Result: The farmers having SHC with training literature and customized social media(TO_3), maximum of the respondent (75%) and (70%) had high level of knowledge and high extent of adoption respectively with maximum of them (64.25%) having fully aware of SHC and 37.0% of them had the idea of use of SHC which was followed by Farmers having SHC with customized social media (TO_2) with most of them (55%) having medium level of knowledge and adoption (60%) while maximum of them (42.5%) were aware of SHC and 22.5% had use of it. Therefore, it could be concluded that Farmers having SHC should be exposed to both training literature and customized social media to have better use of SHC.



OFT- 3 (Veterinary Science) (2023-24)

1.	Title of On farm Trial (OFT)	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 hormonal imbalance and nutrient deficiency.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	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)	OFT workshop
5.	Production system and thematic area	Semi-intensive & Disease management
6.	Performance of the Technology with performance indicators	Treatment -2 is more beneficial in terms of udder condition, milk color, normal milk consistency, milk production, milk PH and profit.
7.	Final recommendation for micro level situation	Herbal gel application with oral herbal supplement is effective in subclinical mastitis.
8.	Constraints identified and feedback for research	Lack of hygiene in dairy farm
9.	Process of farmers participation and their reaction	Through training and trial

Thematic area: Disease Management

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

Technology assessed:

Farmer Practice (FP) -Hot fomentation
TO_1: Herbal gel (lacto mastigel) application 5 times for 5 days
TO_2: TO_1 + Oral herbal (lacto mastfree) 80 ml orally 3 days

Table 1:

Tech. Option	Nos.		Yield	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
	Proposed	Actual					
Farmers Practice	7	7	6.1	3560	7370	3810	2.07
TO_1	7	7	6.4	3680	8025	4345	2.18
TO_2	7	7	7.3	4020	9110	5090	2.27

Table 2:

Tech. Option	Udder Condition (Inflammation)	Milk Color (Straw color)	Normal milk consistency	Milk PH	CMT Test (+ve)	No. of days required for recovery of animals
Farmers Practice	7	5	3	6.9	5	17
TO_1	4	2	5	6.8	3	14
TO_2	2	1	6	6.7	1	11

Result: Result shows that use of Herbal gel (lacto mastigel) application + Oral herbal (lacto mastfree) is more beneficial in treatment of subclinical mastitis.

1.	Title of On farm Trial (OFT)	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 green fodder.
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)	OFT workshop, IVRI, Izatnagar
5.	Production system and thematic area	Semi-intensive & Fodder production
6.	Performance of the Technology with performance indicators	Hydroponic wheat is more beneficial in terms of milk production, cost of feed, cost of production of milk, gross return, net return and BCR.
7.	Final recommendation for micro level situation	Hydroponic wheat fodder is recommended for farmers.
8.	Constraints identified and feedback for research	Lack of balance ration
9.	Process of farmers participation and their reaction	Through training and trial

Thematic area: Fodder production

Problem definition: Low milk production due to low availability of green fodder

Technology assessed:

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

Table 1:

Tech. Option	Nos.		Milk Yield/day	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
	Proposed	Actual					
Farmers Practice	7	7	6.4	7581	17280	9699	2.28
TO_1	7	7	7.8	8463	21060	12597	2.49
TO_2	7	7	8.4	8713	22680	13967	2.60

Table 2:

Tech. Option	Cost of feed Rs. /cow/day	Cost/kg milk
Farmers Practice	106.35	16.62
TO_1	121.05	15.52
TO_2	125.21	14.91

Result: Above table reveals that use of hydroponic wheat fodder is more beneficial in terms of milk yield and net return than hydroponic maize fodder.

OFT- 5 (Agronomy) (2023-24)

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	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Results – Trial ongoing and result awaited

OFT- 6 (Agronomy) (2023-24)

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	
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training & gosthi

Results – Trial ongoing and result awaited

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2023

S. No.	Crop category	No. of FLD	Area (ha)/No.	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1	Cereals					
	Wheat (2022 -23)	1	10.0	25	41.8	33.7
	Ragi (2023-24)	1	6.0	50	12.2	9.4
	Bajra (2023-24)	1	2.0	5	30.78	28.65
	Wheat (2023 -24)	1	6.0	15	-	-
	Wheat (2023 -24)	1	1.2	6	-	-
2	Oil Seed					
3	Pulses (Pigeon pea)	1	5.0	13	-	-
4	Horticulture Crops	1	1.0	58	-	-
5	Other crops					
6	Hybrid crop					
7	Livestock					
	Dairy management	1	80 Nos.	15	7.9 lit./day	7.2 lit./day
	Backyard poultry	1	500 Nos.	50	708 g	645 g
8	Fisheries					
9	Other enterprises					
	Button mushroom (2022-23)	1	200 Nos.	47	2.4kg/bag	1.82kg/bag
	Button mushroom (2023-24)	1	250 Nos.	56	-	-
10	Women empowerment					
11	Farm Machinery					
	Grand Total	**11**	**31.20/ 1030**	**340**		

B. Details of FLDs conducted during the year 2023

1. Cereals

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat (2022 -23)	ICM	ZT, Seed (DBW-187)	25	10.0	41.8	33.7	24.04	38330	88825	50495	2.32	40200	71613	31412.5	1.78
Ragi (2023-24)	ICM	RAU – 8	50	6.0	12.2	9.4	29.79	18890	41199	22309	2.18	20360	31744	11384	1.56
Bajra (2023-24)	ICM	HHB - 67	5	2.0	30.78	28.65	7.43	25150	76950	51800	3.06	27450	71625	44175	2.61
Wheat (2023 -24)	ICM	BHU-31	15	6.0	Crop standing										
Wheat (2023 -24)	ICM	HUW-838 AK-19 N-21 DBW-332 HUW-111 DBW-327	6	1.2	Crop Standing										
Total			**101**	**25.2**											

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
1.															
	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 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
Pigeon pea	ICM	Seed (Var.- IPA – 203)	13	5.0	Flowering stage										
	Total		**13**	**5.0**											

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

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

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Muskmelon	Fruit Production	Seed	58	1.0	Crop standing										
	Total		**58**	**1.0**											

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

4. Other crops

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

5. 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										

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
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

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

** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	Dairy management	Chelated mineral mixture	15	80	7.90	7.20	9.90	-	-	7430	18977	11547	2.55	7170	17263	10093	2.41
Cow																	
Buffalo																	
Poultry	Backyard poultry	Sonali	50	500	708 g	645 g	9.8	-	-	776	1062	286	1.37	828	968	140	1.17
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total			**65**	**580**													

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

** BCR= GROSS RETURN/GROSS COST

8. Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
Total																	

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

** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom 2022-23	Button mushroom	47	200	2.4kg/ bag	1.82kg/ bag	25.7	-	-	93	342	249	3.7	68	127	59	1.86
Button mushroom 2023-24	Button mushroom	56	250	In Progress												
Vermicompost																
Sericulture																
Apiculture																
Others (pl. specify)																
	Total	**103**	**450**													

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

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	**No. of demonstrations**	**Name of technology**	**Observations**		**No. of Beneficiaries**
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutri garden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					

Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery

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

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

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training	03.01.2023	1	21	
		30.01.2023	1	19	
		31.01.2023	1	30	
		07.02.2023	1	41	
		21.02.2023	1	16	
		09.03.2023	1	20	
		19.05.2023	1	18	

		06.06.2023	1	19	
		12.06.2023	1	43	
		04.07.2023	1	20	
		05.08.2023	1	26	
		07-10-2023	1	23	
		13.10.2023	1	15	
		01.11.2023	1	32	
		03-11-2023	1	34	
		08.11.2023	1	26	
		09.11.2023	1	30	
		10.11.2023	1	22	
		13-11-2023	1	22	
		17.11.2023	1	40	
		13-12-2023	1	28	
		14-12-2023	1	26	
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back

A. PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD) (During Kharif, Rabi and Summer)

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha) 7 years	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
2022-23															
1.	Mustard	Kala Sona	11.4	643	1127	2230	PM -30 + Sulphur @ 40 kg/ha + Profenofos + Carbendazim + Mancozeb + Trichoderma + Viridii + Azotobacter + PSB	51	20	14.3	11.9	13.4	52	15.9	-66.42
2.	Pigeon pea	Laldana	12.6	749	592	1240	Seed (Var.- IPA-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	16.8	9.6	13.2	34.3	28.7	47.2
3.	Chickpea	Chotki Chana	10.5	825	714	950	Seed (Var- GCP-105) @75kg/ha	50	20	19.5	11.8	15.7	16.5	11.3	21.8
4.	Lentil	Titki	7.6	718	602	840	Seed (Var- IPL-306) @ 40kg/ha , Sulphur @ 20 kg/ha, PSB @ 1.25 l/ha, Rhizobium @ 625 ml/ha, Carbendazim + Mancozeb @ 1.25 kg/ha	50	20	16.6	8.7	12.7	14.4	7.1	20.9
5	Green gram	Bada Dana	4.8	410	304	520	Seed (Var.- IPM -2-3) @ 20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @500 ml/acre seed + Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha	50	20	8.1	5.8	7.0	21.9	11.4	30.5

							Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha								
2023-24															
1	Mustard	MYSL-203	Crop standing				HYV Seed (Var.-Pant Sweta) @ 5 kg/ha + PSB + Azotobacter	58	20						
2	Lentil	Titki	Crop standing				Seed (Var.-IPL – 316) + Rhizobium culture @ 1.25 l/ha + PSB @ 1.25 l/ha	50	20						

2. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
2022-23									
1	PM -30 + Sulphur @ 40 kg/ha + Profenofos + Carbendazim + Mancozeb + Trichoderma + Viridii + Azotobacter + PSB	24940	57570	32630	2.31	25150	88440	63290	3.52
2	Seed (Var.- IPA-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	19520	60720	41200	3.11	22600	85140	65540	3.77
3	Seed (Var- GCP-105) @75 kg/ha	21500	70605	49105	3.28	23800	93094	69294	3.91
4	Seed (Var- IPL-306) @ 40kg/ha, Sulphur @ 20 kg/ha, PSB @ 1.25 l/ha, Rhizobium @ 625 ml/ha, Carbendazim + Mancozeb @ 1.25 kg/ha	19290	65450	46160	3.39	22200	89100	66900	4.01
5	Seed (Var.- IPM -2-3) @ 20kg/ha + Thiram @ 2g/kg seed + Rhizobium & PSB @500 ml/acre seed + Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha Carbendazim + Mancozeb @ 1.25kg/ha, Imidacloprid @ 250 ml/ha	18650	66693	48043	3.58	21200	83754	62554	3.95
2023-24									
1	HYV Seed (Var.-Pant Sweta) @ 5 kg/ha + PSB + Azotobacter								
2	Seed (Var.-IPL – 316) + Rhizobium culture @ 1.25 l/ha + PSB @ 1.25 l/ha								

3. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
2022-23								
1	Mustard & PM-30	26800	465	55	10	100	To meet out family expence	39
2	Pigeon pea & IPA-203	1280	1050	65	10	140	To meet own family needs	1
3	Chickpea & GCP-105	1610	1420	40	60	150	Child education	1
4	Lentil & IPL - 306	1275	1145	42	50	105	To meet own family needs	1
5	Green gram & IPM -2-3	695	435	55	10	255	To meet own family needs	1
2023-24								
1	Mustard & Pant Sweta							
2	Lentil & IPL – 316							

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
Oilseed							
1	HYVs PM-30, Sulphur, Biofertilizers, Insecticide, Fungicide	Yes	Good	62%	No	Yes	Timely sowing gives better result
Pulses							
2	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
3	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	Yes, it is acceptable.	• Fund per hectare should be increased in this crop

					possible in heavy soil and micro-irrigation system is not popular and available till date.		Seed of late sown chickpea variety is required in this district because late harvest of paddy delays sowing time
4	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
5	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
2023-24							

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
2022-23			
Crop – 1: Mustard			
1. Low erucic acid content, suitable for timely sown irrigated condition, maturity – 137 days, average yield – 18.2 q/ha, seed – dark brown, medium in size, 5.38 g/1000 seed, oil content-37.7%	Better than local variety	Higher yield	Plant height more and yield not as per expectations but better that local variety. Needed some other high yielding variety
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

D. Extension activities under CFLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
2022-23			
Oilseed			
1.	Farmer's training - 3	15-10-23 – KVK, 20-10-23 – Lakhanpur, 26-10-23 - KVK	80
	Field Day – 2	04-03-2023 Madan Bigha, 13-03-2023 Bhusiya	195
Pulses (Kharif)			
1.	Farmer's training - 1	07-07-23 - KVK	21
	Field Day – 2	10-03-2023 Makhdumpur, 15-03-2023 Adama	110
	Group meeting – 1		37
Pulses (Rabi)			
1.	Farmer's training - 5	03-01-23 – Gulariyachak, 01-11-23 – KVK 03-11-23 – KVK, 04-11-23 – KVK, 08-11-23 - KVK	144
	Field Day – 3	06-03-2023 Pathra, 14-03-2023 Dharampur, 21-03-2023 Bihiyan	270
	Group meeting – 1		49
Pulses (Summer)			
1.	Farmer's training - 2	05-04-23 – KVK, 06-04-23 - KVK	45
	Field Day – 2	21-06-2023 Kandi, 22-06-2023 Sondhi	249
	Group meeting – 1		40

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

Crop – 1: Mustard

Crop – 2: Pigeon pea

Crop – 3: Chickpea

Crop – 4: Lentil

Crop – 5: Green gram

F. Farmers' training photographs

G. **Crop – 1: Mustard**

Crop – 2: Pigeon pea

Crop – 3: Chickpea

Crop – 4: Lentil

Crop – 5: Green gram

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

I. **Crop – 1: Mustard**

Crop – 2: Pigeon pea

Crop – 3: Chickpea

Crop – 4: Lentil

Crop – 5: Green gram

J. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard	i) Critical input	58,320.00	96,924.00	-38,604.00
	ii) TA/DA/POL etc. for monitoring	6,480.00	10,393.00	-3,913.00
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**64,800.00**	**1,03,717.00**	**-42,517.00**
Pigeon pea	i) Critical input	35,640.00	1,40,569.00	-1,04,929.00
	ii) TA/DA/POL etc. for monitoring	3,960.00	4,800.00	-840.00
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**39,600.00**	**1,45,369.00**	**-1,05,769.00**
Chick pea	i) Critical input	35,640.00	1,62,000.00	-1,26,360.00
	ii) TA/DA/POL etc. for monitoring	3,960.00	8,945.00	-4,985.00
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**39,600.00**	**1,70,945.00**	**-1,31,345.00**
Lentil	i) Critical input	35,640.00	1,54,371.00	-1,18,731.00
	ii) TA/DA/POL etc. for monitoring	3,960.00	4,122.00	-162.00
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**39,600.00**	**1,58,493.00**	**-1,18,893.00**
Green gram	i) Critical input	35,640.00	1,61,683.00	-1,26,043.00
	ii) TA/DA/POL etc. for monitoring	3,960.00	17,350.00	-13,390.00
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**39,600.00**	**1,79,033.00**	**-1,39,433.00**

CLIMATE RESILIENT AGRICULTURE PROGRAM (CRAP)

Proposed target and area achieved under different interventions during Rabi, 2022-23:

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-2733	400	400	44.12	39.6	52.6	51.4	45.47	43.52
		DBW - 187			46.7	41.38	55.24	53.2	45.86	43.75
		Sabour Shrestha			39.5	33.71	49.9	48.4	41.64	40.83
2	Happy seeder	HD-2967	15	15	42.15	39.6	50.42	50.24	45.53	44.08
3	NE/Green Seeker based Nutrient Management	HD-2967	100	100	46.1	44.18	55.1	53.11	45.55	45.26
4	Zero Tillage Lentil	IPL-220	25	25	11.12	9.67	12.8	11.2	45.06	44.28
5	Zero Tillage Mustard	NRCY0-5	30	30	9.21	8.11	10.5	10.1	41.34	39.16
6	Maize with potato intercropping	DKC-9081 + Kufri khyati	03	3	49.15	42.89	59.6	53.4	45.02	44.11
7	Zero Tillage Chickpea	RVG-203	40	40	14.4	11.26	17.2	14.9	45.57	43.04
8	Raised bed Potato	Kufri Khyati	10	10	311	245	0	0	-	-
		Total	**623**	**623**						

Results (Rabi 2022-23)

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	35100	86881	81003	53387	45403	2.65	2.31
		DBW - 187	33500	35100	94101	83119	60802	48180	2.81	2.37
		Sabour Shrestha	33500	35100	72339	67921	38839	32826	2.16	1.94
2	Happy seeder	HD-2967	33500	35200	82614	77616	48414	42416	2.42	2.21
3	NE/Green Seeker based Nutrient Management	HD-2967	33500	35100	94927	84932	61427	44832	2.83	2.42
4	Zero Tillage Lentil	IPL-220	18400	20500	66720	58020	48320	37520	3.63	2.83
5	Zero Tillage Mustard	NRCY0-5	20400	23100	46511	60179	16870	9725	1.82	1.42
6	Maize with potato intercropping	DKC-9081+ Kufri khyati	25600	28300	10444	91141	78843	62941	4.08	3.23
7	Zero Tillage Chickpea	PUSA-3043	20800	24400	46024	60179	55324	35879	3.62	2.48
8	Raised bed Potato	Kufri Khyati	124000	130300	62200	49000	499600	359700	5.08	3.79

Physical and achieved target under CRAP project in Summer-2023:

Demonstrated Technology	Variety	Physical Target Area (Acre)	Achieved Target area (Acre)	
			Farmer's field	KVK
Zero tillage Moong	Virat	250	252	1
	IPM 2-3			
	IPM2-14			
	Sikha			
	Samrat			
Lazer Land Leveler		38	38	1

Results (Summer 2023)

Crop	Technology	Variety	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 (2023)	Zero tillage Moong	Virat	9.66	7.14	12.47	9.66	18500	19200	74913	53171	56413	36171	4.05	2.80
		IPM 2-3	12.45	9.66	15.24	12.24	18500	19200	96550	74913	75050	55713	5.22	3.90
		IPM2-14	11.78	9.11	13.25	10.25	18500	19200	91354	70648	72854	51448	4.94	3.68
		Sikha	10.74	8.33	13.45	10.45	18500	19200	83289	64832	64779	45632	4.50	3.38
		Samrat	13.27	10.47	14.28	9.66	18500	19200	102909	81195	84409	61995	5.56	4.23

Proposed target, area achieved and results under different interventions during Kharif-2023:

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	22	42.28	38.25	47.26	44.10	47.13	43.07
	Transplanted Rice	Arize-6444 Gold	240	240	71.25	63.21	67.71	56.83	46.68	46.13
		Swarna Shreya			35.66	32.66	42.88	41.62	44.43	43.19
		Swarna Samridhi			41.26	39.18	49..88	47.96	80.25	42.97
		S.Sampann			43.26	36.58	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
Rice	Line transplanting	R. Sweta	38	38	45.12	40.23	54.56	49.13	45.40.	45.23
Maize + Pigeon Pea	Intercropping	DKC – 7074 + IPA - 203	30	30	Crop standing					
Ragi	Line transplanting	Ragi-376	10	10	9.66	7.12	15.23	13.27	38.81	34.21
Bajra	Line sowing	PHB-13	10	10	30.78	28.65	43.25	41.25	41.58	40.99
Pigeon Pea	Raised Bed planting	IPA - 203	40	40	Crop standing					
Maize	Raised Bed planting	DKC-7076	10	10	38.18	30.66	46.12	42.56	45.29	41.87
		Total	**595**	**575**						

Results (Kharif-2023)

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	30450	32250	82869	74970	52419	42720	2.72	2.32
	Transplanted Rice	Arize-6444 Gold	32460	34550	138225	122627	105765	88077	4.26	3.55
		Swarna Shreya	31450	33325	69180	62759	33730	37730	2.00	1.88
		Swarna Samridhi	32850	34550	77891.0	70092.0	43341.0	37242.0	2.25	2.13
		R. Sampan	32875	34325	80044	76009	47194	41459	2.44	2.20
	Alternate wetting/drying irrigation in rice	R. Sweta	33250	32550	85593	71697	52343	394147	2.57	2.20
	Water harvesting and field bunding in rice	R. Sweta	32550	33250	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	33460	84750	71089	51910	37629	2.58	2.12

Rice	Line transplanting	R. Sweta	32400	35800	101955	73229	69555	37429	3.15	2.09
Maize	Raised Bed planting	DK-7074	25600	28300	91256	78820	65565	50520	3.56	2.79
Maize + Pigeon Pea	Intercropping	DKC – 7074 + IPA - 203	Crop Standing							
Ragi	Transplanting	Ragi-376	16750	18000	36345	29076	19595	10876	2.17	1.60
Bajra	Line sowing	PHB-13	25150	27450	76950	71625	51800	44175	3.06	2.61
Pigeon Pea	Raised Bed planting	IPA-203	Crop Standing							

Gramin Krishi Mausam Sewa (GKMS): -

Sl. No.	Programme	No.
1	Total No. of Advisory	120
2	Field Visit	33
3	Feedback taken	287
4	Farmers call	1563
5	No of farmers in social media group	6625
6	No. of beneficiaries	57825

1. District Climatic Data: -

S.N.	Month (2023)	Average Rainfall
1	January	0.00
2	February	0.00
3	March	6.90
4	April	19.40
5	May	3.33
6	June	38.50
7	July	148.50
8	August	180.21
9	September	161.15
10	October	105.93
11	November	0.00
12	December	21.60

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

S.No.	Month	No. of FAP	No. of participants
1	January	2	45
2	February	1	27
3	March	0	0
4	April	2	45
5	May	2	56
6	June	1	47
7	July	1	25
8	August	0	0
9	September	0	0
10	October	0	0
11	November	0	0
12	December	2	212
	Total	**11**	**457**

3. Details of Agro Advisory Services: -

120 Agro Advisory published in 2023 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. 6625 farmers receiving Agromet advisory bulletin though social media and WhatsApp group.

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

(Mandated KVK trainings/sponsored training /FLD training programmes):

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	11	90	21	111	73	36	109	0	0	0	163	57	220
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	12	0	12	4	0	4	0	0	0	16	0	16
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
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	1	20	1	21	4	1	5	0	0	0	24	2	26
Poultry Management	4	34	3	37	19	70	89	0	0	0	53	73	126
Piggery Management													
Rabbit Management													
Disease Management	5	42	7	49	30	39	69	0	0	0	72	46	118
Feed management	2	0	0	0	32	20	52	0	0	0	32	20	52
Production of quality animal products													
Others, if any Goat farming	1	1	0	1	0	18	18	0	0	0	1	18	19
Fodder Production	1	22	0	22	6	0	6	0	0	0	28	0	28
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													

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
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm 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													
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													

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 Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	1	13	1	14	3	0	3	0	0	0	16	1	17
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	2	2	25	27	27	0	27	0	0	0	29	25	54
WTO and IPR issues													
Others, if any													
Bee Keeping	1	10	0	10	8	2	10	0	0	0	18	2	20
Crop Production	6	92	3	95	50	35	85	0	0	0	142	38	180
ICM	1	3	0	3	9	0	9	0	0	0	12	0	12
Malnutrition Eradication	1	9	12	21	5	37	42	0	0	0	14	49	63
Mushroom Production	1	0	0	0	10	8	18	0	0	0	10	8	18
Natural Farming	3	19	17	36	24	2	26	0	0	0	43	19	62
Nutrition Garden	1	0	17	17	0	12	12	0	0	0	0	29	29
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**43**	**369**	**107**	**476**	**304**	**280**	**584**	**0**	**0**	**0**	**673**	**387**	**1060**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	12	0	12	18	0	18	0	0	0	30	0	30
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming	1	11	3	14	8	8	16	0	0	0	19	11	30
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	0	16	16	0	14	14	0	0	0	0	30	30
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	22	3	25	5	1	6	0	0	0	27	4	31

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
Sheep and goat rearing	5	69	11	80	80	11	91	0	0	0	149	22	171
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	5	78	4	82	53	3	56	0	0	0	131	7	138
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													
ICM	1	18	1	19	12	0	12	0	0	0	30	1	31
TOTAL	**15**	**210**	**38**	**248**	**176**	**37**	**213**	**0**	**0**	**0**	**386**	**75**	**461**

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													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	20	4	24	3	1	4	0	0	0	23	5	28
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
ICM	2	34	5	39	23	2	25	0	0	0	57	7	64
TOTAL	**3**	**54**	**9**	**63**	**26**	**3**	**29**	**0**	**0**	**0**	**80**	**12**	**92**

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	14	0	14	8	1	9	0	0	0	22	1	23
Seed production													
Nursery management													
Integrated Crop Management	7	97	13	110	54	26	80	0	0	0	151	39	190
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any (INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
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													
Poultry Management	2	20	0	20	30	8	38	0	0	0	50	8	58
Piggery Management													
Rabbit Management													
Disease Management	6	46	7	53	20	51	71	0	0	0	66	58	124
Feed management	2	16	1	17	9	15	24	0	0	0	25	16	41
Production of quality animal products													
Others, if any Goat farming	1	0	0	0	19	7	26	0	0	0	19	7	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													
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													
Mobilization of social capital	1	8	3	11	7	6	13	0	0	0	15	9	24
Entrepreneurial development of farmers/youths	2	20	25	45	5	12	17	0	0	0	25	37	62
WTO and IPR issues													
Others, if any													
Crop Production	1	0	13	13	0	10	10	0	0	0	0	23	23
ICM	2	20	3	23	20	0	20	0	0	0	40	3	43
Information Networking	1	24	6	30	8	2	10	0	0	0	32	8	40
Integrated Soil management	1	9	3	12	2	0	2	0	0	0	11	3	14
Natural farming	3	65	5	70	20	4	24	0	0	0	85	9	94
Poshan Vatika	1	4	2	6	2	5	7	0	0	0	6	7	13
RCT	1	12	6	18	4	8	12	0	0	0	16	14	30
Soil Health Card	1	15	0	15	2	0	2	0	0	0	17	0	17
Value addition	1	4	10	14	3	6	9	0	0	0	7	16	23
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**34**	**374**	**97**	**471**	**213**	**161**	**374**	**0**	**0**	**0**	**587**	**258**	**845**

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													

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
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
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													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
ICM	2	34	5	39	23	2	25	0	0	0	57	7	64
TOTAL	**2**	**34**	**5**	**39**	**23**	**2**	**25**	**0**	**0**	**0**	**57**	**7**	**64**

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													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	14	0	14	8	1	9	0	0	0	22	1	23
Seed production													
Nursery management													
Integrated Crop Management	18	187	34	221	127	62	189	0	0	0	314	96	410
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**19**	**201**	**34**	**235**	**135**	**63**	**198**	**0**	**0**	**0**	**336**	**97**	**433**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	12	0	12	4	0	4	0	0	0	16	0	16
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**	**12**	**0**	**12**	**4**	**0**	**4**	**0**	**0**	**0**	**16**	**0**	**16**
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													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	1	20	1	21	4	1	5	0	0	0	24	2	26
Poultry Management	6	54	3	57	49	78	127	0	0	0	103	81	184
Piggery Management													
Rabbit Management													
Disease Management	11	88	14	102	50	90	140	0	0	0	138	104	242
Feed management	4	16	1	17	41	35	76	0	0	0	57	36	93
Production of quality animal products													
Others, if any (Goat farming)	2	1	0	1	19	25	44	0	0	0	20	25	45
Fodder Production	1	22	0	22	6	0	6	0	0	0	28	0	28
TOTAL	**25**	**201**	**19**	**220**	**169**	**229**	**398**	**0**	**0**	**0**	**370**	**248**	**618**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													

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
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													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
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													

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													
TOTAL													
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	13	1	14	3	0	3	0	0	0	16	1	17
Formation and Management of SHGs													
Mobilization of social capital	1	8	3	11	7	6	13	0	0	0	15	9	24
Entrepreneurial development of farmers/youths	4	22	50	72	32	12	44	0	0	0	54	62	116
WTO and IPR issues													
Others, if any													
Bee keeping	1	10	0	10	8	2	10	0	0	0	18	2	20
Crop production	7	92	16	108	50	45	95	0	0	0	142	61	203
Integrated Crop Management	3	23	3	26	29	0	29	0	0	0	52	3	55
Information networking	1	24	6	30	8	2	10	0	0	0	32	8	40
Integrated soil management	1	9	3	12	2	0	2	0	0	0	11	3	14
Malnutrition Eradication	1	9	12	21	5	37	42	0	0	0	14	49	63
Mushroom production	1	0	0	0	10	8	18	0	0	0	10	8	18
Natural farming	6	84	22	106	44	6	50	0	0	0	128	28	156
Nutrition garden	1	0	17	17	0	12	12	0	0	0	0	29	29
Poshan vatika	1	4	2	6	2	5	7	0	0	0	6	7	13
Resource conservation technologies	1	12	6	18	4	8	12	0	0	0	16	14	30
Soil Health Card	1	15	0	15	2	0	2	0	0	0	17	0	17
Value addition	1	4	10	14	3	6	9	0	0	0	7	16	23
TOTAL	**32**	**329**	**151**	**480**	**209**	**149**	**358**	**0**	**0**	**0**	**538**	**300**	**838**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**77**	**743**	**204**	**947**	**517**	**441**	**958**	**0**	**0**	**0**	**1260**	**645**	**1905**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	12	0	12	18	0	18	0	0	0	30	0	30
Bee-keeping													
Integrated farming	1	11	3	14	8	8	16	0	0	0	19	11	30
Seed production													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops	1	0	16	16	0	14	14	0	0	0	0	30	30
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	22	3	25	5	1	6	0	0	0	27	4	31
Sheep and goat rearing	5	69	11	80	80	11	91	0	0	0	149	22	171
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	78	4	82	53	3	56	0	0	0	131	7	138
Others if any (ICT application in agriculture)													
ICM	1	18	1	19	12	0	12	0	0	0	30	1	31
TOTAL	**15**	**210**	**38**	**248**	**176**	**37**	**213**	**0**	**0**	**0**	**386**	**75**	**461**

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													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	20	4	24	3	1	4	0	0	0	23	5	28
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													
ICM	4	84	7	91	33	8	41	0	0	0	117	15	132
TOTAL	**5**	**104**	**11**	**115**	**36**	**9**	**45**	**0**	**0**	**0**	**140**	**20**	**160**

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 SC/ST**			**Number of participants (Others)**			**Over all participants**
					M	**F**	**Total**	**M**	**F**	**Total**	
Agronomy											
Agronomy	PF	Package & practices of pulses	1	OFF	4	0	4	17	0	17	21
Agronomy	PF	Package & practices of millets	1	ON	4	0	4	14	1	15	19
Agronomy	PF	Cultivation of coarse grain	1	OFF	11	8	19	20	2	22	41
Agronomy	PF	Cultivation of coarse grain	1	ON	12	0	12	4	0	4	16
Agronomy	PF	Package & practices of coarse grain	1	ON	4	1	5	15	0	15	20
Agronomy	PF	Package & practices of green gram under CFLD programme	1	ON	8	0	8	16	0	16	24

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (Others)			Over all participants
					M	F	Total	M	F	Total	
Agronomy	PF	Package & practices of green gram under CFLD programme	1	ON	6	0	6	15	0	15	21
Agronomy	PF	Package & practices of coarse grain	1	ON	9	0	9	3	0	3	12
Agronomy	PF	Package & practices of kharif crops	1	OFF	10	0	10	11	1	12	22
Agronomy	PF	Package & practices of kharif crops	1	OFF	10	0	10	9	2	11	21
Agronomy	PF	Package & practices of paddy	1	ON	14	1	15	2	0	2	17
Agronomy	PF	Seed production	1	ON	6	15	21	0	4	4	25
Agronomy	PF	Package & practices in rice fallow area	1	OFF	12	0	12	22	0	22	34
Agronomy	PF	Package & practices of pigeon pea	1	ON	5	2	7	11	3	14	21
Agronomy	PF	Principle of water conservation	1	OFF	0	17	17	0	8	8	25
Agronomy	PF	Irrigation management in paddy	1	OFF	8	1	9	14	0	14	23
Agronomy	PF	Processing of coarse grain	1	ON	0	17	17	0	13	13	30
Agronomy	PF	Integrated nutrient management in paddy	1	ON	4	0	4	12	0	12	16
Agronomy	PF	Seed production technology	1	ON	5	0	5	10	0	10	15
Agronomy	PF	Package & practices of rabi crops	1	OFF	7	1	8	18	0	18	26
Agronomy	RY	Package & practices of onion	4	ON	12	0	12	18	1	19	31
Agronomy	RY	Integrated farming system	4	ON	8	8	16	11	3	14	30
Agronomy	EF	Cultivation of millets	1	ON	10	2	12	14	4	18	30
Agronomy	EF	Package & practices of kharif crops	1	OFF	13	8	21	49	6	55	76
Agronomy	EF	Package & practices of coarse grain	1	OFF	7	0	7	15	0	15	22
Agronomy	EF	Package & practices of coarse grain	1	ON	13	0	13	20	1	21	34
Extension Education											
Ext. Edn.	PF	Natural farming; demand of the time	1	OFF	2	0	2	9	3	12	14
Ext. Edn.	PF	Awareness on importance & use of Soil Health Card	1	OFF	2	0	2	15	0	15	17
Ext. Edn.	PF	Production technique of oyster mushroom	1	ON	10	8	18	0	0	0	18
Ext. Edn.	PF	Natural farming and its benefit	1	OFF	3	0	3	13	0	13	16
Ext. Edn.	PF	Package & practices of coarse grain	1	ON	9	0	9	3	0	3	12
Ext. Edn.	PF	Package & practices of kharif crops	1	OFF	10	0	10	11	1	12	22
Ext. Edn.	PF	Package & practices of kharif crops	1	OFF	10	0	10	9	2	11	21
Ext. Edn.	PF	Creating awareness towards eradication of mal nutrition	1	ON	5	37	42	9	12	21	63
Ext. Edn.	PF	Creating awareness towards best utilization of available resources among farmers.	1	OFF	7	6	13	8	3	11	24
Ext. Edn.	PF	FPO is the need of the time for enhancing income.	1	ON	3	0	3	13	1	14	17
Ext. Edn.	PF	Importance of natural farming	1	ON	7	0	7	13	0	13	20
Ext. Edn.	PF	Awareness towards natural farming	1	OFF	14	4	18	32	5	37	55
Ext. Edn.	PF	Income generation by means of value addition in millets	1	OFF	8	2	10	24	6	30	40
Ext. Edn.	PF	Importance & benefits of poshan vatika	1	OFF	2	5	7	4	2	6	13
Ext. Edn.	PF	Crop diversification and water management	1	OFF	4	8	12	12	6	18	30
Ext. Edn.	PF	Enhancing income by means of value- added products of mushroom	1	OFF	3	6	9	4	10	14	23
Ext. Edn.	PF	Income generation by honey production	1	ON	8	2	10	10	0	10	20
Ext. Edn.	PF	Scientific cultivation of mustard	1	ON	9	0	9	18	0	18	27
Ext. Edn.	PF	Scientific cultivation of mustard	1	OFF	0	10	10	0	13	13	23
Ext. Edn.	PF	Scientific cultivation of mustard	1	ON	9	1	10	18	2	20	30
Ext. Edn.	PF	Improved cultivation of lentil/chickpea	1	ON	7	0	7	18	0	18	25
Ext. Edn.	PF	Improved cultivation of wheat/lentil	1	ON	12	0	12	22	0	22	34
Ext. Edn.	PF	Improved cultivation of lentil	1	ON	7	33	40	0	0	0	40
Ext. Edn.	PF	Improved cultivation of lentil	1	ON	6	1	7	16	1	17	24
Ext. Edn.	PF	Income generation through mushroom production	1	OFF	0	8	8	0	14	14	22

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (Others)			Overall participants
					M	F	Total	M	F	Total	
Ext. Edn.	PF	Benefit of nutrition garden	1	ON	0	12	12	0	17	17	29
Ext. Edn.	PF	Enhancing income by value added products of mushroom	1	OFF	5	4	9	20	11	31	40
Ext. Edn.	PF	Scope of natural farming	1	OFF	3	0	3	20	0	20	23
Ext. Edn.	PF	Natural farming is need of time	1	ON	2	2	4	6	2	8	12
Ext. Edn.	PF	Importance of natural farming	1	ON	15	0	15	0	15	15	30
Ext. Edn.	PF	Income generation through mushroom production	1	ON	14	0	14	0	14	14	28
Ext. Edn.	PF	Enhancing income by means of value- added products of mushroom	1	ON	13	0	13	2	11	13	26
Ext. Edn.	RY	Mushroom production technologies	4	RY	18	0	18	12	0	12	30
Ext. Edn.	RY	Mushroom production (Small entrepreneur)	4	RY	3	1	4	26	0	26	30
Ext. Edn.	RY	Mushroom production technology	4	RY	14	0	14	22	0	22	36
Ext. Edn.	RY	Mushroom production technology	4	RY	17	0	17	13	0	13	30
Ext. Edn.	RY	Organic fertilizer production technology	4	RY	14	0	14	4	0	4	18
Ext. Edn.	RY	Doubling farmers income through mushroom cultivation	4	RY	5	2	7	13	4	17	24
Animal Science											
Ani. Sci.	PF	Management of infertility in dairy animals	1	OFF	2	0	2	11	3	14	16
Ani. Sci.	PF	Disease management in goat	1	OFF	19	7	26	0	0	0	26
Ani. Sci.	PF	Backyard poultry farming	1	ON	12	3	15	14	1	15	30
Ani. Sci.	PF	Management of FMD in cattle	1	OFF	6	0	6	14	0	14	20
Ani. Sci.	PF	Feed Management in dairy animals	1	OFF	7	15	22	1	1	2	24
Ani. Sci.	PF	Small scale goat farming	1	ON	0	18	18	1	0	1	19
Ani. Sci.	PF	Eradication of malnutrition through backyard poultry	1	OFF	8	0	8	18	0	18	26
Ani. Sci.	PF	Management of HS & BQ in dairy animals	1	ON	5	0	5	13	0	13	18
Ani. Sci.	PF	Treatment of straw with urea	1	OFF	2	0	2	15	0	15	17
Ani. Sci.	PF	Management of HS & BQ in dairy animals	1	OFF	2	0	2	17	0	17	19
Ani. Sci.	PF	Management of HS & BQ in dairy animals	1	ON	17	13	30	11	2	13	43
Ani. Sci.	PF	Management of infertility in dairy animals	1	ON	5	5	10	6	4	10	20
Ani. Sci.	PF	Calculation of balanced ration in dairy animals	1	ON	11	11	22	0	0	0	22
Ani. Sci.	PF	Commercial poultry farming	1	ON	4	0	4	20	2	22	26
Ani. Sci.	PF	Disease management in goat	1	OFF	6	10	16	2	2	4	20
Ani. Sci.	PF	Fodder production round the year	1	ON	6	0	6	22	0	22	28
Ani. Sci.	PF	Vaccination in dairy & poultry	1	OFF	3	16	19	2	2	4	23
Ani. Sci.	PF	Management of common diseases in goat	1	OFF	1	25	26	0	0	0	26
Ani. Sci.	PF	Management of common diseases in dairy animals	1	ON	2	0	2	12	1	13	15
Ani. Sci.	PF	Income generation through backyard poultry	1	OFF	22	8	30	2	0	2	32
Ani. Sci.	PF	Clean milk production	1	ON	4	1	5	20	1	21	26
Ani. Sci.	PF	Income generation through backyard poultry	1	ON	0	30	30	0	0	0	30
Ani. Sci.	PF	Management of FMD in dairy animals	1	ON	1	21	22	0	0	0	22
Ani. Sci.	PF	Fodder production round the year	1	ON	21	9	30	0	0	0	30
Ani. Sci.	PF	Commercial broiler farming	1	ON	3	37	40	0	0	0	40
Ani. Sci.	RY	Goatry management	3	ON	10	3	13	25	4	29	42
Ani. Sci.	RY	Goatry management	4	ON	6	8	14	22	7	29	43
Ani. Sci.	RY	Dairy management	4	ON	5	1	6	22	3	25	31
Ani. Sci.	RY	Goatry management	4	ON	8	0	8	22	0	22	30
Ani. Sci.	RY	Income generation through goat farming	4	ON	28	0	28	0	0	0	28
Ani. Sci.	RY	Income generation through goat farming	4	ON	28	0	28	0	0	0	28
Ani. Sci.	EF	Use of millet in animal feed	1	ON	3	1	4	20	4	24	28

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (Others)			Over all participants
					M	F	Total	M	F	Total	
Horticulture											
Hort.	RY	Improved technology for vegetables cultivation	4	ON	0	14	14	0	16	16	30

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	
Vegetable cultivation	Vegetable production	Package & practices of onion	4	30	1	31				
Agriculture	IFS	Integrated farming system	4	19	11	30				
Mushroom	Mushroom	Mushroom production technologies	4	30	0	30	Mushroom unit	2	2	
Mushroom	Mushroom	Mushroom production (Small entrepreneur)	4	29	1	30	Mushroom unit	3	3	
Mushroom	Mushroom	Mushroom production technology	4	36	0	36	Mushroom unit	1	1	
Mushroom	Mushroom	Mushroom production technology	4	30	0	30	Mushroom unit	1	1	
Agriculture	Organic farming	Organic fertilizer production technology	4	18	0	18				
Mushroom	Mushroom	Doubling farmers income through mushroom cultivation	4	18	6	24				
Livestock	Goat farming	Goatry management	3	35	7	42				
Livestock	Goat farming	Goatry management	4	28	15	43				
Livestock	Dairy	Dairy management	4	27	4	31	Dairy unit	3	3	
Livestock	Goat farming	Goatry management	4	30	0	30	Goatry	6	6	
Livestock	Goat farming	Income generation through goat farming	4	28	0	28	Goatry	3	3	
Vegetable cultivation	Vegetable production	Improved technology for vegetables cultivation	4	0	30	30				

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

I) Sponsored Training Programmes

S.N.	Title	Thematic area	Month	Duration (days)	Client PF/ RY/ EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Scientific cultivation of berseem & oat	Integrated Crop Management	Jan	1	PF	1	32	8	0	0	8	0	32	8	0	40	ATMA, Gaya
2	Package & practices of kharif crops	Integrated Crop Management	May	1	PF	1	21	18	0	2	18	0	23	21	0	44	ATMA, Gaya
3	Package & practices of kharif crops	Integrated Crop Management	May	1	PF	1	65	28	0	7	28	0	72	38	0	110	ATMA, Gaya

4	Scientific cultivation of kharif crops under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	45	29	0	12	29	0	57	35	0	92	ATMA, Gaya
5	Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	48	15	0	11	15	0	59	23	0	82	ATMA, Gaya
6	Scientific cultivation of kharif crops under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	30	20	0	27	20	0	57	30	0	87	ATMA, Gaya
7	Scientific cultivation of kharif crops under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	54	30	0	7	30	0	61	41	0	102	ATMA, Gaya
8	Scientific cultivation of kharif crops under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	40	30	0	20	30	0	60	38	0	98	ATMA, Gaya
9	Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	50	23	0	17	23	0	67	35	0	102	ATMA, Gaya
10	Scientific cultivation of kharif crops under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	55	7	0	8	7	0	63	12	0	75	ATMA, Gaya
11	Package & practices of coarse grains under Kharif Maha Abhiyan	Integrated Crop Management	Jun	1	PF	1	10	9	0	6	9	0	16	19	0	35	ATMA, Gaya
12	Sustainable rainfed & crop diversification	Crop diversification	Jul	1	PF	1	44	7	0	6	7	0	50	10	0	60	Magadh Vikas Bharti, Gaya
13	Improved cultivation of maize, Ragi, Jwar and Bajra	Integrated Crop Management	Jul	1	PF	1	26	8	0	0	8	0	26	8	0	34	ATMA, Gaya
14	Sustainable rainfed & crop diversification	Crop diversification	Jul	1	PF	1	37	12	0	4	12	0	41	14	0	55	Magadh Vikas Bharti, Gaya
15	Organic farming	Organic farming	Aug	1	PF	1	18	10	0	1	10	0	19	10	0	29	ATMA, Gaya
16	Deficiency symptoms of micronutrients in plant and soil reclamation	Micro nutrient deficiency in crops	Aug	1	PF	1	30	8	0	2	8	0	32	8	0	40	ATMA, Gaya
17	Entrepreneurship development in mushroom production	Entrepreneurship development	Aug	1	PF	1	4	6	0	3	6	0	7	8	0	15	GISSS, Gaya
18	Seed production technology of paddy	Seed production	Sep	1	PF	1	31	16	0	0	16	0	31	16	0	47	BRBN
19	Improving cultivation nutritional security, soil health and nursery technology.	Integrated Nutrient Management	Sep	1	PF	1	10	8	0	4	8	0	14	14	0	28	Magadh Vikas Bharti, Gaya
20	Package & practices of rabi crops	Integrated Crop Management	Oct	1	PF	1	28	12	0	5	12	0	33	14	0	47	ATMA, Gaya
21	Package & practices of rabi crops	Integrated Crop Management	Oct	1	PF	1	32	15	0	6	15	0	38	18	0	56	ATMA, Gaya
22	Package & practices of rabi crops	Integrated Crop Management	Oct	1	PF	1	31	18	0	4	18	0	35	24	0	59	ATMA, Gaya

23	Package & practices of rabi oilseeds, pulses & ZT wheat	Integrated Crop Management	Oct	1	PF	1	32	9	0	8	9	0	40	23	0	63	ATMA, Gaya
24	Package & practices of rabi crops	Integrated Crop Management	Oct	1	PF	1	26	17	0	3	17	0	29	20	0	49	ATMA, Gaya
25	Package & practices of rabi oilseeds, pulses & ZT wheat	Integrated Crop Management	Oct	1	PF	1	25	10	0	11	10	0	36	18	0	54	ATMA, Gaya
26	Package & practices of rabi oilseeds, pulses & ZT wheat	Integrated Crop Management	Oct	1	PF	1	39	18	0	10	18	0	49	32	0	81	ATMA, Gaya
27	Package & practices of rabi oilseeds, pulses & ZT wheat	Integrated Crop Management	Oct	1	PF	1	40	12	0	9	12	0	49	20	0	69	ATMA, Gaya
28	Production technology of rabi crops	Integrated Crop Management	Nov	1	PF	1	46	10	0	9	10	0	55	17	0	72	ATMA, Gaya

Area of training	**No. of Courses**	**No. of Participants**											
		General			**SC**			**ST**			**Grand Total**		
		M	**F**	**Total**	**M**	**F**	**Total**	**M**	**F**	**Total**	**M**	**F**	**Total**
Crop production and management													
Increasing production and productivity of crops	17	639	144	783	297	104	401	0	0	0	936	248	1184
Commercial production of vegetables													
Production and value addition	1	4	3	7	6	2	8	0	0	0	10	5	15
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management	2	40	6	46	16	6	22	0	0	0	56	12	68
Production of Inputs at site													
Methods of protective cultivation	1	37	4	41	12	2	14	0	0	0	49	6	55
Other	3	93	7	100	33	3	36	0	0	0	126	10	136
Resource Conservation Technologies	4	136	38	174	49	44	93	0	0	0	185	82	267
Total	**28**	**949**	**202**	**1151**	**413**	**161**	**574**	**0**	**0**	**0**	**1362**	**363**	**1725**
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													
Animal Nutrition Management													
Animal Disease Management													
Fisheries Nutrition													
Fisheries Management													
Other													
Total													
Home Science													

Household nutritional security													
Economic empowerment of women													
Drudgery reduction of women													
Other													
Total													
Agricultural Extension													
Capacity Building and Group Dynamics													
Other													
Total													
Grant Total	**28**	**949**	**202**	**1151**	**413**	**161**	**574**	**0**	**0**	**0**	**1362**	**363**	**1725**

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

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

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

Total no of training organized	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	AGR/Q7803	Mushroom Grower (Entrepreneur) (Ver-2.0)	8	0	0	0	0	29	1	29	1	30	2,72,830.00

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized																
Kisan Mela participated	1	50	0	50	13		0	0	0	0		50	0	50	13	
Field Day	9	586	227	813	468		27	6	33	7		613	233	846	475	
Kisan Ghosthi	3	158	3	161	55		9	0	9	2		167	3	170	57	
Exhibition organized																
Participation in exhibition																
Film Show																
Method Demonstrations	2	70	8	78	16		0	0	0	0		70	8	78	16	
Farmers Seminar																
Workshop	3	732	475	1207	651		146	24	170	36		878	499	1377	687	
Group discussion																
Lectures delivered as resource persons	28	1362	363	1725	574		11	3	14	5		1373	366	1739	579	
Advisory Services	5647	4933	714	5647	1452		38	8	46	13		4971	722	5693	1465	
Scientific visit to farmers field	182	716	132	848	261		12	2	14	3		728	134	862	264	
Farmers visit to KVK	2240	1848	392	2240	732		74	24	98	27		1922	416	2338	759	
Diagnostic visits	23	85	4	89	31				0			85	4	89	31	
Exposure visits	3	150	0	150	26		0	0	0	0		150	0	150	26	
Ex-trainees Sammelan																
Soil health Camp																
Animal Health Camp	1	52	2	54	10		0	0	0	0		52	2	54	10	
Agri mobile clinic																
Soil test campaigns	1	0	28	28	16		0	0	0	0		0	28	28	16	
Farm Science Club Conveners meet																
Self Help Group Conveners meetings																
Mahila Mandals Conveners meetings																
Special day celebration																
International wetland day (2nd Feb.)	1	24	2	26	18		0	0	0	0		24	2	26	18	
Sankalp Se Siddhi																
Swatchta Hi Sewa	14	68	24	92	18		0	0	0	0		68	24	92	18	
Celebration of important date	22	385	230	615	268		46	13	59	13		431	243	674	281	
Others																

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	34
Radio talks	1
TV talks	0
Popular articles published	0
Extension Literature	6
Electronic media	12
Any other	0

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Technology Day Celebration on "Mote anaj(ragi, chena, bajra, kodo, makka aadi)" utpadan taknik par prashikshan	1	67	
Technology Day Celebration on "Jalvayu anukul krishi taknikiyon par prashikshan	1	71	
Technology Day Celebration on "Badalte Mausam mein pashuon ki dekhbhal"	1	75	

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	14	2	16	4	0	4	18	2	20
International Women's Day (8th Mar.)	1	0	34	35	0	6	6	0	40	40
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)	1	16	2	18	0	0	0	16	2	18
World Environment Day (5th June)	1	37	91	128	6	0	6	43	91	134
World 'Milk Day'										
International Yoga Day (21st Jun.)	1	17	0	17	0	0	0	17	0	17
Independence Day (15th Aug.)	1	16	2	18	3	0	3	19	2	21
Parthenium Awareness Week	7	36	6	42	7	1	8	43	7	50
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)	1	14	0	14	11	2	13	25	2	27
Mahila Kisan Diwas (15th Oct.)	1	2	36	38	0	3	3	2	39	41
World Food Day (16th Oct.)										
Vigilance Awareness Week	4	16	0	16	0	0	0	16	0	16
National Unity Day (31st Oct.)	1	132	0	132	6	0	6	138	0	138
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)										
World Soil Day (5th Dec.)	1	56	44	100	6	1	7	62	45	107
Kisan Diwas (23rd Dec.)	1	29	13	42	3	0	3	32	13	45
Any other day										

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1.	27-02-2023	Live telecast program of Hon'ble PM on Kisan Samman Nidhi (13th Instalment)	Hon'ble PM	46	13	6	65
2.	18-03-2023	Live telecast of Hon'ble PM on International Millets Conference	Hon'ble PM	153	11	5	169
3.	27-04-2023	Live Telecast Program of Hon'ble PM samman Nidhi Sah Anna Utpadan	Hon'ble PM	53	13	0	66
4.	30-04-2023	Live telecast programme of Hon'ble PM on 100th episode of Mann Ki Baat	Hon'ble PM	63	14	4	81
5.	27-07-2023	Live telecast program of Hon'ble Prime Minister on the occasion of 14th instalment of PM Kisan Samman Nidhi	Hon'ble PM	208	12	14	234
6.	30-09-2023	Launch of Sankalp Saptaah Under the Aspirational Blocks Programme	Hon'ble PM	520	14	12	546
7.	13-10-2023	Farmer's Interaction	Hon'ble AM, Govt. of Bihar	15	10	0	25

8.	15-11-2023	Live telecast program of Hon'ble PM for Release of 15th Instalment of PM-KISAN Samman Nidhi	Hon'ble PM	70	12	7	89
9.	09-12-2023	Live telecast program of Hon'ble PM	Hon'ble PM	20	13	0	33

3.5 a. Production and supply of Technological products

A. Seed production at seed village

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

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals							
Madua	RAU (T/L)	2.45	10725				
Paddy	R. Sweta (C/S)	73.06	32898				
	S. Sampann (C/S)	16.40	68880				
Wheat	DBW-187 (F/S)	48.20	231360				
	HD- 2967	4.91	22095				
Oil seed							
Pulses							
Gram	Sabour Chana – 1	6.47	74405				
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total		**151.49**	**440363/-**				

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato	Hybrid	740	444				
Brinjal	Shankar	2250	1332				
Chilli	Avatar	555	323				
Onion							
Others							
Broccoli	Fantasy	220	132				
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango							
Guava							
Lime							
Papaya	Red Lady	250	5000				
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		**4015**	**7231**				

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

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

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows	Sahiwal cross	2					
Buffaloes							
Calves							
Others (Pl. specify)							
Milk		936.25 lit	37450				
Small ruminants							
Sheep							
Goat	Black Bengal	34	117024				
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							

Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total			**154474**				

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.
1	Mini kit	2

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
285		285

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

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

d. Details of World Soil Day Celebration

Sl. No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1.	1	0	100	-	-	107

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

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

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

1. Name of Seed Hub Centre:

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

2. Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2023						
Summer/Spring 2023						

3. 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				
2023				

4. Infrastructure Development

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

3.6 PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS & RECOGNITION

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

S. No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper		

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Seminar/conference/ symposia papers			
Books			
Book Chapter			
Popular articles			
success story			
Bulletins	1. Krishak Sandesh, July 2023 ISSN 2320-6950 2. Mote anaj kheti, 3. Mushroom utpadan se aay Srijan 4. Badlte Mausam mein masoor ki unnat kheti 5. Badlte Mausam mein chana ki unnat kheti	1000 1000 1000 1000 1000	1000 1000 1000 1000 1000
Agro-advisory bulletins			
Extension Folders	6. Krishak Samachar (Oct.-Dec. 2023) 7. Puaal se navachar	1000 1000	1000 1000
Technical reports	Annual Action Plan 2023		
	Annual Report 2022		
	24th Extension Education Council		
	25th Extension Education Council		
	15th SAC meeting Report		
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel and designation	Name of course/training program attended	Date and Duration	Organizer/Venue
1.	Dr. Ashok Kumar, SMS(E.E.)	Ist International Extension Education Congress-2023	18-20 Dec. 2023 (3 Days)	SEE, Agro at RATI, Jaipur, Rajasthan.
2.	Dr. Ashok Kumar, SMS(E.E.)	21 Days National training cum refresher course	1-21 Jan 2024	By Virtual mode

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

Type of attachment	No of student trained	No of days stayed
RAWE	32	180 days

E. Awards/Recognition

Institutional Award received by KVK

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

Award received by KVK Scientists

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

Award received by Farmers

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1.	Millionaire farmer of India (National level)	Sri Rajesh Kumar Singh	Vill. -Etahari, P.O. - Sagahi, Dist. – Gaya, Pin - 824205	8674829456	6701 1702 9843	Certificate & Award	Outstanding performance in Mushroom production	
2.	Millionaire farmer of India (State level)	Sri Prabhat Kumar	Vill.-Badgaon P.O. - Badgaon, Dist. – Gaya, Pin - 824235	9635975077	5149 3253 5018	Certificate & Award	Outstanding performance in Mushroom production and value addition	
3.	Innovative farmer award-2023	Srinivas Kumar	Vill.-Bagdaha, P.O- Bagdaha, Dist. – Gaya, Pin - 823004	9135739179	41083398 0905	Certificate & Award	To adopt latest technology by ICAR	BAU, Sabour

3.7. TECHNOLOGY DEVLOPMENT

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

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

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

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

Give details of by the farmer (if Any)

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

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	PRA	To know the available resources and area of interest for training & demonstration
2.	Barcode based Form using Survey Heart App	To identify people needed training with area of interest

4. IMPACT

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

Name of specific technology/skill transferred/training	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Goat farming	169	16	2200/Goat	2650/Goat
Mushroom production	132	22	80/kg	140/kg

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
Mushroom production technology	KVK, Manpur, Gaya has been playing a key role in dissemination of various types of mushroom production technologies through trainings, FLD, OFT and various extension activities. In 2006, only oyster mushroom was cultivated by some 105 farmers and in 2023, more than 4500 farmers are engaged in different types of mushroom production with an estimated annual production of 3000 q. Presently 3 FPOs, and 125 SHGs are involved in mushroom production and marketing. Three spawn production units with a capacity of 1.5 tons/year and 3 compost production units with a capacity of 11000 tons/year were are also established to cater to the needs of farmers. Some of the entrepreneurs are producing value added products such as mushroom powder, dry mushroom and poultry feed and they are selling it in local market.

Give information in the same format as in case studies

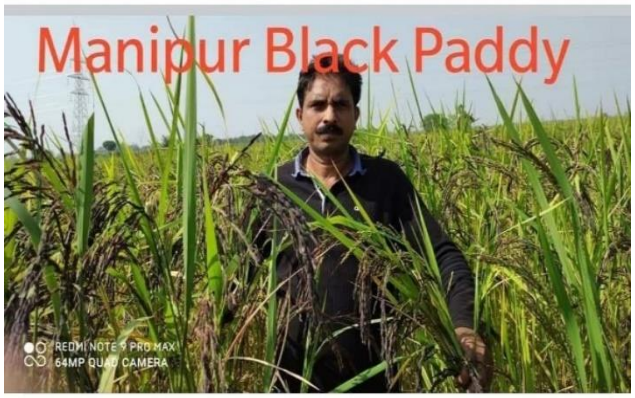
4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1.	Impact assessment of FLD on yield & economics of Button mushroom	Created awareness among farmers/farm women/ Rural youths to take the enterprise on commercial basis leading to interference their socio-economic status	Increase in the knowledge of mushroom production, tech. resulting in higher yield.

4.4. Details of entrepreneurship development

Entrepreneur -1 **Ashish Kumar Singh**

Entrepreneurship development	
Name of the enterprise	Cultivation of black rice
Name & complete address of the entrepreneur	Ashish Kumar Singh Gulariyachak, Neemchak, Tekari , Gaya Mobile No.- 7004230374 Age-42 Education- B. Tech. (Mechanical) MBA (Marketing) Size of land holding – 16 ha
Role of KVK with quantitative data support:	Training & technical know how
Timeline of the entrepreneurship development	➢ Started cultivation of black rice (Manipur black rice) in 2019 in 1 acre area. ➢ Area under black rice in the district in 2022 increased to 125 acres.
Technical Components of the Enterprise	Testing the suitability of agro-climatic conditions for cultivation of black rice.
Status of entrepreneur before and after the enterprise	➢ Black rice is sold as seed and rice. ➢ Net annual income increased from Rs. 2,95,990/- to Rs. 9,41,225/-
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	He produces black rice as seed and sells it to the farmers of nearby villages and also uses the seed for his own farm. The labour is available in the village. Till now this enterprise is giving gross return of Rs. 63000/acre.
Horizontal spread of enterprise	Presently, 140 farmers are producing black rice in about 125 acres of land.




प्रोफेसर की नौकरी छोड़ काला चावल उगा रहे

खेतीबारी

शेरघाटी | निज संवाददाता

आमतौर पर खेती किसानी के धंधे को घाटे का सौदा समझने वाले खेतिहरों के लिए इंजीनियर आशीष कुमार दांगी आदर्श बन गए हैं।

उन्होंने परम्परागत फसलों का उत्पादन छोड़कर शेरघाटी के रतनपुरा गांव में खेती-बुआई के बगैर बंजर पड़ी जमीन में फल और औषधीय गुणों वाले पौधे उगाने का काम शुरू किया है। खेती को मुनाफे का धंधा बनाने को लेकर आत्मविश्वास से भरे इंजीनियर ने इससे पूर्व चाल-चौकन और मोटी कमाई वाली

शेरघाटी के रतनपुरा गांव में रोपी जा रही काले धान की फसल • हिन्दुस्तान

गया शहर के बेस्ट चर्च रोड में रहने वाले इंजीनियर आशीष कुमार ने बताया कि रतनपुरा गांव में उन्होंने दो साल पूर्व दो एकड़ पुश्तैनी जमीन में एप्पल बेर और आम का बाग लगाया था। चालीस

नौकरी छोड़कर अपने घर आए

की आमदनी हुई। एक साल में ही बैर के फल आने शुरू हो गए थे, जबकि आम की फसल आने में अभी एक साल की देर है।

आत्मनिर्भर

- शेरघाटी के रतनपुरा में बंजर पड़ी जमीन पर लाह हरियाली
- खेती को घाटे का सौदा समझने वाले किसानों के बने आदर्श

इंजीनियर ने कहा कि खेती का उन्हें बचपन से शौक था। उन्होंने इसी हफ्ते एक एकड़ खेत में काला चावल उगाने के लिए बुआई कराई है।

तीन महीने में आने वाली इस फसल में बहुत कम मात्रा में पानी की जरूरत होती है। आमतौर पर मणिपुर में उगाए जाने वाले काले धान का बीज उन्होंने

औषधीय गुणों के कारण खाया जाता है।

4.5. 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

Piyush Raj

Name of farmer	Piyush Raj
Address & Contact details (Phone, mobile, email Id)	Vill.- Meyari (Tarwan) Wazirganj, Gaya 8409992659
Assets (Landholding (in ha.)/Livestock)	0.8 ha / Livestock - 02
Name and description of the farm/ enterprise	Swadesh: The Mushroom Era
Achievement of the farmers	After passed 12th, he was looking for job then suddenly at a college programme, the announcement of mushroom farming training in which they talked about doing mushroom as a business. Which has clicked in his mind, for this purpose, he got training at KVK, Manpur, Gaya and taking a proper valuable guidance. After taking training from KVK, Gaya he started an Enterprise Swadesh: The Mushroom Era. There were some challenges, He created a mushroom farm of 7000 Sqft. area for its production. Now a day, production became 100 Kg of Button Mushroom and 125 Kg of Oyster Mushroom. This farm is totally based on seasonal cultivation. In this year, he also looking forward for better mushroom processing products like – Shake, Biscuits, Pickle, Soup and Powder etc.
KVK intervention (planning & Implementation)	Training and regular guidance
Impact (Economic/ Social/Environmental)	Presently in Swadesh: The Mushroom Era, 10 persons are directly employed who doing well job and 100 persons are indirectly employed which has generated employment. Created a Model of for doing in organized business of mushroom for new entrepreneur.
Outcome (Horizontal/ Vertical spread)	200 farmers benefitted from his enterprise. Making Good quality of compost through mushroom spent

GROW YOUR OWN – READY TO GROW MUSHROOM KITS

Canned mushroom and dry oyster mushroom

MUSHROOM HUT

SABOUR AGRI INCUBATORS

(R-ABI Project sponsored by Ministry of Agriculture & Farmers Welfare, Govt. of India, New Delhi under RKVY-RAFTAAR)

Directorate of Research

Bihar Agricultural University, Sabour, Bhagalpur, Bihar - 813210

Certificate

Certified that **Sri Piyush Raj, S/o Ajay Saw** resident of **Near Post Office, Tarwan, Wazirganj, Gaya, Bihar** from **Swadesh Agro Solution Pvt. Ltd.** has successfully completed the two month residential programme **SABUMANG (Agripreneurship Orientation Programme (AOP III): Idea to Prototype)** organized by Sabour Agri Incubators (SABAGRIs) from **14th December, 2020 to 11th February, 2021** at Bihar Agricultural University, Sabour, Bhagalpur under RKVY RAFTAAR.

Wish and hope this endeavour will help him/her in paving the way to become a successful entrepreneur.

(S.M. Rahaman) Co-PI, SABAGRIs | (M.K. Wadhwani) PI, SABAGRIs | (I.S. Solanki) Director Research

बिहार कृषि प्रबंधन एंव प्रसार प्रशिक्षण संस्थान (बामेती)

जगदेव पथ, फुलवारी रोड, पटना - 800 014, बिहार

Bihar Agriculture Management & Extension Training Institute (BAMETI)

Jagdeo Path, Phulwari Road, Patna - 800 014, Bihar

प्रशस्ति-पत्र

प्रमाण-पत्र संख्याः 07/बी0 एस0 डी0 एम0/2022-23 दिनांकः-25/08/2022

प्रमाणित किया जाता है कि श्री/श्रीमती पियुश राज पिता/पति का नाम- अजय साव ग्रामण्ड- बजीरगंज जिला- गया (बिहार) के द्वारा बिहार कौशल विकास मिशन योजना अन्तर्गत कृषि विज्ञान केन्द्र, गया से मशरूम उत्पादन विषय पर वर्ष 2018 - 2019 में प्रशिक्षण प्राप्त किया हैं, जो प्रशिक्षणोपरान्त संबंधित क्षेत्र में स्वरोजगार कर रहे हैं। आज दिनांक 25 अगस्त, 2022 को बामेती परिसर, पटना में "Strengthening of Ex-trainees of Skill Development Training Programme" विषय पर एक दिवसीय सेमिनार-सह-प्रशिक्षण कार्यक्रम का आयोजन किया गया, जिसमें इन्हें कुशल एवं उत्कृष्ट कार्य करने के लिए सम्मानित किया जाता हैं।

कार्यक्रम संयोजक | निदेशक बामेती

National Symposium on

Trends & Innovations In Mushroom Production Technologies, Diversification, Processing And Consumption

31st January to 02nd February 2019

This Certificate is presented to

Mr. Piyush Raj

in appreciation for his/her participation in National Symposium on Trends & Innovations in Mushroom Production Technologies, Diversification, Processing and Consumption held at HAIC Agro R&D Centre, Murthal(Haryana)

Dr Ajay Singh, Organizing Secretary | Jagdish Chander, IFS, Convener

National Academy of RUDSETI

Sponsors: SIDBI Trust, SyndicateBank & Canara Bank

2nd Floor, Chitrapur Bhavan, 8th Main, 15th Cross, Malleshwaram, Bangaluru-560 055

No : BH/01/2020/029

Date: 06.01.2020

Certified DST Trainer

Mr/Ms. PIYUSH RAJ S/o AJAY SAW

has been certified to work as a Domain Skill Trainer in MUSHROOM CUL.

under the AGRICUL. Sector, for undertaking training at Rural Self Employment Training Institutes (RSETIs).

For National Academy of RUDSETI | Subject Matter Expert

AWARDS

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

S. No.	Name of organization	Nature of linkage
1.	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.	Agricultural 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. Details of Externally funded project & Programmes during 2023 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

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

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

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Organized **Workshop** on "Jalwayu Parivartan ke paripeksha mein Mote anaj ki kheti"	To organize Workshop	17-06-2023	BAU, Sabour	3,98,553.00
Workshop on possibility of agricultural diversification in Magadh pramandal	To organize Workshop	30-09-2023	BAU, Sabour	2,93,217.00

6. PERFORMANCE INDICATORS

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety /breed	Produce	Qty	Cost of inputs	Gross income	
1.	Goatry	2015	39	Black Bengal	Goat	16		117024.00	
2.	Vermi-compost unit	2019	5.6						
3.	Azolla unit	2019	9.3						
4.	Biochar unit	2021	125		Biochar	20 q	80000		
5.	IFS	2023	40	Sahiwal cross	Milk	936.25		37450.00	
	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	
Moong	29-03-23	June-July	3.4	Samrat	T/L	2.4	20000	50000	
				Varsha	F/S	1.4			
				RKT	F/S	0.95			
Ragi	04-08-23	Nov.	0.15	Bakula	T/L	1.5	5000	9000	
Bajra		15-11-23		RAU-8					
Paddy	13-07-23	01-10-23	2.4	R.Sweta	C/S	146.90	100000	680000	
Paddy	13-07-23	15-11-23	0.25	S. Shreya	T/L	7.85	15000	310000	

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	16		117024.00	

6.5. Performance of Automatic Weather Station in KVK

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

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
January	25	5	
August	18	4	
September	15	1	
December	50	4	
Total:	**108**	**14**	

(For whole of the year)

6.7 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 April 2023
	Kharif	Rabi	Kharif	Rabi	
Mustard		64800.00		1,07,317.00	(-) 42517.00

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2023
	Kharif	Rabi	Kharif	Rabi	
Pigeon pea	39600.00		1,45,369.00		(-) 1,05,769.00
Lentil		39600.00		1,58,493.00	(-) 1,18,893.00
Chick pea		39600.00		1,70,945.00	(-) 1,31,345.00
Green gram		39600.00		1,79,033.00	(-) 1,39,433.00
Technology Agent		13200.00		54,171.00	(-) 40971.00

7.4. Utilization of KVK funds during the year 2022-23 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,33,17,023.00	1,33,17,023.00	1,29,92,028.00
2	Traveling allowances	1,38,662.00	1,38,662.00	1,38,662.00
	HRD	10,000.00	10,000.00	10,000.00
3	Contingencies			
A	Stationary	10,81,338.00	10,81,338.00	10,81,338.00
B	POL			
C	Training	4,25,000.00	4,25,000.00	4,24,949.00
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	1,25,000.00	1,25,000.00
TOTAL (A)		**1,50,97,023.00**	**1,50,97,023.00**	**1,47,71,977.00**
B. Non-Recurring Contingencies				
1	SCSP Capital	2,00,000.00	2,00,000.00	1,99,962.00
TOTAL (B)		**2,00,000.00**	**2,00,000.00**	**1,99,962.00**
C. REVOLVING FUND		0.00	0.00	0.00
GRAND TOTAL (A+B+C)		**1,52,97,023.00**	**1,52,97,023.00**	**1,49,71,939.00**

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)
2021	22,91,388.85	13,68,168.00	6,93,863.00	29,65,686.85
2022	29,65,686.85	17,28,203.00	7,10,387.00	39,83,502.85
2023	39,83,502.85	11,60,347.00	8,35,722.00	43,08,127.85

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	11	Kharif	ATMA	Yes	
Rabi Maha Abhiyaan	9	Rabi	ATMA	Yes	

7.8 Revenue generation

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

7.9 Resource Generation

Sl. No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	RAWE	Institute and village attachment of RAWE students	Participants	**2,22,000.00**	-
2.	Sponsored Training programme of SSB	Capacity development of rural youth	SSB	**95,760.00**	-

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

8.3. Nehru Yuva Kendra (NYK) Training

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

8.4. PPV & FR Sensitization training Programme

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

8.5. KVK Portal and Mobile App

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

8.6 Details of KVK Portal :

No. of Events added by KVK	**No. of Facilities added by KVK**	**No. of filled Report on Package of Practices**				**No. of filled Profile Report**							
		Crop	Horticulture	Livestock	Fisheries	Employees	Posts	Finance	Soil Health Cards	Appliances	Crops	Resources	Fish
232	4	5	0	0	0	1	1	0	0	0	0	0	0

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

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop	2	2	2	16974
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others	1	1	1	8487
8.	Total	3	3	3	25461

8.8 Kisan Sarathi

Name of KVK	**No. of Farmers Registered on Portal**
Krishi Vigyan Kendra, Manpur, Gaya	6597

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.10.2023	1	10	27	0	37
16.10.2023	1	12	24	6	42
17.10.2023	1	10	24	2	36
18.10.2023	1	12	24	4	40
19.10.2023	1	11	24	2	37
20.10.2023	1	13	23	0	36
26.10.2023	1	11	30	0	41
30.10.2023	1	12	26	0	38
31.10.2023	2	13	72	6	91

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
17-12-2023	1	12	11	0	23
18-12-2023	1	10	5	0	15
19-12-2023	1	11	32	0	43
20-12-2023	1	13	136	0	149
23-12-2023	1	11	378	2	391
27-12-2023	1	12	156	0	168

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

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

8.10. 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		

8.11 . Vikisit Bharat Sanklap Yatra (LLB and ULB)

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1.	78	93	23724	109

8.12. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK

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

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
17-06-2023	Sri Kumar Sarvajeet	Agri. Minister, Gov. of Bihar	He emphasized to increase the area of millets in the district. He also appreciated the initiative of mal-nutrition eradication programme of KVK.
30-09-2023	Sri Kumar Sarvajeet	Agri. Minister, Gov. of Bihar	He advised to include more areas in Community Radio Station programme.

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

Date	**Name of the person**	**Purpose of visit**
27-07-2023	Dr. Prem Kumar, MLA, Gaya Town, Bihar	Live telecast program of Hon'ble Prime Minister on the occasion of 14th instalment of PM Kisan Samman Nidhi
08-09-2023	Sri Sanjay Agrawal, Agri. Secretary, Govt. of Bihar	Visit of Agriculture Secretary, Govt. of Bihar

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

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

- Year:
- Introduction / General Information:

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

11.2 Details of Tribal Sub Plan (TSP) NA

a. Achievements of physical output under TSP

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 2023-24 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2023

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

d. Location and Beneficiary Details during 2023

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

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	9	263
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		12	299
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		48	19680
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.)	

Frontline Demonstrations:

Crop	Name of the technology demonstrated	Area (ha)	No. of Farmers		
			M	F	T
Paddy	R. Sweta	10	8	17	25
	Sabour Sampann	25	32	28	60
Pigeon pea	IPA – 203	10	18	22	40
Vegetables	Brinjal seedlings	2220	1	36	37
	Tomato seedlings	740			
	Chili seedlings	555			
	Broccoli seedlings	220			
Lentil	IPL – 316	10	18	32	40
Chickpea	Sabour Chana – 1	10	33	33	66
Wheat	HD - 2967	5	22	3	25
Goat	Black Bengal	7	0	7	7
Sewing Machine		24 Nos.	0	24	24

11.4. NICRA (Technology Demonstration component) NA

a. Natural Resource Management

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

b. Crop Management / Production

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

c. Livestock and fisheries

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

d. Institutional interventions

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

e. Capacity building

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

f. Extension activities

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

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

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

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

S. N.	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Manpur Agriculture Farmers Producer Company Limited	U01400BR2021PTC053362 Dtd.- 05-08-2021		Production and marketing	Mushroom, Pulses, Paddy & Wheat	355	355000/-	
2.	Khizersarai Agriculture Farmers Producer Company Limited	U01100BR2022PTC056147 Dtd.- 28-01-2022		Production and marketing	Peas, Mustard & Pulses	306	169000/-	
3.	Bathani Agriculture Farmers Producer Company Limited	U01100BR2022PTC055837 Dtd.- 16-10-2022		Production and marketing	Seed & fertilizer	391	271000/-	
4.	Atri Farmers Producer Organization Self-Supporting Co-Operative Society Ltd.	BR020101W0G062023 Dtd.- 04-05-2023		Production and marketing	Pulses, Mustard, Paddy & Wheat	300	66000/-	
5.	Belaganj Women FPO Self-Supporting Co-Operative Society Ltd.	BR020101W0G052023 Dtd.- 04-05-2023		Production and marketing	Pulses, Mustard, Paddy & Wheat	300	60860/-	

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

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
1	5850 sqm	-	39	9	308		

b. Details of OFT/FLD

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

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Sondhi	Backyard/Kitchen Garden	39	5850	39
	Lakhanpur	Kitchen garden	40	6000	40
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL			**79**	**11850**	

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

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Sondhi	Awareness program for eradication of malnutrition through kitchen garden	4	105
	Benefits of kitchen garden	2	42

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Sondhi	PRA conducted	1	36
	Workshop on eradication of malnutrition	1	63
	Health checkup camp	1	62

h. Details of recipe contest (if applicable)

No of events organized	Date of the programme	Name of location/village	No. of participants
1	30-08-2023	Lakhanpur	40
2	16-11-2023	Bhare	31
3	06-12-2023	Dhibar	28

11.7 Attracting and Retaining Youth in Agriculture (ARYA) NA

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

11.8 Out-scaling of Natural Farming

S.No	**Name of Activity**	**No. of activities**	**No. of beneficiaries**
1.	Awareness programme		
2.	Training programme		
3.	Demonstrations		

a. Overall achievements

b. Details of Training programmes

S.No	**Name of training programme**	**Date**	**Location/Venue**	**No. of beneficiaries**

c. Details of Awareness programmes

S.No	**Name of Activity**	**Date**	**Location/Venue**	**No. of beneficiaries**

d. Details of Demonstrations

S.No	**Name of Crop**	**Location of Demo.**	**Area of Demo.**

11.9 District Agro Meteorological Unit (DAMU)

S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication
1	24	12	11	1368	6625	0

11.10 KSHAMTA

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

11.11 Agri-Drone

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

11.12 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1.	Cow-goat-Agriculture	1.0	Milk-936.25		37450	1	

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.								

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

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

11.14 Any other programme organized by KVK, not covered above

a) Natural Farming & Eradication of malnutrition

Particulars	Awareness Programme		Capacity Building (Training)	
	No. of Programme	No. of Beneficiary	No. of Programme	No. of Beneficiary
Natural Farming	10	588	2	36
Eradication of Malnutrition	8	267	-	-
Millet Promotion	12	1533	3	128
Total	**30**	**2388**	**5**	**164**

b) Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
Training on Organic fertilizer production technology	08-11.08.2023	18
Training on Income generation through goat farming	05-08.12.2023	28
Training on Income generation through goat farming	13-16.12.2023	28

c) Community Radio Station

S.N.	Months	No. of programmes	broadcast hour	
			hh	mm
1	October	768	138	30
2	November	814	146	25
3	December	867	158	40
Total		**2449**	**443**	**35**

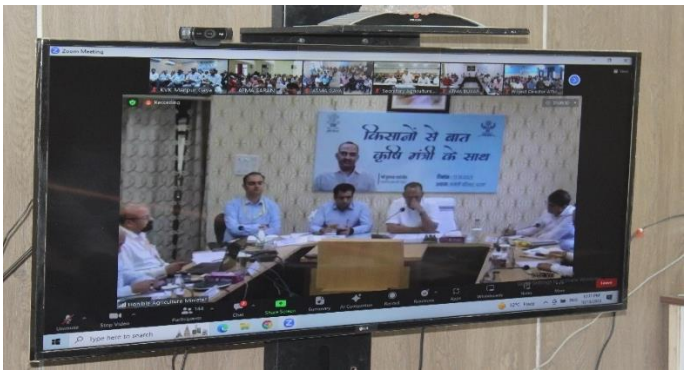
12 **Action photographs**

Inauguration of Community Radio Station

Workshop on Crop Diversification in Magadh Pramandal

Live telecast of Hon'ble PM on the occasion of 14th PM Kisan Sammman Nidhi

Live telecast of Hon'ble PM on the occasion of 14th PM Kisan Sammman Nidhi



Live Telecast of Agri. Minister Govt. of Bihar

Live Telecast of Hon'ble PM on Vikshit Sankalp Bharat Yatra 09 Dec 2023

Live Telecast Program of Hon'ble PM for Release of 15th Instalment of PM-KISAN

Live Telecast Program of Hon'ble PM samman Nidhi Sah Anna Utpadan 27-04-2023

Live Telecast Programme of Hon'ble PM & Inauguration of the Global Millets Conference

Eradication of Malnutrition

World soil Day

World Environment Day

OFT-NUE in Rice

OFT-SHC

FLD Ragi

FLD Mushroom