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

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Ara Road, Bikramganj, Rohtas	06185-222800	--	rohtaskvk@gmail.com www.rohtas.kvk4.in www.kvk.icar.gov.in

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	
Bihar Agricultural University, Sabour, Bhagalpur	0641-2452611	0641-2452604	deebausabour@gmail.com www.bausabour.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Shobha Rani		9431479522	shobhakuar@gmail.com

1.4. Year of sanction of KVK with council order No. and date: **F.No. 8(1)/2002 –AE-II(pt.), February 9, 2004**

1.5. Year of start of KVK: 2004

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	Dr. Shobha Rani	Sr. Scientist & Head	Home Sc.	Level-13 A P.Basic 166400		Permanent	Others
2.	Subject Matter Specialist	Mr. Rabindra Kumar Jalaj	SMS	Fishery Sc.	Level-11 P.Basic 89900	10.06.2009	Permanent	SC
3.	Subject Matter Specialist	Dr. Ratan Kumar	SMS	Horticulture	Level-10 P.Basic 75400	17.04.2012	Permanent	Others
4.	Subject Matter Specialist	Dr. Rama Kant Singh	SMS	Soil Sc.	Level-10 P.Basic 75400	14.04.2012	Permanent	Others
5.	Subject Matter Specialist	Vacant	-	-	-	-	-	
6.	Subject Matter Specialist	Vacant	-	-	-	-	-	
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	
8.	Programme Assistant	Mr. Praween Kumar Patel	P.A. Lab	Agriculture	Level-6 P.Basic 49000	06.11.2012	Permanent	Others
9.	Computer Programmer	Mr. Harendra Pd. Sharma	P.A. Computer	Computer Sc.	Level-6 P.Basic 47600	17.05.2013	Permanent	OBC
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Mr. Abhishek Kaushal	Assistant	Accounts	Level-6 P.Basic 47600	26.04.2013	Permanent	SC
12.	Stenographer	Mr. Subesh Kumar	Stenographer	-	Level-4 P.Basic 34300	22.06.2013	Permanent	OBC
13.	Driver	Mr. Rakesh Kumar	Driver	-	Level-3 P.Basic 28400	15.05.2015	Permanent	SC
14.	Driver	Mr. Navin Kumar Paswan	Driver	-	Level-3 P.Basic 28400	19.05.2015	Permanent	SC
15.	Supporting staff	Vacant						
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	0.13	
2.	Under Demonstration Units	1.70	
3.	Under Crops	7.00	
4.	Orchard	0.40	
5.	Agro-forestry	0	
6.	Others with details	0.77	
	Total	10.00	

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					√			ICAR
2.	Farmers Hostel					√			ICAR
3.	Staff Quarters (6)					√			
4.	Piggery unit	√							
5	Fencing	√							
6	Rain Water harvesting structure	√							ICAR
7	Threshing floor					√			ICAR
8	Farm godown					√			
9.	Dairy unit					√			
10.	Poultry unit					√			
11.	Goatry unit					√			
12.	Mushroom Lab					√			ICAR
13.	Mushroom production unit					√			R/F
14.	Shade house					√			ICAR
15.	Soil test Lab					√			ICAR
16	Vermi Compost Unit								ICAR
17	Fruit & Vegetable processing unit								ICAR
18	IFS								State Govt

19	Shade house (Big)					√			NHM
20	Polyhouse					√			NHM
21	Medicinal Plants demo unit					√			State Govt.
22	Long term field experiment unit					√			State Govt.

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Jeep (Bolero)	2017	4,40,526.00	176383	Working
Motorcycle (Hero Passion)	2015	59,452/-	32424	Working
Motorcycle (Honda Neo)	2015	59,600/-	29910	Working
Tractor Mahindra	2012		2457 Hour	Working
Tractor New Holland	2021	9,41,151/-	820 Hour	Working
Harvester	2021		949 Hour	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
PP cap sealing	2012	9550/-	Working	ICAR
Crown corking	2012	4950/-	Working	ICAR
Mixture/grinder	2012	9000/-	Working	ICAR
Lug cap sealer	2012	8900/-	Working	ICAR
Pulper	2012	16500/-	Working	ICAR
Fruit mill	2012	16500/-	Working	ICAR
Drying oven	2012	74500/-	Working	ICAR
Vacuum Bottle filling	2012	24500/-	Working	ICAR
Vegetable juicer	2012	19500/-	Working	ICAR
Auto clave	2012	62000/-	Working	ICAR
Refr. meter	2012	4400/-	Working	ICAR
Thermometer	2012	880/-	Working	ICAR
Elec. Top pan balance	2012	9975/-	Working	ICAR
Contour TS Blood Glucos	2013	1645/-	Working	ICAR
Sphygmomanometer	2013	1100/-	Working	ICAR
Stethoscope	2013	400/-	Working	ICAR
Weighing Machine Digital	2014	2730/-	Working	ICAR

Staturemeter	2014	551.25	Working	ICAR
Weighing SCL Libra	2014	1099.38	Working	ICAR
Heamo Meter Square	2014	731.86	Working	ICAR
Heamo Meter Round	2014	539.72	Working	ICAR
Chips Cutter	2014	495/-	Working	ICAR
Paddle Operated Potato Peeler & Slicer	2014	32480/-	Working	ICAR
PP Cap sealing	2012	9550/-	Working	ICAR
Crown corking	2012	4950/-	Working	ICAR
Mixture –Grinder	2012	9000/-	Working	ICAR
Lug Cap Sealer	2012	8900/-	Working	ICAR
Pulper	2012	16500/-	Working	ICAR
Fruit Mill	2012	16500/-	Working	ICAR
Drying Oven	2012	74500/-	Working	ICAR
Vacuum Bottle Filling	2012	24500/-	Working	ICAR
Vegetable Juicer	2012	19500/-	Working	ICAR
Auto Clave (02 No.)	2012	60000/-	Working	ICAR
Refr. Meter	2012	4400/-	Working	ICAR
Thermometer	2012	880/-	Working	ICAR
Elec. Top Pan Balance	2012	9975/-	Working	ICAR
Laminar Flow	2012	60,000/-	Working	ICAR
Refrigerator	2012	20,000/-	Good	ICAR
Rack (2 Nos)	2012	6000/-	Good	ICAR
BOD Incubator	2012	70000/-	Working	ICAR
b. Farm machinery				
Tractor	2014-15	5,65,000.00	working	ICAR
Paddy transplanter	2011-12	-	working	RKVY (State Govt.)
Reaper (Self propelled)	2013-14	1,00,000	Working	ICAR
Rubber Holler Rice Mill	2012-13	2,17,615.00	working	PHT, State Govt.
Vermicompost Shieving Machine	2022-23	45,000	Working	Revolving fund
c. AV Aids				
Camera 16 mega pixel	2007	33,738/-	Not Working	ICAR
Colour printer Epson All in One	2019	16284/-	Not Working	ICAR
UPS Zebronics 1KVA (5 Nos.)	2019	23495/-	Not Working	ICAR

Portable HDD	2019	12157/-	Working	ICAR
Desktop Computer -Lenovo V530	2019	31950/-	Working	ICAR
HP 1020 Plus Printer	2021	13800/-	Working	ICAR
HP Neverstop 2-in-1 printer	2021	20200/-	Working	ICAR
Acer All in One	2022		Working	State Govt.
HP Inktank Wireless printer	2022		Working	State Govt.
UPS Zebronics 1 KVK (2 Nos.)	2021	10000/-	Working	ICAR
HP All in One	2021	53300/-	Working	ICAR
Acer All in One	2022		Working	State Govt.
Smart Board	2023	1,00,000/-	Working	State Govt.

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Straw Baler	2012-13	8,60,000.00	working	PHT, State Govt.
Zero till drill (2 piece)	2007	44,720/-	Not working	ICAR
Reaper (Tractor operated)	2012-13	-	Not Working	RKVY (State Govt.)
Thresher	2012-13	-	Working	RKVY (State Govt.)
Disc harrow	2012-13	-	Working	RKVY (State Govt.)
Portable Power Sprayer	2019	11200/-	Working	ICAR
Paddy Thresher & Agrimax Rice-Wheat seeder	2021	194720/-	Working	RKVY (State Govt.)
Self propelled Vertical conveyer reaper And weeder Ridger-BCS	2021	784960/-	Working	CRAP (State Govt.)
Tractor Trolley	2021	179200/-	Working	CRAP (State Govt.)
Multi Crop Planter	2021	88019/-	Working	CRAP (State Govt.)
Laser Land Leveller	2021	305000/-	Working	CRAP (State Govt.)
Raised Bed Planter	2021	99000/-	Working	CRAP (State Govt.)
Tractor New Holland 6500 2WD	2021	941151/-	Working	CRAP (State Govt.)
Happy Seeder	2021	145000/-	Working	CRAP (State Govt.)
CLAAS COMBINE harvestor with AMC	2021	2759532/-	Working	CRAP (State Govt.)
Straw Baler with AMC	2021	1238980/-	Working	CRAP (State Govt.)

High Speed Hay Rack Shaktiman	2021	379724/-	Working	CRAP (State Govt.)
Tractor Mounted Sprayer	2021	193520/-	Working	CRAP (State Govt.)
Paddy Drum Seeder	2021	13000/-	Working	CRAP (State Govt.)

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
16.01.2024	36	10	Stated below	Attached	

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

Salient Recommendations of 13th SAC-Meeting held on 26th August, 2022

S.No.	Recommendation	Action Taken
1.	Instruction was given to send the soft copy of video of Safarnama prepared by KVK Rohtas to media center BAU, Sabour for further editing	Soft copy of video has been sent to the Media Center, Bihar Agricultural University, Sabour, and Bhagalpur.
2.	Monthly meeting should be organized in the KVK and its information should be given to the Dean cum Principal, VKSCoA, Dumraon	Regularly followed (meeting is organized on 25th of every month)
3.	Krishi Vigyan Kendra should develop some farmer as master trainers by giving them seven-day training in fish farming so that they can help other fish farmers of the district.	The 01 seven days training was done by the Krishi Vigyan Kendra from 18.09.2023 to 25.09.2023, in which a total of 28 farmers participated. 04 master trainers have been developed.

4.	Work should be done by KVK to popularize bio fortified varieties of crops.	Bio fortified seed of wheat and lentil has been demonstrated under different programs.
5.	Work should be done on milletby Krishi Vigyan Kendra.	Demonstration on Ragi and Barnyard millet has been done in 25 acre and 10 acres respectively and training organized on value addition
6.	Focus should be given on Natural Farming by KVK	Training, Awareness program and Demonstration are being conducted as per the target.
7.	Availability of seeds should be ensured under the Rabi Crop Scheme Program 2022-23.	Required quantity of Rabi seeds has been procured timely under different programs.
8.	A monitoring team by VKSCoA, Dumraon should be formed for nutrient deficiency, plant diseases and pest control for Rohtas district.	**-**
9.	Kisan Mela, exposure visit and training work plan should be made with the help of Krishi Vigyan Kendra, Rohtas and Project Director, ATMA.	01 Kisan Mela on 13-14, Oct. 2022, has been organized at KVK, Rohtas by ATMA. 02 visit of DAESI program has been done. 03 training program of ATMA on mushroom production has been done in joint collaboration.
10.	Farmers can also get training and information from KVK, Aurangabad.	Many farmers of Dehri subdivision have been receiving training and other information from KVK, Aurangabad.
11.	It was suggested by Assistant Director, Plant Protection, Rohtas that in collaboration with KVK, Rohtas, a committee should be formed for Fall Armyworm pest and a joint field visit should be done.	KVK, Rohtas and Assistant Director, Plant Protection, Joint Committee of Rohtas was made on May 13, 2023 and the related report was made available to the DAO.
12.	Farmer told that the distance of KVK from Tilouthu, Rohtas & Chenari block is 70 kilometers. Many people here are deprived of KVK benefits. There is a need for one more Krishi Vigyan Kendra in the district.	The district requires another Krishi Vigyan Kendra.
13.	Detailed information On Farm Trial should be submitted including techniques and results, table etc.	A total of 7 On Farm Trial was done during the reported period.

Proceedings of the 14th Scientific Advisory Committee Meeting of the KVK, Rohtas (Bikramganj), held on 16.01.2023

The 14th Scientific Advisory Committee Meeting of the KVK, Rohtas (Bikramganj), was organized on 16.01.2023. The meeting was chaired by Dr. R. K. Sohane, Director of Extension Education, BAU, Sabour (Bhagalpur). Dr. Mukesh Kumar Sinha, Principal, Veer Kunwar Singh Agriculture College, Dumraon graced the occasion. The detail list of members present in the meeting is annexed separately.

The recommendations of meeting are as given below:

1. Biofortified variety of seeds should be demonstrated among farm families after conducting training and awareness program.
2. PD, ATMA, Rohtas will organize remaining Farmer-scientist interaction program at the KVK, Bikramganj before 31st March.
3. KVK should encourage the progressive farmer to apply for IARI innovative farmer award.
4. KVK should nominate five new farmersfor award in Kisan Mela BAU, Sabour.
5. A training session will be conducted for all members of the KVK promoted FPO.
6. The RAWE students should learn and prepare mushroom spawn, bags and vegetable/fruit saplings.
8. 4 years data on all technologiesof CRA should be compiled.
9. The positive outcome of the OFT on guava in the KVK should taken up for FLD after 2nd year result. The OFT technology should also be disseminated widely by Assistant Director, Horticulture, Rohtas.
10. The improved variety of different crops released by BAU,Sabour should be promoted by KVK.
11. All line department officers are advised to visit villages of climate-resilient agriculture program.
12. Conduct a district-level Field Day under Climate-Resilient Agriculture, inviting all sub-divisional and district-level agricultural officers.
13. SAO, Sasaram was advised to take the help of service provider for availability of Laser Land leveler.
14. The officer in charge of the Botanical Research Center, Dhanagai, suggested to cultivate Sesame crop and Kulthi in areas affected by wild animals.
15. The KVK, Rohtas will send a copy of training calendar (03 months) to the line departments officials.
16. Millet crop should be promoted in coordination with the JEEVIKA SHGs.
17. A list of technologies should be prepared by In-charge Scientists of IRS, BRU & AICRP as per the soil and agro climatic condition of different block of Rohtas district and given to KVK, Rohtas for publication and wide distribution among farmers.
18. Biochar sample has to be sent to BAU, Sabour at the earliest.

List of Members participating in 14th Scientific Advisory Committee Meeting held on 16.01.2024

1	Dr. R. K. Sohane	Director Extension Education, BAU, Sabour	Chairman
2	Dr. M. K. Sinha	Dean, V.K.S.College of Agriculture, Dumraon, Buxar	Member
3	Dr. Shobha Rani	Sr. Scientist & Head, Bikramganj	Member

4	Mr. Rabindra Kumar Jalaj	SMS, Fishery, Bikramganj	Member
5	Dr. Rama Kant Singh	SMS, Soil Sc., Bikramganj	Member
6	Dr. Ratan Kumar	SMS, Horticulture, Bikramganj	Member
7	Dr. K.K. Prasad	O/I BRU & AICRIP-Rice, Dhangain	Member
8	Dr. Binod Kumar	O/I IRS, Bikramganj	Member
9	Sri. Sunil Kumar	DDM, NABARD, Rohtas, Sasaram	Member
10	Mr. Indrajeet Kumar	Assistant Director (Agronomy)- Farm, Rohtas	Member
11	Mr. Madhurendra Kr. Singh	SAO, Bikramganj	Member
12	Mrs. Sambhawana	SAO, Sasaram	Member
13	Mrs. Pratima Kumari	SAO, Dehri	Member
14	Mrs. Priyanka Mehta	Fishery Development Officer, Rohtas	Member
15	Mrs. Pinki Das	Assistant Director, Plant Protection	Member
16	Mrs. Rakhi Kumari	Assistant Director Horticulture, Rohtas	Member
17	Mr. Deepak Kumar	Assistant Director, Agri. Engg.	Member
18	Sri Amit Kumar	Station Director, AIR, Sasaram	Member
19	Dr. Akash Deep	T.V.O Bikramganj	Member
20	Mrs. Sonali	Jeevika, Sasaram	Member
21	Sri Prasant Kumar	ATM, Bikramganj	Member
22	Mr. Rajeev Ranjan	CSISA	Member
23	Sri Suresh Kumar	Secretary Amresh Seva Sansthan (NGO representative)	Member
	Nominated Farmers		
24	Sri Alakhdeo Rai	Farmers' Representative	Member
25	Sri Ram Naresh Pandey	Farmers' Representative	Member
26	Sri Bhikhari Rai	Farmers' Representative	Member
27	Sri Sunil Kumar	Farmers' Representative	Member
28	Sri. Deendayal Singh	Farmers' Representative	Member

29	Smt. Priyadarshini Kumari	Women's Farmer	Member
30	Smt. Indu Devi	Women's Farmer	Member
31	Sri Arjun Singh	Vegetable production	Member
32	Sri Dhananjay Kr. Singh	Vermicompost	Member

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

Sl. No.	Items	Information
1	Major Farming system of the district	Agriculture, Animal Husbandary, Fishery & Poultry
2	One district one product (NITI Ayog)	III-B Middle Gangetic Plain Region (IV)
2	Agro-climatic Zone	Northern Plain, Hot Subhumib (Dry) Eco sub region (9.2)
3	Agro ecological situation	
4	Soil type	Old alluvial
5	Productivity of major crops of districts	
	Paddy	4241
	Wheat	2351
	Pulse (Green gram, Lentil)	1050, 2000
	Oilseed	1220
	Veg. (name)	1230
	Fruit (Mango, Guava)	500, 800
	Others	
	Enterprises	
6	Mean yearly temperature, rainfall, humidity of the district	Tempr. Max 44.2 Min-7.0 , Rainfall-854 mm, Humidity 95-62
7	Production of major livestock products like, , etc.	
	milk	2.5 thousand ton
	egg	-
	meat	4.8 ton
	Fish	10 thousand ton

Note: Please give recent data only

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

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1		Sanjhauli	Masona	Vegetables	Quality of vegetable seed is not available	Varietal evaluation
2		Dawath	Derhgaon	Cereals	Farmers' adopted late duration variety of rice so sowing of rabi crops becomes late	Rice-wheat cropping system
3		Tilouthu	Madaripur	Poultry & Fisheries	Farmers could not adopted crop rotation	Adoption of Crop rotation
4		Suryapura	Surhuriya	Pulses & Cereals	Crop residue management is the main problem	Crop residue management
5		Karakat	Malpura	Fisheries	Crop intensity is very low due alluvial soil	Increase of productivity
6		Bikramganj	Bishuniya Bal	Kitchen Garden, Biofortified seed	Malnutrition village	Eradication of malnutrition

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
Surhuriya	Suryapura	Adoption of 5 years Climate Resilient Agriculture program, OFT, FLD, Seed Hub, Fish farming and implementation of CFLD program
Derhgaon	Dawath	
Parsa Manpur	Bikramganj	Adoption of 5 years Climate Resilient Agriculture program, Fish farming and implementation of CFLD program.
Matuli	Bikramganj	Adoption of 5 years Climate Resilient Agriculture program
Babhani	Karahgar	Adoption of 5 years Climate Resilient Agriculture program, FLD, Seed Hub, Fish farming and implementation of CFLD program.

2.1 Priority thrust areas of KVKs

S. No	Thrust area
1.	Increase in vegetable and fruit area
2.	Increase in fishery area

3.	IFS
4.	Pulses & Cereals area expansion
5.	Area expansion of medicinal plant
6.	Dairy technology and value addition
7.	Mushroom production
8.	Food processing
9.	Marketing linkages
10.	Formation of FPOs
11.	Custom hiring centres
12.	Skill development through mass media and Internet tools
13.	Fish fingerlings and poultry

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: 21												No. of technologies demonstrated: 13										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
7	7		4	0	0	0		2	53	6	59	15	13	150	11	28	1	1	89	61	101	90	191

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
150	150		809	295	188	21	2148	578	3115	910	4028	25	24	1000	181	50	15	6	625	234	821	290	1111

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
50	59	5	21	1	0	20	12	26	33	59	45	49	7	2	1	0	28	11	36	13	49

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Wheat (HD-2967)	50		Cauliflower (S.Agrim)	0.2000	0.2000
Wheat (DBW 187)	40		Tomato (K.Vishesh)	0.4230	0.4230
Paddy (Sabour Sampan)	60		Brinjal (Sabour Sadabahar)	0.1250	0.1250
Paddy (MTU-7029)	163.2		Chilli (Pusa Jwala)	0.1010	0.1010
Paddy (BPT-5204)	49.6		Mango (Amrapali, Jardalu, Alfanso)	0.0800	0.0800
Paddy (Sabour Heera)	33		Guava (Allabahd Safeda)	0.0005	0.0005
Paddy (R.Sweta)	30		Lime (Kagaji)	0.0005	0.0005
Paddy (CG Devbhog)	6		Papaya (Red lady)	0.0421	0.0421
Linseed (Sabour Tisi-1)	0.5		Banana (G-9)	0.0001	0.0001

Chick pea (GNG 2299)	15				
Green gram (Virat)	8				
Green gram (Sikha)	1				
Potato (Kufari Kyati)	23				

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		**Soil, water, plant, manures samples tested (in lakh)**	
Target	Achievement	Target	Achievement
15000	15000	1500	1557

* 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	3	30
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			
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**	**2**	**20**
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	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management	**6**	**2**	**14**
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**6**	**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			
	Total	**0**	**0**	**0**
E	**Technologies assessed under various enterprises for women empowerment**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	**0**	**0**	**0**

3.2.2 OFT

OFT-1 (Horticulture) (Rabi 2023-24)

- **Thematic area: Disease Management**
- **Problem definition/Name of OFT: Wilting in tomato plants, Plant growth retardation**

1.	Title of On farm Trial	Assessment of microbial consortia against wilting in solanaceous crops (Tomato).
2.	Problem diagnosed	Wilting in tomato plants, Plant growth retardation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bengaluru
5.	Production system and thematic area	Disease management
6.	Treatment	FP :Chemical pesticides (Carbendazim). T. O-1: IIHR Consortia (Arka microbial consortia). T.O-2: NRC Litchi consortia.
7.	Performance of the Technology with performance indicators	
8.	Final recommendation for micro level situation	It shows that T.O.1- IIHR Consortia (Arka microbial consortia) net return 142500 and BC ratio 3.31 is better than other two treatments F.P.- Chemical pesticides (Carbendazim) net return 110400 and BC ratio 2.87 & T.O-2: NRC Litchi consortia net return 134700 and BC ratio 3.19. It is found that T.O.-1 and T.O-2 is significant par but there is significant difference in farmers practice from T.O.-1 and T.O-2.
9.	Constraints identified and feedback for research	Consortia is not available easily for farmers
10	Process of farmers participation and their reaction	Random selection

Table-1: Initial plant population in nursery (per 100 seed)

Technology option	10 days	15 days	20 days	30 days
FP :Chemical pesticides (Carbendazim).	91	86	82	80
T. O-1: IIHR Consortia (Arka microbial consortia).	95	93	91	90
T.O-2: NRC Litchi consortia.	93	90	88	87

Initial plant population in nursery observed in 100 seed was recorded after 10 days, 15 days, 20 days and 30 days and highest plant population was found in T.O.-1 : IIHR Consortia.

Table-2: Initial plant population (100 Sqm.=210 plants)

Technology option	15 days	30 days
FP :Chemical pesticides (Carbendazim).	200	190
T. O-1: IIHR Consortia (Arka microbial consortia).	206	202
T.O-2: NRC Litchi consortia.	204	196

First wilting incidence was found after 8 days of transplanting.

Table-3: Wilting incidence in plant population (Days after transplanting)

Technology option	15 days	30 days	45 days	60 days	75 days
FP :Chemical pesticides (Carbendazim).	200	190	180	160	150
T. O-1: IIHR Consortia (Arka microbial consortia).	206	202	196	188	194

T.O-2: NRC Litchi consortia.	204	196	190	183	180

No. of plant population found highest in T.O.-1

Table-4: Wilting percentage

Technology option	15 days	30 days	45 days	60 days	75 days
FP :Chemical pesticides (Carbendazim).	5.8	9.6	14.3	23.82	28.61
T. O-1: IIHR Consortia (Arka microbial consortia).	2.0	3.4	6.7	10.5	12.4
T.O-2: NRC Litchi consortia.	2.9	6.7	9.6	12.8	14.3

Wilting percentage observed after 15 days, 30 days, 45 days, 60 days and 75 days and highest wilting percentage was found in farmers practices i.e. Chemical pesticides (Carbendazim).

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

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Yield (q/ha)**	**Cost of cultivation (Rs./ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
		Proposed	**Actual**					
Disease management	FP :Chemical pesticides (Carbendazim).			282	58800	169200	110400	2.87
	T. O-1: IIHR Consortia (Arka microbial consortia).			340	61500	204000	142500	3.31
	T.O-2: NRC Litchi consortia.			327	61500	196200	134700	3.19

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

CD at 5% level of significance- 20.12 and CV- 7.74%.

Results: It shows that T.O.1 IIHR Consortia had better performance than other two options in terms of wilting after 75 days (12.4%) yield (340 q/ha) & BC ratio (3.31), however performance of NRC consortia TO2 was at par (14.3 %, 327 q/ha & 3.19). FP (28.61 %, 282 q/ha & 2.87).

OFT-2 (Horticulture) (Zaid 2022-23)

1.	**Title of On farm Trial**	**Assessment of fruit bagging in guava for quality improvement.**
2.	Problem diagnosed	Guava quality decreased due to insect & fungal infestation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	University of Agriculture Science, Dharwad
5.	Production system and thematic area	Rice-Wheat / Disease management
6.	Performance of the Technology with performance indicators	FP- No bagging T.O.1- Perforated polythene bag cover T.O.2- Paper bagging
7.	Final recommendation for micro level situation	In T.O.1 – disease incidence 7.4%, fruit fly damage 3.93%, physical damage 7.69% and BC ratio is observed 8.91. In T.O.2 disease incidence 7.6%, fruit fly damage 5.71%, physical damage 7.88% and BC ratio is observed 4.73 whereas no bagging disease incidence 92.4%, fruit fly damage 96.02%, and physical damage 93.94% and BC ratio is observed 3.9. It is observed that T.O.1 Perforated polythene bag bag cover is better option for bagging of fruit bagging for quality improvement.
8.	Constraints identified and feedback for research	Bagging is not a common practice for guava fruit
9.	Process of farmers participation and their reaction	Random selection

Thematic area: Disease Management

Problem definition: Guava quality decreased due to insect & fungal infestation.

Technology assessed: Assessed

Table -1: Diseases infestation percentage

Technology Option	**Fruit Fly damaged %**	**Diseases incidence%**	**Physical damaged (%)**	**Fruit Wt. loss%**
Farmers Practice: - No bagging	96.02	92.4	93.94	4.18
TO1 :Perforated polythene bag	3.93	7.6	7.69	3.76
TO2 :Paper bagging	5.71	7.6	7.88	2.72

Table-2: Yield and Economics

Treatment	**Yield (Kg/Acre)**	**Cost of Cultivation (Rs)**	**Gross Income (Rs)**	**Net Income (Rs)**	**BC Ratio**
Farmers Practice (FP- No bagging	2572.6	13070	51456	38386	3.9
TO1 :Perforated polythene bag	6444.8	21686	193344	171658	8.91
TO2 :Paper bagging	6444.8	40856	193344	160488	4.73
CD (P=0.05)	0.63	29.26	42.38	34.37	ND

Result: In T.O.1 – disease incidence 7.4%, fruit fly damage 3.93%, physical damage 7.69% and BC ratio is observed 8.91. In T.O.2 disease incidence 7.6%, fruit fly damage 5.71%, physical damage 7.88% and BC ratio is observed 4.73 whereas no bagging disease incidence 92.4%, fruit fly damage 96.02%, physical damage 93.94% and BC ratio is observed 3.9.
It is observed that T.O.1 Perforated polythene bag bag cover is better option for bagging of fruit bagging for quality improvement.

OFT-3 (Soil Science) (Rabi 2022-23)

- **Thematic area: INM**
- **Problem definition/Name of OFT:** Low production

1.	Title of On farm Trial (OFT)	**Improvement of Nitrogen use efficiency in wheat**
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop 2022-23
5.	Production system and thematic area	Paddy-Wheat
6.	Treatment Option	**Farmer Practice**: (120:60:40) Kg/ha **Technological Option 1**: 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS). **Technological Option 2**: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water.
7.	Performance of the Technology with performance indicators	Plot size (10x10 m_2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m_2,1000 grain wt., Panicle wt., Straw yield and Economics.
8.	Final recommendation for micro level situation	The physico-chemical analysis of experimental soil revealed no significant differences in pH, OC, and K content among treatments, but variations in ECe, N, and P were observed. Additionally, the impact of different treatments
9.	Constraints identified and feedback for research	Farmers is used excessive used of fertilizer without any recommendation
10.	Process of farmers participation and their reaction	Kisan goshthi, Training

Table 1. Physico-chemical Properties of experimental soil (Treatment wise):

Treatments	Parameters					
	pH (1:2.5)	ECe (d Sm^{-1})	OC (%)	N	P	K
				(Kg $ha^{-1)}$		

	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
FP	6.48	6.52	0.13	0.14	0.43	0.43	179.32	179.32	30.12	29.67	187.54	282.93
TO_1	6.48	6.44	0.13	0.16	0.43	0.42	179.32	172.15	30.12	28.53	187.54	245.73
TO_2	6.48	6.44	0.13	0.18	0.43	0.43	179.32	175.01	30.12	26.44	187.54	240.55
CD (P=0.005)	NS	0.02	NS	0.01	NS	0.02	NS	1.08	NS	0.86	NS	2.48

Table 2: Effect of different treatment on performance of wheat

Treatment	Plant Height (cm)				Tillers (m2)				Dry matter accumulation (g plant-1)	Ear length (cm)	Number of grains ear head-1	Test weight (g)	Grain yield (q ha-1)	Straw yield (q ha-1)	Biological yield (q ha-1)	HI (%)
	30 DAS	60 DAS	90 DAS	At harvesting stage	30 DAS	60 DAS	90 DAS	At harvesting stage								
FP	31.12	69.25	90.37	86.24	182.25	299.35	375.45	342.15	21.28	9.20	25.22	38.45	40.48	33.18	73.66	0.45
TO_1	33.85	71.25	91.38	89.21	202.55	310.25	380.50	352.25	22.48	9.68	25.95	39.50	40.44	36.11	76.55	0.47
TO2	36.28	76.27	94.20	91.87	220.45	332.82	392.10	372.40	23.28	10.06	26.85	41.25	46.20	41.25	87.44	0.47
CD (P=0.005)	1.05	2.02	1.21	0.87	3.02	3.44	4.25	4.12	0.02	0.85	0.02	0.01	1.03	0.04	0.11	NS

Table 3: Effect of different treatment on economics of wheat

Technology options with Treatment	Cost of Cultivation (Rs)	Gross Income (Rs)	Net Income (Rs)	BC Ratio
Farmer Practice: RDF (100:40:20) Kg/ha	31500	74552	43052	2.37
Technological Option 1: 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at 35 DAS).	31110	80770	49660	2.60
Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water.	31450	92266	60816	2.93
CD (P=0.005)	8.52	7.77	5.26	0.01

Result: The physico-chemical analysis of experimental soil revealed no significant differences in pH, OC, and K content among treatments, but variations in ECe, N, and P were observed. Additionally, the impact of different treatments

OFT-4 (Soil Science) (Rabi 2022-23)

- **Thematic area: INM**
- **Problem definition/Name of OFT:** No uses of liquid bio-fertilizers and deficit of soil properties

1.	Title of On farm Trial (OFT)	**Integration of fertilizer in different form on yield of lentil**
2.	Problem diagnosed	No uses of liquid bio-fertilizers and deficit of soil properties
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop 2022-23
5.	Production system and thematic area	Paddy-Wheat/Pulse
6.	Treatment Option	**Farmer Practice**: Seed Treatment (Carbendazim)+ RDF (20:40:0) **Technological Option 1**:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) **Technological Option 2**: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)
7.	Performance of the Technology with performance indicators	Plot size (10x10 m^2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m^2,1000 grain wt., Panicle wt., Straw yield and Economics.
8.	Final recommendation for micro level situation	Technology Option TO2 is better than other two option.
9.	Constraints identified and feedback for research	Farmers is not used irrigation in lentil as a common practice
10.	Process of farmers participation and their reaction	Kisan goshthi, Training

Table 1. Physico-chemical Properties of experimental soil (Treatment wise):

Treatments	Parameters											
	pH (1:2.5)		ECe (d Sm^{-1})		OC (%)		N		P		K	
							(Kg $ha^{-1)}$					
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
FP	6.58	6.56	0.12	0.11	0.48	0.44	216.27	198.25	33.15	33.03	185.97	181.26
TO_1	6.58	6.59	0.12	0.14	0.48	0.50	216.27	225.28	33.15	32.34	185.97	197.03
TO_2	6.58	6.60	0.12	0.19	0.48	0.51	216.27	225.79	33.15	33.46	185.97	198.37
CD (P=0.05)	NS	0.03	NS	0.01	NS	0.05	NS	4.02	NS	0.25	NS	4.85

Table 2: Effect of different treatment on performance of lentil

Technology options with Treatment	Plant Height (cm)	Primary branches / Plant	pods/ plant	1000 seed weight (g)	yield (q ha^{-1})	stalk yield (q ha^{-1})	biological yield (q ha^{-1})	harvest index (%)
Farmers Practice (0:30:0 :: N:P:K with no uses of liquid bio-fertilizers)	25.07	1.97	25.02	21.10	10.05	35.36	46.26	0.28
TO1 : RDF [20:50:0] (80% of N) + 1.0 l/ha Liquid Rhizobium	32.37	2.32	33.38	21.58	11.35	42.58	55.91	0.27
TO2 : RDF [20:50:0] (80% of N+ 80 % P) + 1.0 l /ha Liquid Rhizobium + 1.0 l/ha Liquid PSB)	32.73	2.85	39.37	21.59	12.71	46.02	59.85	0.28
CD (P=0.05)	0.29	0.06	0.24	0.17	0.83	1.09	1.14	0.03

Table 3: Effect of different treatment on economics of lentil

Treatment	Cost of Cultivation (Rs)	Gross Income (Rs)	Net Income (Rs)	BC Ratio
Farmers Practice (0:30:0 :: N:P:K with no uses of liquid bio-fertilizers)	29400	55680	26280	1.89

TO1 : RDF [20:50:0] (80% of N) + 1.0 l/ha Liquid Rhizobium	30150	66480	36330	2.20
TO2 : RDF [20:50:0] (80% of N+ 80 % P) + 1.0 l /ha Liquid Rhizobium + 1.0 l/ha Liquid PSB)	30500	74160	43660	2.43
CD (P=0.05)	59.34	72.38	64.37	ND

Result: The experiment assessed various treatments' impact on lentil performance and economic outcomes. Technological Option 2 (TO2) exhibited substantial improvements in plant height, primary branches, pods per plant, and overall seed yield compared to Farmers Practice and Technological Option 1 (TO1). The addition of Liquid PSB to TO2 demonstrated positive effects, emphasizing the benefits of combining bio-fertilizers. Economic analysis revealed that both TO1 and TO2 outperformed Farmers Practice, with TO2, incorporating Liquid PSB, demonstrating the highest gross income, net income, and benefit-cost ratio. Statistical significance, as indicated by Critical Difference (CD) values at 5 per cent, underlined the observed differences in key economic parameters, reinforcing the economic advantages of the technological interventions. The CD at 5 % indicate that, except for ECe and P content in TO2, there were no significant differences in the measured parameters among the treatments.

OFT-5 (Soil Science) (Kharif – 2023)

- **Thematic area: INM**
- **Problem definition/Name of OFT:** Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation

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)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop 2022-23
5.	Production system and thematic area	Paddy-Wheat
6.	Treatment Option	**Farmer Practice**: RDF (100:40:20) Kg/ha **Technological Option 1**:50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).

		Technological Option 2: 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
7.	Performance of the Technology with performance indicators	Plot size (10 x10 m^2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m_2,1000 grain weight, Panicle weight, Grain and Straw yield and Economics.
8.	Final recommendation for micro level situation	It is evident from the table that TO_2 exhibits the highest grain yield (54.01 qt/ha), followed by TO1 (50.20 qt/ha), as compared to Farmer Practices (FP) with a yield of 49.76 qt/ha. Regarding straw yield, FP achieved the highest yield (60.71 qt/ha), followed by TO_2 (60.49 qt/ha) and TO_1 (56.22 qt/ha).
9.	Constraints identified and feedback for research	Farmers are not used nano urea in Paddy Crop.
10.	Process of farmers participation and their reaction	Kisan gosthi, Training

Table 1. Physico-chemical Properties of experimental soil (Treatment wise):

Treatments	**Parameters**											
	pH (1:2.5)		**ECe (d Sm^{-1})**		**OC (%)**		**N**		**P**		**K**	
							(Kg $ha^{-1)}$					
	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final	Initial	Final
FP	6.71	6.73	0.21	0.30	0.51	0.51	214.53	216.88	37.63	37.13	167.60	174.06
TO_1	6.71	6.70	0.21	0.35	0.51	0.52	214.53	208.27	37.63	38.06	167.60	185.25
TO_2	6.71	6.70	0.21	0.33	0.51	0.52	214.53	211.35	37.63	38.45	167.60	188.50
CD (P=0.05)	NS	NS	NS	NS	NS	NS	NS	1.02	NS	0.03	NS	2.46

Table 2: Effect of nano urea fertilization on growth attributes of rice

Treatments	Plant height (cm)	No of Tiller Per Plant	Ear bearing Tillers per plant	Panicle length (cm)	Filled grains /panicle	Effective tillers (m^{-2})	Test weight (g)	Lodging (%)
FP	135.05	16.85	14.58	24.05	149.25	208.11	16.02	8.02
TO_1	128.36	13.65	12.37	24.33	152.38	204.35	16.12	02.03
TO_2	130.25	13.25	12.05	25.25	162.15	206.25	16.25	02.81
CD (p=0.05)	1.14	0.25	0.03	0.01	0.28	1.37	0.06	0.07

Table 3: Effect of **nano urea fertilization** on yield of rice

Treatments	Grain yield (qt ha^{-1})	Straw yield (qt ha^{-1})	Harvest Index (%)	Cost of cultivation (Rs ha^{-1})	Gross Return (Rs ha^{-1})	Net Return (Rs ha^{-1})	BC ratio
FP	49.76	60.71	0.45	114545	39600	74945	2.89
TO_1	50.20	56.22	0.47	115049	39300	75749	2.93
TO_2	54.01	60.49	0.47	123794	39700	84094	3.12
CD (p=0.05)	1.22	0.35	NS	4.28	11.65	14.31	0.05

Result: It is evident from the table that TO_2 exhibits the highest grain yield (54.01 qt/ha), followed by TO1 (50.20 qt/ha), as compared to Farmer Practices (FP) with a yield of 49.76 qt/ha. Regarding straw yield, FP achieved the highest yield (60.71 qt/ha), followed by TO_2 (60.49 qt/ha) and TO_1 (56.22 qt/ha). The maximum cost of cultivation was observed with FP, followed by TO_2 and TO_1. Both gross return and net return were highest for TO_2, followed by TO_1 and FP. The benefit-cost ratio was also highest for TO_2 (3.12), indicating superior economic feasibility, likely attributed to lower lodging and well-filled grains in panicles.

It is clear that treatment TO_2 generally performed well across multiple parameters, showing higher grain yield, straw yield, net return, and benefit-cost ratio compared to other treatments. The significance levels provided by the critical difference (CD) test indicate where differences between treatments are statistically significant.

OFT-6 (Fishery Science)

- **Thematic area: Intensive Fish Culture**
- **Problem definition/Name of OFT:** High feed cost in intensive farming of pangas culture

1.	Title of On farm Trial (OFT)	Assessment of different feeding strategies of alternate daily ration in Pangassius fish farming.
2.	Problem diagnosed	High feed cost in intensive farming of pangas culture
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFA, Bhubneswar
5.	Production system and thematic area	Intensive fish culture
6.	Treatment Options	**F.P:-** Daily feeding @ 5% body weight with 30% protein feed (formulated). **T.O-1:-** Alternate feeding schedule (5H/ 1L, 5 days high ration @ 5% body weight followed by 1 day low ration @ 2.5% body weight with 30% protein). **T.O-2:-**Alternate feeding schedule (6H/ 1L, 6 days high ration @ 5% body weight followed by 1 day low ration @ 2.5% body weight with 30% protein).
7.	Performance of the Technology with performance indicators	Yield, BC ratio, Gross cost, Gross profit, Net profit
8.	Final recommendation for micro level situation	Feeding of fish can be reduced to half on every 7^{th} day without affecting their growth
9.	Constraints identified and feedback for research	Labour cost
10.	Process of farmers participation and their reaction	Random selection

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

In spite of reducing the feed quantity periodically, there was no significant effect on gained body weight. Both feeding schedule (reduction at 6th day as in TO2 & at 7th day as in TO3) in 31ubstantia fish farming outperform the FP in terms of B:C (TO2:1.70 & TO3:1.71 as compared to FP:1.59). The reduced feeding schedule gave 31ubstantial net return of Rs. 5.36 lakh (TO2) & 5.34 lakh (TO2) per acre as compared to Rs. 4.83 lakh in FP.

Treatments	**Yield (q/acre)**	**Cost of Cultivation (Rs acre^{-1})**	**Gross Income (Rs acre^{-1})**	**Net Income (Rs acre^{-1})**	**B C ratio**
TO1 (FP)	123.14	810000	1293025	483024.6	1.59
TO_2	122.95	755000	1291032	536031.7	1.70
TO_3	122.54	752000	1286714	534714.1	1.71

OFT-7 (Fishery Science)

- **Thematic area:** Intensive fish culture
- **Problem definition/Name of OFT:** High feed cost in intensive farming of pangas culture
-

1.	Title of On farm Trial (OFT)	Assessment of growth and survivality of Pangassius fish species through feed probiotic addition in formulated feed.
2.	Problem diagnosed	High feed cost in intensive farming of pangas culture
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Assessed
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIFA, Bhubneswar
5.	Production system and thematic area	Intensive fish culture
6.	Treatment Options	Formulated fish feeding daily @ 2-3 % body weight of stocked fish without any feed probiotic TO1: Formulated fish feeding @ 2-3 % body weight of stocked fish + 0.2 % probiotic inclusion TO2: Formulated fish feeding @ 2-3 % body weight of stocked fish + 0.5 % probiotic inclusion.
6.	Performance of the Technology with performance indicators	Yield, BC ratio, Gross cost, Gross profit, Net profit
7.	Final recommendation for micro level situation	Probiotic inclusion @ 0.5% is best for fish feeding in Pangas culture.
8.	Constraints identified and feedback for research	Mixing feed probiotic each time in feed
9.	Process of farmers participation and their reaction	Random selection

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

The inclusion of probiotic in feed @ 0.5% (TO2) shows best BC ratio (1.79). The fish yield is found to be 116.7 qt/acre in TO2, 99.24 qt/acre in TO1 and 76.67 qt/acre in the farmers practice.

Treatments	weight gm (I0 30 days)	weight gm (If)	weight gain gm (150 days)	Yield (kg acre^{-1})
FP	11.8	386.2	374.4	7667.71
TO_1	11.8	496.4	484.6	9924.60
TO_2	11.8	582.0	570.2	11677.70

Treatments	Cost of Cultivation (Rs acre^{-1})	Gross Income (Rs acre^{-1})	Net Income (Rs acre^{-1})	B C ratio
FP	6,80,000	8,81,786.65	2,01,786.65	1.29
TO_1	7,60,000	11,41,329.00	3,81,329.00	1.50
TO_2	7,70,000	13,42,935.50	5,72,935.50	1.74

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS(FLD)

A. Overall achievements of FLDs conducted during the year 2023

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% Change in yield	B.C ratio
					Demonstration	Check		
Papaya(Red Lady)	Production management	Plant	15	1.0	2100	1600	31.25	6.15
Wheat (Bio fortified)	Crop Production	BHU 31	5	2	36.25	41.2	-12.01	2.34
		BHU 25	5	2	34.22	41.2	-16.94	2.25
Paddy	INM	Sabour Heera (Azolla +BGA)	10	4	66.58	65.52	1.62	2.85
Lentil/Bio-fertilizers	INM	IPL 220/ Rhizo + PSB	10	04	11.85	10.25	15.61	2.6
Ragi	Crop Production	VLR 326	20	8	16.28	--	--	2.05
Sawa	Crop Production	DHBM-93-3	10	4	13.36	--	--	2.02
Worms	Vermicomposting	Eisenia fetida	30	30	16 q/y	--	--	
Liquid fertilizer (Wheat)	INM (HD 2967)	Nano urea, Nano DAP	10	4	36.45	31.22	16.75	2.45
Cauliflower (Sabour Agrim)	Production management	Seed	20	1.0	216	176	22.73	3.18
Brinjal (Sabour Sadabahar)	Production management	Seed	10	1.0	205	148	38.51	3.76
Poultry	Livestock (90 days)	Chicks (Sonali)	40	-	1.3 kg	0.9 kg	44.44	5.0
Fish	Improved species	Jayanti Rohu	04	1.0	0.97 kg	0.85 Kg	14.12	3.16
Fish	Improved species	Improved Catla	02	0.5	1.11 Kg	0.95 kg	16.84	3.29

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	Crop Production	Biofortified BHU-25	5	2.0	34.22	41.2	-16.94									
Paddy	INM	Sabour Heera (Azolla+BGA)	10	4	66.58	65.52	1.62									
Finger Millet (Ragi)	Crop Production	VLR 326	20	8	16.28	--	--									
Liquid fertilizer (Wheat)	INM (HD 2967)	Nano urea, Nano DAP	10	4	36.45	31.22	16.75									
Total																

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lentil/Biofertilizer	INM	IPL 220/ Rhizo+PSB	10	04	11.85	10.25	15.61								
Total															

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

3. Pulses

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

	Total														

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

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

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauliflower	Prod. Mgmt. tech.	Sabour Agrim	20	0.4	216	176	22.73	78000	248000	170000	3.18	67500	186000	118500	2.75
Brinjal	Crop production	S. Sadabahar	20	0.4	205	148	38.51	75000	282000	207000	3.76	73000	238000	168000	3.26
Papaya	Prod. Mgmt. tech.	Red Lady	40	0.4	2100	1600	31.25	155000	948000	793000	6.15	144000	654000	510000	4.54
	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

5. Other crops

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

	Total																

6. Demonstration details on crop hybrid varieties

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

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
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

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

7. Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Livestock (90 days)	Variety(Chicks (Sonali)	40	40	1.3 kg	0.9 kg	44.44	-	-	160	675	515	4.22	95	216	121	2.27
Rabbitry																	
Piggery																	
Sheep and goat																	

Duckery																	
Others (Pl. specify)																	
Total																	

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

8. Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl. specify)	Improved species	Jayanti Rohu	04	1.0	0.97 kg	0.85 Kg	14.12	-	-	270000	952400	682400	3.53	265000	824600	559600	3.11
	Improved species	Improved Catla	02	0.5	1.11 Kg	0.95 kg	16.84	-	-	270000	1068000	803000	3.96	265000	851200	586200	3.21
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	15	150	1.25	-											
Button mushroom	Enterprise development	40	80	1.5	-											
Vermicompost	Vermi composting	30	30													
Sericulture																

Apiculture																
Others (pl.specify)																
Total																

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

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction	10	Small farm implements (Potato Chips Maker)			10
Drudgery Reduction	27	Small farm implements (Sickle)			27
Drudgery Reduction	30	Small farm implements (power sprayer)			18 SHG
Enterprises	13	Sewing machine			13 SHG
Farming System	1000	Backyard Poultry	0.9 kg	1.3 kg	28
Farming System	350 kg	Chick pea			35
Health and nutrition	5	Biofortified crop varieties (Wheat, BHU-31)	41.2	36.25	5
Health and nutrition	320 kg	Biofortified crop varieties (Lentil)			10
Health and nutrition	84 kg	Mushroom (Milky White)	-	1.25	42
Kitchen Garden	100	Kitchen garden kits			100
Kitchen Garden	45	water cane			45
Nutrigarden	83	Nutrition gardening			83
Storage Technique					
Value addition	02	Mini Dal Mill (SC group Masauna)			20
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition	10	Millets (Sawa)	--	13.16	10
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	04.03.2023	1	44	Importance of millets & its cultivation
		18.04.2023	1	10	Cultivation of millets
		14.08.2023	1	13	Pulse processing
3.	Media coverage		3		
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

1	Chick pea	GNG-2299	12.2	415	466	735	GNG-229 herbicide + Soil testing + Biofertilizer	50	20	17.9	15.4	16.65	33.33	36.05	28.0
2	Field pea	IPF-4-9	13.6	545	629	335	IPF -4-9 + herbicide + Soil testing + Biofertilizer + Insecticide	50	20	17.9	15.4	16.65	37.95	42.05	21.88
3	Lentil	IPL 220	11.8	530	390	400	IPL220+ herbicide + Soil testing + Biofertilizer + Insecticide	50	20	15.4	12.6	14.0	37.0	21.18	-32.56
4	Pigeon pea (Kharif)	NDA 2	11.4	20	-232	280	NDA 2 + herbicide + Soil testing + Biofertilizer+ Insecticide	25	20	18.2	14.2	16.2	7.5	-7.05	-27.76
5	Green gram	Shikha	6.3	10	-85	410	Shikha + herbicide + Soil testing + Biofertilizer+ Insecticide	25	20	9.2	6.6	7.9	29.12	14.02	-46.34
6	Mustard	RH 762	12.00	350	310	800	RH761 herbicide + Soil testing + Sulphur+ Insecticide	75	30	16.6	15.4	16.0	21.8	19.3	-50.0
7	Linseed	Sabour Tisi-1	7.0	85	56	595	Sabour tisi-1 + Soil testing + Rhyzobium biofertilizer + Insecticide	50	20	9.8	8.3	9.05	9.3	6.59	65.7

2. Economic parameters

Sl.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot	Demonstration plot

No.		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	GNG-229 herbicide + Soil testing + Biofertilizer	34000	67221	32721	1.94	36000	1000031.25	64031.25	2.77
2	IPF -4-9 + herbicide + Soil testing + Biofertilizer + Insecticide	33480	65620.5	32140.5	1.95	35200	96296.75	61096.75	2.73
3	IPL220+ herbicide + Soil testing + Biofertilizer + Insecticide	26540	60000	33460	2.26	27540	76200	48660	2.76
4	NDA 2 + herbicide + Soil testing + Biofertilizer+ Insecticide	32600	72450	39850	2.22	35600	90825	55225	2.55
5	Shikha + herbicide + Soil testing + Biofertilizer+ Insecticide	24460	52808.8	28348.8	2.15	26200	63681.2	37481.2	2.43
6	RH761 herbicide + Soil testing + Sulphur+ Insecticide	20780	60600	39820	2.91	21520	80800	59280	3.75
7	Sabour tisi-1 + Soil testing + Rhyzobium biofertilizer + Insecticide	19540	51009	31469	2.61	20000	65947.5	45947.3	3.29

3. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers(Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Chick pea & GNG-2299	33300	30000	5365	3000	300	Personal development & housing strength	02
2.	Field pea & IP-4-9	33300	29000	5375	4000	300	Personal development & housing strength	01
3.	Lentil & IPL 220	28000	25000	6000	2800	200	Personal development & housing strength	02
4.	Pigeon pea (Kharif) & NDA 2	32400	30000	5570	2000	400	Personal development & housing strength	03
5.	Green gram & Shikha	15800	15000	7275	701	100	Personal development & housing strength	02

6.	Mustard & RH 762	49800	49000	5650	700	100	Personal development & housing strength	02
7.	Linseed & Sabour Tisi-1	18100	17000	50000	1000	100	Personal development & housing strength	01

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1	GNG-229 herbicide + Soil testing + Biofertilizer	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds
2	IPF -4-9 + herbicide + Soil testing + Biofertilizer + Insecticide	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds
3	IPL220+ herbicide + Soil testing + Biofertilizer + Insecticide	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds
4	NDA 2 + herbicide + Soil testing +	This variety is suitable for Rohtas in	ATMA, Rohtas, BAGRI &	NSC, BAU, KVK	No	Yes	Timely sanction of funds

	Biofertilizer+ Insecticide	respect of production &productivity.	DSCO, Rohtas				
5	Shikha + herbicide + Soil testing + Biofertilizer+ Insecticide	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds
6	RH761 herbicide + Soil testing + Sulphur+ Insecticide	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds
7	Sabour tisi-1 + Soil testing + Rhyzobium biofertilizer + Insecticide	This variety is suitable for Rohtas in respect of production &productivity.	ATMA, Rohtas, BAGRI & DSCO, Rohtas	NSC, BAU, KVK	No	Yes	Timely sanction of funds

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Resistant to pod borer	High yielding variety	GNG 2299 vs. Chhota Chana	GNG2299 good for Rohtas district & also suitable for late sown condition
Resistant to wilt	High yielding variety	IPF-4-9 vs. Mota Mattar	Suitable for late sown condition
Resistant to sterility	Significant	NDA-2 vs. Lal Arhar	NDA-2 is more profitable than Lal Arhar
More branches	No. of podes 600-625	RH-761 vs. Chhota Sarson	This variety is most suitable for Rohtas

Resistant to wilt	High yielding variety	IPL 220 vs. ChhotaUrd	Suitable for late sown condition
Resistant to wilt	High yielding variety	Shikha vs. Chhota Moong	Suitable for late sown condition
Resistant to wilt	High yielding variety	Sabour Tisi-1 vs. Chhotaki Tisi	Suitable for timely & late sown condition

D. Extension activities under CFLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training on Oilseed	26.10.2022 / KVK	58
2	Training on Oilseed	02.11.2022/ KVK	54
3	Field day on Linseed	10.03.2023 / Lohara	41
4	Field day on Mustard	12.03.2023 / Rupi	43
5	Field day on Linseed	13.03.2023/ Sorathi	43
6	Field day on Linseed	14.03.2023/ Shivpur	56
7	Field day on Mustard	21.03.2023 / Nimidihra	45
8	Field day on Mustard	23.03.2023 / Nuwaon	41
9	Field day on sesame	28..05.2023 / Karserua	26

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

F. Farmers' training photographs

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

H. Details of budget utilization

Crop (Provide crop wise information)	**Items**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Linseed	i) Critical input	90000	61200	-61200
	ii) TA/DA/POL etc. for monitoring	10000	4660	-4660
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**100000**	**65860**	**-65860**

Mustard	i) Critical input	324000	160500	-160500
	ii) TA/DA/POL etc. for monitoring	36000	34540	-34540
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**360000**	**195040**	**-195040**
Lentil	i) Critical input	162000	135000	-135000
	ii) TA/DA/POL etc. for monitoring	18000	5355	-5355
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	**180000**	**140355**	**-140355**





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	2	30	7	37	15	5	20	4	0	4	49	12	61
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	1	50	0	50	10	0	10	0	0	0	60	0	60
Crop Diversification	2	20	6	26	15	5	20	4	0	4	39	11	50
Integrated Farming	1	15	0	15	8	0	8	0	0	0	23	0	23
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	1	15	0	15	9	0	9	2	0	2	26	0	26
Nursery management	1	15	0	15	8	0	8	0	0	0	23	0	23
Integrated Crop Management	1	25	0	25	1	0	1	0	0	0	26	0	26
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	1	31	0	31	2	0	2	0	0	0	31	2	33
Water management	1	18	3	21	4	0	4	1	0	1	22	3	25
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	2	18	8	26	14	2	16	2	0	2	34	10	44
Production of low volume and high value crops	1	14	2	16	3	0	3	1	0	1	18	2	20
Off-season vegetables	2	20	8	28	14	2	16	2	0	2	36	10	46
Nursery raising	2	20	5	25	14	6	20	4	0	4	38	11	49
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	14	3	17	4	0	4	1	0	1	19	3	22
Others, if any (Hydroponic)	1	25	0	25	0	0	0	0	0	0	25	0	25
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits													
Layout and Management of Orchards	1	14	2	16	3	0	3	1	0	1	18	2	20
Cultivation of Fruit	1	15	10	25	0	10	10	0	0	0	15	20	35
Management of young plants/orchards	1	12	5	17	3	0	3	0	0	0	15	5	20
Rejuvenation of old orchards	1	12	5	17	4	0	4	1	0	1	17	5	22
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	14	2	16	3	0	3	1	0	1	18	2	20
Plant propagation techniques	1	10	5	15	14	6	20	4	0	4	28	11	39

Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants													
Nursery Management	1	12	3	15	6	0	6	2	0	2	20	3	23
Management of potted plants	1	13	2	15	4	0	4	5	0	5	22	2	24
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops													
Production and Management technology	1	12	4	16	6	2	8	2	0	2	20	6	26
Processing and value addition	1	12	4	16	8	0	8	0	0	0	20	4	24
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	1	12	4	16	8	0	8	0	0	0	20	4	24
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	1	35	5	40	12	3	15	0	0	0	37	8	45
Soil and Water Conservation	1	22	2	0	4	0	4	0	0	0	26	2	28
Integrated Nutrient Management	2	54	0	54	2	0	2	0	0	0	56	2	58
Production and use of organic inputs	1	18	0	18	8	0	8	0	0	0	26	0	26
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	9	3	12	5	2	7	3	0	3	17	5	22
Nutrient Use Efficiency	1	41	2	43	2	0	2	0	0	0	43	2	45
Soil and Water Testing	2	30	0	30	4	0	4	0	0	0	30	0	30
Others, if any (CRM)	1	17	11	28	12	0	12	0	0	0	29	11	40
IV. Livestock Production and Management													
Dairy Management	2	25	11	36	9	5	14	4	0	4	38	16	54
Poultry Management	1	9	3	12	5	2	7	3	0	3	17	5	22
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0

Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	1	12	3	15	10	2	12	2	0	2	24	5	29
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	2	10	19	29	5	15	20	0	0	0	15	34	49
Design and development of low/minimum cost diet	1	4	11	15	2	10	12	0	0	0	6	21	27
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	5	12	17	5	19	24	0	0	0	10	31	41
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	2	8	11	19	4	15	19	0	0	3	12	29	41
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VII. Plant Protection	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0

Integrated fish farming	1	31	3	34	3	1	4	2	0	2	36	4	40
Carp breeding and hatchery management	1	22	0	22	5	0	5	5	0	5	32	2	34
Carp fry and fingerling rearing	1	15	0	15	9	0	9	5	0	5	29	0	29
Composite fish culture & fish disease	2	17	0	17	8	0	8	4	0	4	29	0	29
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2	25	0	25	16	0	16	2	0	2	43	0	43
Hatchery management and culture of freshwater prawn	2	30	0	30	20	0	20	5	0	5	55	0	55
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming													
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	12	0	12	8	0	8	4	0	4	24	0	24
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	1	11	2	13	8	4	12	0	0	0	19	6	25
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	2	39	6	45	5	10	15	0	0	0	44	16	60
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	1	11	3	14	8	2	10	0	0	0	19	5	24
Production of Fish feed	1	13	0	13	9	0	9	0	0	0	22	0	22
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	2	31	4	35	13	0	13	0	0	0	44	4	48
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI. Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0

Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**68**	**1024**	**199**	**1199**	**381**	**128**	**509**	**76**	**0**	**79**	**1464**	**336**	**1800**

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	3	11	65	76	9	19	35	0	5	5	20	99	119
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	1	33	0	33	4	0	4	0	0	0	37	0	37
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming system	1	15	6	21	4	0	4	5	0	5	24	6	30
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	3	59	11	40	15	8	18	0	1	0	74	20	94
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	14	0	14	5	0	5	3	0	3	22	0	22
Commercial fruit production	1	11	5	16	6	4	10	0	1	1	16	10	26
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	1	20	4	24	2	0	2	0	0	0	22	4	26
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	2	30	32	0	4	4	0	1	1	2	35	37
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	1	16	1	17	10	0	10	0	0	0	26	1	27
Sheep and goat rearing	1	10	6	16	6	4	10	0	0	0	16	10	26
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	1	23	3	26	8	2	10	0	0	0	31	5	36
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	2	53	2	55	10	1	11	0	0	0	63	3	66
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fresh water fisheries	1	23	3	26	1	0	1	1	0	1	25	3	28
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	1	15	2	17	9	2	11	4	1	5	28	5	33

Tailoring and Stitching	1	0	0	0	0	28	28	0	0	0	0	28	28
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Residue management	1	27	0	27	5	0	5	0	0	0	32	0	32
Others (Natural farming)	2	56	8	64	8	0	8	1	0	1	65	8	73
TOTAL	**23**	**388**	**146**	**504**	**102**	**72**	**176**	**14**	**9**	**22**	**503**	**237**	**740**

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

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Productivity enhancement in field crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	18	4	22	3	0	3	0	0	0	21	4	25
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	14	2	16	10	2	12	5	0	5	29	4	33
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	1	27	0	27	1	0	1	0	0	0	28	0	28
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi compost production	1	0	28	28	0	15	15	0	0	0	0	43	43
Kitchen garden	1	0	9	9	0	1	1	0	0	0	0	9	9
Crop Residue management	1	27	0	27	0	0	0	0	0	0	27	0	27
Others (Natural Farming)	1	15	5	20	5	2	7	5	0	5	25	7	32
TOTAL	**6**	**86**	**43**	**129**	**14**	**18**	**32**	**5**	**0**	**5**	**105**	**60**	**165**

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	1	15	2	17	11	0	11	2	0	2	28	2	30
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	2	19	0	19	15	0	15	0	0	0	34	0	34
Crop Diversification	1	14	2	16	13	2	15	2	3	5	29	7	36
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	2	19	0	19	22	0	22	15	0	15	56	0	56
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	19	0	19	11	0	11	0	0	0	30	0	30
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	28	0	28	1	0	1	0	0	0	29	0	29
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	1	15	6	21	8	1	9	1	0	1	24	7	31
Production of low volume and high value crops	1	13	7	20	4	5	9	0	0	0	17	12	29
Off-season vegetables	1	13	2	15	11	0	11	2	0	2	26	2	28
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Organic farming)	1	5	12	17	0	6	6	0	1	1	5	19	24
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits													
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	1	15	6	21	8	1	9	1	0	1	24	7	31
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants													
Nursery Management	1	13	2	15	11	0	11	2	0	2	26	2	28
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0

Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	1	14	2	16	10	2	12	5	0	5	29	4	33
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	1	15	5	20	5	2	7	5	0	5	25	7	32
Post-harvest technology and value addition	1	13	3	16	10	2	12	1	1	2	24	6	30
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	2	22	0	22	13	0	13	0	0	0	35	0	35
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	3	29	0	29	7	0	7	0	0	0	36	0	36
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	1	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	1	29	0	29	2	0	2	0	0	0	31	0	31
Soil and Water Testing	2	20	3	23	5	4	9	7	4	11	32	11	43
Others, if any (Natural Farming)	1	8	0	8	1	5	6	0	0	0	9	5	14
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0

Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	1	14	2	16	10	2	12	5	0	5	29	4	33
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	13	2	15	11	0	11	2	0	2	26	2	28
VII. Plant Protection													
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries													
Integrated fish farming	1	0	17	17	0	8	8	0	0	0	0	25	25
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	1	17	5	22	5	1	6	4	0	4	26	6	32
Composite fish culture & fish disease	1	15	0	15	4	0	4	0	0	0	19	0	19
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	20	2	22	4	0	4	5	0	5	29	0	29
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0

Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	1	15	5	20	5	0	5	0	0	0	20	5	25
Others, if any	1	13	3	16	10	2	12	1	1	2	24	6	30
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	3	58	10	68	15	5	20	0	0	0	73	15	88
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	2	0	22	22	0	12	0	12	0	0	0	34	34
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**41**	**503**	**120**	**623**	**232**	**60**	**280**	**72**	**10**	**70**	**795**	**188**	**983**

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	2	6	41	47	7	5	7	0	0	0	13	46	59
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0

Integrated Farming System	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Commercial fruit production	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	2	19	0	19	22	0	22	15	0	15	56	0	56
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	16	2	18	6	1	7	1	0	1	23	3	26
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	0	0	0	0	0	0	0	0	0	0	0	0	0
Sheep and goat rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	0	0	0	0	0	0	0	0	0	0	0	0	0
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	1	20	3	23	5	4	9	0	0	0	25	7	32
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	1	5	10	15	5	5	10	5	2	7	15	17	32
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	14	6	20	6	0	6	0	0	0	20	6	26
Crop Residue management	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Natural farming)	1	5	10	15	5	5	10	5	2	7	15	17	32
TOTAL	**8**	**80**	**62**	**142**	**51**	**15**	**61**	**21**	**2**	**23**	**152**	**79**	**231**

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	15	3	18	9	2	11	0	0	0	24	5	29
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	1	20	5	25	5	0	5	0	0	0	25	5	30

Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and Child care	1	20	0	20	5	0	5	0	0	0	25	0	25
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	1	12	0	12	10	0	10	0	0	0	22	0	22
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Kitchen garden	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Residue management	0	0	0	0	0	0	0	0	0	0	0	0	0
Others (Natural Farming)													
TOTAL	**4**	**67**	**8**	**75**	**29**	**2**	**31**	**0**	**0**	**0**	**96**	**10**	**106**

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	3	45	9	54	26	5	31	6	0	6	77	14	91
Resource Conservation Technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Cropping Systems	3	69	0	69	25	0	25	0	0	0	94	0	94
Crop Diversification	3	34	8	42	28	7	35	6	3	9	68	18	86
Integrated Farming	1	15	0	15	8	0	8	0	0	0	23	0	23
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	3	34	0	34	31	0	31	17	0	17	82	0	82
Nursery management	1	15	0	15	8	0	8	0	0	0	23	0	23
Integrated Crop Management	3	44	0	44	12	0	12	0	0	0	56	0	56
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	0	0	0	0	0	0	0	0	0	0	0	0	0
II. Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	2	59	0	59	3	0	3	0	0	0	60	2	62
Water management	1	18	3	21	4	0	4	1	0	1	22	3	25
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	3	33	14	47	22	3	25	3	0	3	58	17	75
Production of low volume and high value crops	2	27	9	36	7	5	12	1	0	1	35	14	49
Off-season vegetables	3	33	10	43	25	2	27	4	0	4	62	12	74
Nursery raising	2	20	5	25	14	6	20	4	0	4	38	11	49
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	1	14	3	17	4	0	4	1	0	1	19	3	22
Others, if any (Hydroponic)	2	30	12	42	0	6	6	0	1	1	30	19	49
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	1	14	2	16	3	0	3	1	0	1	18	2	20
Cultivation of Fruit	2	30	16	46	8	11	19	1	0	1	39	27	66
Management of young plants/orchards	1	12	5	17	3	0	3	0	0	0	15	5	20
Rejuvenation of old orchards	1	12	5	17	4	0	4	1	0	1	17	5	22
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	1	14	2	16	3	0	3	1	0	1	18	2	20
Plant propagation techniques	1	10	5	15	14	6	20	4	0	4	28	11	39
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0

c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management	2	25	5	30	17	0	17	4	0	4	46	5	51
Management of potted plants	1	13	2	15	4	0	4	5	0	5	22	2	24
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	2	26	6	32	16	4	20	7	0	7	49	10	59
Processing and value addition	1	12	4	16	8	0	8	0	0	0	20	4	24
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	1	12	4	16	8	0	8	0	0	0	20	4	24
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	1	15	5	20	5	2	7	5	0	5	25	7	32
Post-harvest technology and value addition	1	13	3	16	10	2	12	1	1	2	24	6	30
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil fertility management	3	57	5	62	25	3	28	0	0	0	72	8	80
Soil and Water Conservation	1	22	2	0	4	0	4	0	0	0	26	2	28
Integrated Nutrient Management	5	83	0	83	9	0	9	0	0	0	92	2	94
Production and use of organic inputs	1	18	0	18	8	0	8	0	0	0	26	0	26
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	2	9	3	12	5	2	7	3	0	3	17	5	22
Nutrient Use Efficiency	2	70	2	72	4	0	4	0	0	0	74	2	76
Soil and Water Testing	4	50	3	53	9	4	13	7	4	11	62	11	73
Others, if any	2	25	11	36	13	5	18	0	0	0	38	16	54
IV. Livestock Production and Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairy Management	2	25	11	36	9	5	14	4	0	4	38	16	54
Poultry Management	1	9	3	12	5	2	7	3	0	3	17	5	22
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0

Disease Management	1	12	3	15	10	2	12	2	0	2	24	5	29
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any Goat farming	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	2	10	19	29	5	15	20	0	0	0	15	34	49
Design and development of low/minimum cost diet	1	4	11	15	2	10	12	0	0	0	6	21	27
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	1	5	12	17	5	19	24	0	0	0	10	31	41
Income generation activities for empowerment of rural Women	1	14	2	16	10	2	12	5	0	5	29	4	33
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	2	8	11	19	4	15	19	0	0	3	12	29	41
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VI.Agril. Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	13	2	15	11	0	11	2	0	2	26	2	28
VII. Plant Protection	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0

Integrated fish farming	2	31	20	51	3	9	12	2	0	2	36	29	65
Carp breeding and hatchery management	1	22	0	22	5	0	5	5	0	5	32	2	34
Carp fry and fingerling rearing	2	32	5	37	14	1	15	9	0	9	55	6	61
Composite fish culture & fish disease	3	32	0	32	12	0	12	4	0	4	48	0	48
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	3	45	2	47	20	0	20	7	0	7	72	0	72
Hatchery management and culture of freshwater prawn	2	30	0	30	20	0	20	5	0	5	55	0	55
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	1	15	5	20	5	0	5	0	0	0	20	5	25
Others, if any	2	25	3	28	18	2	20	5	1	6	48	6	54
IX. Production of Inputs at site	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	4	69	12	81	23	9	32	0	0	0	92	21	113
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	4	39	28	67	5	22	15	12	0	0	44	50	94
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	1	11	3	14	8	2	10	0	0	0	19	5	24
Production of Fish feed	1	13	0	13	9	0	9	0	0	0	22	0	22
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	2	31	4	35	13	0	13	0	0	0	44	4	48
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI. Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0

Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	**109**	**1527**	**319**	**1822**	**613**	**188**	**789**	**148**	**10**	**149**	**2259**	**524**	**2783**

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	5	17	106	123	16	24	42	0	5	5	33	145	178
Bee-keeping	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated farming	1	33	0	33	4	0	4	0	0	0	37	0	37
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming system	1	15	6	21	4	0	4	5	0	5	24	6	30
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	3	39	11	40	15	8	23	0	1	1	54	20	74
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	14	0	14	5	0	5	3	0	3	22	0	22
Commercial fruit production	1	11	5	16	6	4	10	0	1	1	16	10	26
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	2	27	11	38	13	2	15	2	0	2	42	13	55
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	2	18	32	50	6	5	11	1	1	2	25	38	63
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairying	1	16	1	17	10	0	10	0	0	0	26	1	27
Sheep and goat rearing	1	10	6	16	6	4	10	0	0	0	16	10	26
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	1	23	3	26	8	2	10	0	0	0	31	5	36
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	2	53	2	55	10	1	11	0	0	0	63	3	66
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	1	5	10	15	5	5	10	5	2	7	15	17	32
Fresh water fisheries	1	23	3	26	1	0	1	1	0	1	25	3	28
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	1	15	2	17	9	2	11	4	1	5	28	5	33

Tailoring and Stitching	2	14	6	20	6	28	34	0	0	0	20	34	54
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop Residue management	2	32	10	42	10	5	15	5	2	7	47	17	64
Others (Natural farming)	3	61	18	79	13	5	18	6	2	8	80	25	105
TOTAL	**31**	**468**	**208**	**646**	**153**	**87**	**237**	**35**	**11**	**45**	**655**	**316**	**971**

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	1	15	3	18	9	2	11	0	0	0	24	5	29
Value addition	1	18	4	22	3	0	3	0	0	0	21	4	25
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	1	20	5	25	5	0	5	0	0	0	25	5	30
Protected cultivation technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	1	14	2	16	10	2	12	5	0	5	29	4	33
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	1	20	0	20	5	0	5	0	0	0	25	0	25
Women and Child care	1	27	0	27	1	0	1	0	0	0	28	0	28
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	1	12	0	12	10	0	10	0	0	0	22	0	22
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi compost production	1	0	28	28	0	15	15	0	0	0	0	43	43
Kitchen garden	1	0	9	9	0	1	1	0	0	0	0	9	9
Crop Residue management	1	27	0	27	0	0	0	0	0	0	27	0	27
Others (Natural Farming)													
TOTAL	**10**	**153**	**51**	**204**	**43**	**20**	**63**	**5**	**0**	**5**	**201**	**70**	**271**

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**	

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**			**No. of persons employed else where**
				Male	Female	Total	**Type of units**	**No of units**	**No. of persons employed**	
Vermicompost		Vermicompost Production	5	11	29	40				
Vermicompost		Vermicompost Production & Marketing	5	10	14	24				
Mushroom Prod		Mushroom Production Techniques & Marketing	5	13	30	43				
Mushroom Prod		Mushroom Production	3	21	25	46				
Crop Residue management		Crop Residue Management	3	22	10	32				
Vermicompost		Vermicompost production techniques	5	10	20	30				
Veg Prod		Hi-Tech Horticulture	5	22	2	22				
Millets prod		Technology Day on ICAR Foundation day	3	23	26	49				
Fish Farming		Composite Fish Farming	5	40	0	40				
Millets prod		Processing of Millets and Food Fest	3	5	25	30				
Fishery		Fresh Water Fish Farming	7	24	2	26				
Veg Prod		Vegetable Production	5	20	6	26				
Mushroom Prod		Mushroom Production	4	12	18	30				
Natural Farming		Natural Farming	4	18	10	28				
FPO		Formation, Operation & Functions of FPOs	5	22	8	30				
Animal Prod		Animal Husbandry & Milk production technology	5	27	0	27				
Goat rearing		Goat Farming	5	24	2	26				
		Total	**77**	**324**	**227**	**549**				

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

I) Sponsored Training Programmes

Sl	Title	Thematic	Month	Duration	Client	No. of courses	No. of Participants	Sponsoring

.		area		(days)	PF/RY/EF		Male			Female			Total				Agency
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Crop Residue Management		Mar	3	EF	1	15	3	0	6	3	0	21	9	0	30	BAMETI, Patna
2	Krishi Samvaad		Sept	1	PF	1	46	10	0	16	3	0	62	13	0	75	NABARD
3	Mushroom Production		Dec	1	RY	1							15	6	0	21	ATMA, Rohtas
4	Mushroom Production		Dec	1	RY	1							35	6	0	41	
5	Energy Conservation in Agriculture for Stakeholder		Dec	1	PF	1							59	10	0	69	BREDA, Patna
6	Agricultural Marketing for Stakeholder		Dec	3	PF	1							24	1	0	25	NIAM, Jaipur
7	Integrated Farming System		Oct	7	RY	1							28	17	0	45	NABARD, Rohtas

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													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total													
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													

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2023 : No

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

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

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	AGR/Q0801	Gardener	60	4	0	0	0	26	0	30	0	30	154117
1	AGR/Q0801	Gardener	340	1	4	0	0	23	2	24	6	30	820150

3.5. A. ACHIEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela participated	3	211	86	297	20	2	9	2	11	1	0	220	88	308	21	2
Field Day	28	401	198	599	35	1	4	2	6	2	0	405	200	605	37	1
Kisan Ghosthi	8	221	60	281	23	0	24	2	26	2	0	245	62	307	25	0
Exhibition organized	1	50	24	74	12	1	3	0	3	2	0	53	24	77	14	1
Participation in exhibition	0	0	0	0	0	0			0	2	0	0	0	0	2	0
Film Show	8	129	70	199	19	0	5	1	6	2	0	134	71	205	21	0
Method	2	35	45	80	9	0	1	0	1	2	0	36	45	81	11	0

Demonstrations																
Farmers Seminar	1	56	30	86	5	0	2	0	2	2	0	58	30	88	7	0
Workshop	1	71	15	86	6	2	4	1	5	2	0	75	16	91	8	2
Group discussion	5	90	60	150	7	0	5	0	5	2	0	95	60	155	9	0
Lectures delivered as resource persons	18	461	87	548	19	1	18	3	21	2	0	479	90	569	21	1
Advisory Services	12	1500	301	1801	201	6	20	0	20	2	0	1520	301	1821	203	6
Scientific visit to farmers field	80	790	299	1089	188	5	2	0	2	2	0	792	299	1091	190	5
Farmers visit to KVK	1458	1208	250	1458	265	41	7	2	9	3	0	1215	252	1467	268	41
Diagnostic visits	32	150	30	180	269	14	3	1	4	2	0	153	31	184	271	14
Exposure visits	4	185	15	200	101	2	4	1	5	1	0	189	16	205	102	2
Ex-trainees Sammelan	1	50	11	61	5	0	3	1	4	3	0	53	12	65	8	0
Soil health Camp	2	30	35	65	6	0	5	2	7	4	0	35	37	72	10	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	1	45	5	50	9	0	3	2	5	2	0	48	7	55	11	0
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	2	6	164	170	31	0	3	1	4	2	0	9	165	174	33	0
Mahila Mandals Conveners meetings	1	0	58	58	11	0	1	1	2	1	0	1	59	60	12	0
Special day celebration	18	355	480	835	65	2	15	5	20	5	0	370	485	855	70	2
Sankalp Se Siddhi	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Swatchta Hi Sewa	4	140	74	214	69	1	3	1	4	2	0	143	75	218	71	1
Celebration of important date	10	355	299	654	98	1	20	5	25	8	0	375	304	679	106	1
Others	0	0	0	0	0	1	0	0	0	0	0	0	0	0	0	1
Total	**1700**	**6539**	**2696**	**9235**	**1473**	**81**	**124**	**27**	**197**	**58**	**0**	**6703**	**2729**	**9432**	**1531**	**81**

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	79
Radio talks	06
TV talks	04
Popular articles published	04
Extension Literature	11
Electronic media	0
Any other	

C. Technology week celebration : 94th ICAR Foundation Day (16-18 July, 2023)

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Technology day cum Field visit	**3**	**123**	Millet crops, Nutri garden, Malnutrition, Natural farming, Fisheries

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	25	11	36	11	0	11	36	11	**47**
International Women's Day (8th Mar.)	0	0	0	0	0	0	0	0	0	**0**
Ambedkar Jayanti (14th Apr.)	0	0	0	0	0		0	0	0	**0**
World's Veterinary Day (Last week of April)	0	0	0	0	0	0	0	0	0	**0**
World 'Milk Day	0	0	0	0	0	0	0	0	0	**0**
International Yoga Day (21st Jun.)	1	21	0	21	7	0	7	28	0	**28**
Independence Day (15th Aug.)	1	35	10	45	11	2	13	46	12	**58**
Parthenium Awareness Week	2	20	5	25	9	1	10	29	6	**35**
Hindi Diwas (14th Sep.)	1	10	5	15	10	2	12	20	7	**27**
Gandhi Jayanti (2nd Oct.)	0	0	0	0	0	0	0	0	0	**0**
Mahila Kisan Diwas (15th Oct.)	1	25	7	32	9	2	11	34	9	**43**
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	**0**
Vigilance Awareness Week	1	10	4	14	11	2	13	21	6	**27**
National Unity Day (31st Oct.)	1	0	0	0	12	2	14	12	2	**14**
World Science Day (10th Nov.)	1	18	8	26	10	2	12	28	10	**38**
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	**0**
Fisheries day (21 Nov)	1	41	5	46	7	1	8	48	6	**54**
National Constitution Day (26 Nov.)	1	17	3	20	11	2	13	28	5	**33**
World Soil Day (5th Dec.)	1	50	12	62	9	1	10	59	13	**72**
Kisan Diwas (23rd Dec.)	1	116	19	135	3	1	4	119	20	**139**
Swachhta hi Seva	5	102	14	116	45	3	48	147	17	**164**
Swachh Bharat Abhiyan	7	179	36	215	51	9	60	230	45	**275**
Jal Jeevan Hariyali Diwas	1	30	15	45	9	3	12	39	18	**57**
World Environment Day	1	38	9	47	11	2	13	49	11	**60**
ICAR Foundation Day	1	26	9	35	12	5	17	38	14	**52**
Parthenium Awareness Week	3	57	16	73	18	4	22	75	20	**95**

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	PM Kisan Samman Nidhi	Interaction of	56	6	0	61

		13th release	Hon'ble PM				
2	27.07.2023	PM Kisan Samman Nidhi 14th release	Interaction of Hon'ble PM	75	6	0	81
3	13.10.23	Interaction with Farmers	Interaction of Hon'ble AM, Bihar	53	5	0	58
4	15.11.2023	PM Kisan Samman Nidhi 15th release	Interaction of Hon'ble PM	95	5	0	100

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 : (Rabi 2022-23, Zaid 2022-23 & Kharif-2023)

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Wheat (HD-2967)	50		6	1	14	21
	Wheat (DBW-187)	40		4	0	13	17
	Paddy (S. Sampann)	60		3	0	11	14
	Paddy (MTU-7029)	163.20		21	3	27	51
	Paddy (R.Sweta)	30		9	0	14	23
	Paddy (BPT-5204)	49.60		6	0	17	23
	Paddy (Sabour Heera)	33		2	0	8	10
	Paddy (CG Devbhog)	6		1	0	5	6
Oil seed	Linseed (Sabour Tisi-2)	0.50		0	0	0	0
Pulses	Chickpea (GNG-2299)	15		0	0	0	0
	Green gram (Virat)	8		0	0	0	0
	Green gram (Shikha)	1		0	0	0	0
Green Manure							
Commercial crop							
Vegetables (Potato)	Potato (K.Khyati)	23		0	0	0	0
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

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	Sabour agrim	20000	200	40	0	20	60
Cabbage	-						
Tomato	Kashi vishesh	42300	400	30	0	50	80
Brinjal	Sabour sadabahar	12500	125	30	0	10	40
Chilli	pusa jawala	10100	101	20	0	5	25
Onion							
Others	bottle gourd, bitter gourd, cucumber	503	500	20	0	0	20
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango	Amrapali, Langra, Jardalu, Alfanso	8000	56000	20	0	60	80
Guava	Allabadi Safeda	50	2000	5	0	5	10
Lime	Kagaji	50	1500	5	0	5	10
Papaya	Red lady	4210	8420	40	0	40	80
Banana	G-9	100	1400	10	0	10	20
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total							

D. Forest species

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Sagwan, Gamhar, Mahogani	Local provided by forest deptt	1500	15000	20	5	35	60

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 (Tricho card etc) Vermicompost	5277		10	0	25	35
Worms (earthworm, silk worms etc)	5		1	0	4	5
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials

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

Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings	Improved catla, Rohu	15000		4	0	6	10
Spawn							
Others (Pl. specify)							
Grand Total							

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.
1	Soil core sampler with one set of 10 core boxes	01
2	Double Ring infiltrometer apparatus	01
3	Test Sieves 8" Dia brass frame	01
4	Flame Photometer	01
5	Calorimeter	01
6	pH meter	01
7	Conductivity meter	01
8	Multi Heating flame	01
9	Heating plate	01
10	Incubator	01
11	Distillation Unit	01
12	Combined Electrodes	01
13	Gas Cylinder	02
14	Oven	01
15	Flask Shaker	01
16	Soil Testing Kit (Mridaparikshak)	01

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
0	**1557**	**1557**

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	1557	35	1557	717800
2.	Water	4	4	4	
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	45	62	0	-	71

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.)
	01	01	2000	120	03

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

1. Name of Seed Hub Centre:

Name of Nodal Officer:	Dr. Ratan Kumar
Address :	KVK Rohtas
e-mail :	rohtaskvk@gmail.com
Phone No. : Mobile :	9472542844

2. Quality Seed Production of Pulses & Oilseed

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023	0					
Rabi 2023	Chickpea	GNG 2299	9	9	110	F/S to C/S
	Linseed	Sabor Tisi-1	2	2	8	F/S to C/S
		Kota Alsi-6	1	1	4	F/S to C/S
Summer/Spring 2023	-					

3. Financial Progress

Financial Year	Fund received (Rs. in lakhs)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2019-20	19.10	0.00	22.37	71.85	
2020-21	25.41	7.24	18.71	71.31	Pond Construction & Transformer Installation
2021-22	26.50	0.72	18.66	78.43	Construction of Pillar for Dragon Fruits
2022-23	48.09	0.00	24.41	102.11	
2023-24 (31 Dec 23)	24.68	12.00	27.21	87.58	Construction of Fish Hatchery

4. Infrastructure Development

Item	Progress
Seed processing unit	**Available**
Seed storage structure	**Available**
Nursery	**Available**
Animal sector	**Available**
Mushroom / other enterprises	**Available**
Others (Nursery Pond)	**Available**

3.6 PUBLICATIONS, HUMAN RESOURCES DEVELOPMENT & AWARDS & RECOGNITION

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

S.No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper	Effect of INM Practices on Performance of Early Cauliflower Var. Sabour agrim and Soil Nutrient Status, **Rama Kant Singh**, Rabindra K. Jalaj, Pankaj Kumar and Ratan Kumar Res. Jr. of Agril. Sci. (2022) 13: 280–285 P-ISSN: 0976-1675	4.54
1	Abstract	Productivity and Economic Assessment of Raised Bed Cultivation Techniques for Pigeon Pea **Rama Kant Singh**, R. K. Jalaj, Ratan Kumar, Shobha Rani, Manju Kumari, R. K. Sohane, Anjani Kumar, R. N. Singh and Amrendra Kumar ISEE Nat. Sem. On Evolving Towards Secondary Agriculture for Sustainable Development on 22-24, 2023 at USA, Bangalore, Karnataka, A 350, pp228, 2023	
2	Abstract	Assessment of Happy Seeder on Productivity and Profitability of Mustard **Rama Kant Singh**, R. K. Jalaj, Ratan Kumar, Shobha Rani, Manju Kumari, H.P. Sharma, R. N. Singh, R. K. Sohane, Anjani Kumar, Amrendra Kumar, Mukesh K. and Sinha ISEE Nat. Sem. On Evolving Towards Secondary Agriculture for Sustainable Development on 22-24, 2023 at USA, Bangalore, Karnataka, A354, pp228-229 2023	
3	Abstract	Trends in Area, Productivity and Trade of Chick Pea in Rohtas Ratan Kumar, R. K. Jalaj, **Rama Kant Singh,** Shobha Rani, Manju Kumari,	

		H.P. Sharma, R. K. Sohane, Anjani Kumar, R. N. Singh and Amrendra Kumar ISEE Nat. Sem. On Evolving Towards Secondary Agriculture for Sustainable Development on 22-24, 2023 at USA, Bangalore, Karnataka, A358, pp229	
4	Abstract	ENHANCING PADDY CROP LODGING MANAGEMENT THROUGH ASSESSMENT OF NITROGEN SPLIT DOSES AND POTASSIUM FERTILIZATION STRATEGIES **Rama Kant Singh** , R. K. Jalaj , Ratan Kumar , Shobha Rani , Manju Kumari , Ritika kumari , V. K. Jalaj S. B. Singh, R. K. Sohane, R. N. Singh 1st Hybrid Mode INTERNATIONAL CONFERENCE ON DECARBONIZING AGRICULTURE, 25-27th November, TMPAI International Convention Centre, Mangalore, Karnataka, India. pp160 ISBN: 981-81-927632-2-1	
5	Abstract	PRODUCTIVITY AND ECONOMICS ASSESSMENT OF RAISED BED CULTIVATION TECHNIQUES FOR PIGEON PEA **Ratan Kumar,** Shobha Rani, , R. K. Jalaj , Rama Kant Singh, R. K. Sohane , Anjani Kumar 1st Hybrid Mode INTERNATIONAL CONFERENCE ON DECARBONIZING AGRICULTURE, 25-27th November, TMPAI International Convention Centre, Mangalore, Karnataka, India. pp169 ISBN: 981-81-927632-2-1	
6	Abstract	**Effect of sowing method and mulching on Maize Productivity Rama Kant Singh[1]**, Shobha Rani, R. K. Jalaj, Ratan Kumar, H.P. Sharma, R.N. Singh and R.K. Sohane, Nat. Sem. On Maize Production Technology: Perspective for income and Employment Generation (MPTPIEG-2024) on 6-7 Feb., 2024 at BPSAC, Purnea (BAU Sabour Bhagalpur)	
7	Abstract	Impact of Rice Establishment Technologies on Farm Productivity, Profitability and Soil Properties, **Rama K Singh**, Shobha Rani, R. K. Jalaj, Ratan Kumar, Raj N Singh and R. K. Sohane, International Conference on Advanced Agricultural Technologies for Self Reliant Farmers and Developed India to be held at KVK Piprakothi on 11 February 2024.	

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	Krishak Sandesh, Krishi Vigyan Kendra, Rohtas, Bikramganj	1000	950
	Soil and Water analysis: A practical manual (ISBN 978-9395632-05-8)	-	-
	Integrated Farming System Practices (ISBN 978-81-928932-5-8)	-	-
Book Chapter			
Popular articles	मतस्य रोगों का नियंत्रण एवं रोकथाम रविन्द्र कुमार जलज, रमा कांत सिंह, रतन कुमार, शोभा रानी, अनिता कुमारी कृषि विज्ञान केन्द्र अरवल, बिहार कृषि वि0वि0 सबौर,, पेज 11	100	80
	सनय रतन कुमार, शोभा रानी, रविन्द्र कुमार जलज, रमा कांत सिंह, रीता कुमारी एवं सुबेश कुमार कृषि विज्ञान केन्द्र अरवलं एवं बिहार कृषि वि0वि0 सबौर,, पेज 32	100	90
	सोयाबीनः पौष्टिक एवं बहुपयोगी कृषि विज्ञान केन्द्र अरवलं एवं बिहार कृषि	100	95

	वि0वि0 सबौर,, पेज 35		
	सफेद मूसली रतन कुमार, शोभा रानी, रविन्द्र कुमार जलज, रमा कांत सिंह, हरेन्द्र प्रसाद शर्मा एवं सुबेश कुमार कृषि विज्ञान केन्द्र, गया, बी.ए.यू. सबौर	100	96
	समेकित मत्स्य पालन प्रणाली कृषि विज्ञान केन्द्र, गया, बी.ए.यू. सबौर	100	93
success story			
Bulletins			
Agro-advisory bulletins			
Extension Folders	Happy seeder dwra Fasal Awses prababndhan	100	90
	Rohtas model : fasal Awsese prabandhan	100	90
	Rabi faslon me Rog evam kit prabandhan	100	90
	Zero tillage genhu ki kheti	100	90
	Dhan ki sidhi buwai	100	90
	Raised bed Arhar ki kheti	100	90
	Vaikalpik sukha evam gila Dhan ki kheti	100	90
	Kharif faslon me antarwarti kheti	100	90
	मृदा स्वास्थ्य कार्ड : आवश्यकता एवं महत्व, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023	1000	200
	मिट्टी जाँच कब, क्यों और कैसे, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023	1000	150
	प्राकृतिक खेती के लिए प्राकृतिक संसाधन, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023	1000	200
	साँवा की खेती, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023	1000	400
	जीरो टिलेज विधि से गेहूँ की खेती, रतन कुमार, शोभा रानी, रविन्द्र कुमार जलज, रमा कांत सिंह, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार, 2023	1000	600
	मेंथा की वैज्ञानिक खेती, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023	1000	400

Technical reports			300
	प्राकृतिक खेती आज की आवश्यकता, रमा कांत सिंह, शोभा रानी, रविन्द्र कुमार जलज, रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतास, 2023	1000	500
News letter	**कृषक समाचार**, रविन्द्र कुमार जलज, रमा कांत सिंह रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023 (01 अंक)	1000	950
	कृषक समाचार, रविन्द्र कुमार जलज, रमा कांत सिंह रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023 (02 अंक)	1000	975
	कृषक समाचार, शोभा रानी, रविन्द्र कुमार जलज, रमा कांत सिंह रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023 (03 अंक)	1000	1000
	कृषक समाचार, शोभा रानी, रविन्द्र कुमार जलज, रमा कांत सिंह रतन कुमार, हरेन्द्र प्रसाद शर्मा, प्रवीण कुमार पटेल एवं सुबेश कुमार कृषि विज्ञान केन्द्र, रोहतासए 2023 (04 अंक)	1000	850
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. Shobha Rani	National Seminar	22-23 June 2023	ISEE, N Delhi
2.	Dr. Shobha Rani& Dr. Ratan Kumar	Zonal workshop	08-10 July 2023	BAU, Ranchi
3.	Dr. Shobha Rani and Dr. Rama Kant Singh	Webinar on organic and Natural farming	31/07/2023	ATARI, Patna
4.	Dr. Shobha Rani	Workshop on CRM	27/12/2023	VKSCOA, Dumraon
5.	Dr. Rama Kant Singh	CSISA	9-24 Dec 2023	N Delhi
6.	Dr. Shobha Rani	Workshop on community radio awareness	10-11/01/2024	Ministry of Information & broadcasting, GOI & SMART
7.	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas	12 CA Advance course	9-24 Dec 2023	CSISA
8.	Dr. R.K. Singh, SMS	Paradigm shift in Extension	27-28 Feb 2023	BAMETI Patna

	(Soil Science) KVK, Rohtas	for Natural Farming		
9.	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas	Natural Farming	14.10.2022	ATARI Patna
10.	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas	Millets	18th March 2023	Virtual
11.	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas	CRA Programm	18-19January, 2023	NASC New Delhi
12	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas		08-09 December 2022	State Natural Farming Gurukul, Kurukshetra, Hariyana
13	Dr. R.K. Singh, SMS (Soil Science) KVK, Rohtas	Coordinate Training of 40 farmers under CRA of four district Bhojpur, Rohtas, Aurangabad, Kaimur on topic "Rice Post-Production Practices)	19 to 21 October 2022	IRRI-South Asia Region Centre (ISRAC), Varanasi, UP

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

Type of attachment	No of student trained	No of days stayed
RAWE	47	90 days

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose
1.	Revolving Fund Award	BAU, Sabour	-	Raising revolving fund more the One Crore rupees
2.	Appreciation Certificate	District Magistrate, Rohtas	Certificate	For outstanding work in transfer of technology in Agriculture & Allied
3.	Appreciation Certificate	ICAR, ATARI, Zone-iv, Patna	Certificate	For outstanding work in Crop residue management
4.	Appreciation Certificate	Ag. Dept., Bihar Govt.	Certificate	For outstanding work in Crop residue management

Award received by KVK Scientists /Staffs

Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority
1	Best Perfomer CFLD Pulse Award	Dr. Ratan Kumar	-	CFLD pulse production	ATARI, Zone-IV, Patna
2	Best Non Teaching Award	Mr. Rakesh Kumar	Certificate	Extra ordinary work in KVK	BAU, Sabour
3	Best Research Contribution Award	Dr Rama Kant Singh	Certificate	Work in research field	Conference Mind 2023

4	Excellence in Research Award	Dr Rama Kant Singh	Certificate	Extra ordinary work in Research	GAPS -2023
5	Best of Oral Certificate	Dr Rama Kant Singh	Certificate	-	GAPS -2023
6	Young Fishery Scientist Award	R. K Jalaj	Certificate	Extra ordinary work in Fisheries science	GAFEF-2022

Award received by Farmers

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1	Plant Genome Saviour Farmer Reward	Sri Arjun Singh	Village-Masauna, Sanjhauli	7250991479		1,50,000		PPV & FRA
2		Sri Dilip Kumar Singh	Village-Mohaddiganj, Sasaram	8986372988		1,50,000		PPV & FRA
3	Best Farmer Award	Sri Bhikhari Rai	Village-Surhuriya, Suryapura	9431678969		-		BAU Sabour Kisan Mela 2023
4	1st Prize	Sri Bhikhari Rai	Village-Surhuriya, Suryapura	9431678969		2000	Krishi Gyan Pratiyogita	BAU Sabour Kisan Mela 2023
5	2nd Prize	Sri Dilip Kumar Singh	Village-Mohadiganj, Block-Sasaram	8986372988		-	Horticulture show Tomato	BAU Sabour Kisan Mela 2023

3.7. TECHNOLOGY DEVELOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/ Patent
1.	Crop residue management	Yashwant Singh (Derhgaon)	Preparation of straw bale	No
2.	Crop residue management	Bablu Kumar (Parsa Manpur)	Preparation of straw bale	No

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
1	Paddy and pulse crop	Neem seed treatment	To preserve rice and pulse .	

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)
1.	Cauliflower	2.0	350.00	05	Y
2	Chilli	1.0	300.00	02	N
3	French bean	1.0	280.00	04	N
4	Potato	10.0	350.00	04	Y
5	Tomato	25.0	450.00	10	Y
6	Broccoli	1.0	275.00	04	Y
7	Capsicum	2.0	250.00	04	Y

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 Method	For training need assessment and feedback of farmers
2	Personal meeting	
3	Questionnaire	
4	Personal Interview	
5	Survey Method	
6	Farmers visit to KVK	

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)
1. Single Seedling Transplanting of Paddy	225	80% of paddy area (1.6 lakh ha)	40	65
2. SRI- Method of Paddy transplanting	1650	10% of total paddy area	65	120
3. ZTT in wheat sowing	210	60% of total wheat area (90,000 ha)	20.5	23.50
4. Rejuvenation of Guava Orchards	115	40% of total Guava area (260 ha)	362.5	400
5. Drudgery Reduction Technology for farm-women (Naveen Sickle)	190	30% area coverage i.e. 15000 Ha	-	-
6. Waste material management through vermi-composting	225	400 farmers utilizing waste materials worth of 60.00 lakhs Rupees.	-	-
7. Mushroom Production for women's empowerment	560	10% of small & landless family	-	-
8. Value addition for women's empowerment (Fruit/Veg.)	250	Adoption: 10%	03 SHGs (No. of SHGs involved)	20 SHGs
9. Paddy Transplanter	92	Adoption : 60 Ha.	-	-

for labour saving				
10. Urea-saving in paddy through Urea-incubated Vermi-compost for soil health improvement.	160	Adoption :5% area under paddy cultivation i.e. 10000 Ha.	160 (Kgs.) (Urea/Ha. in top-dressing)	120 (Kgs.) (Urea/Ha.)
11.Natural farming	20	Adoption: 45%	-	-
12. Biochar	85	Adoption: 36%	-	-

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
DSR	21%
Nursery Business Enterprise	10%
Crop diversification through mentha cultivation	22%
Green Manuring in Kharif Paddy	10%
Waste material management through vermi-composting	17%
Crop residue management	15%
Adoption of Goatery & Poultry for livelihood security	20%
Mushroom production	30%
Custom hiring	12%
Organic vegetable cultivation	25%

Give information in the same format as in case studies

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

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

4.4. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	**Button Mushroom**
Name & complete address of the entrepreneur	**Premchandra Kumar Patel,** Village- Dinara, Block- Dinara, Rohtas Mob. – 7979722790 Aadhar – 910820825273
Educational Qualification	Graduate
Land	3.2 ha
Livestock	04 Cow + 02 Buffalo
Role of KVK with quantitative data support:	Shri Premchandra Kumar Patel has taken training on Mushroom Production, Gardener and Animal husbandry in KVK Rohtas and established Vermicompost Unit, Mushroom Production and Nursery business in 2020-21. KVK scientists gives him technical support as and when required and visit

<table>
<tr><td></td><td>his farm and enterprise.</td></tr>
<tr><td>Timeline of the entrepreneurship development</td><td>
<table>
<tr><td colspan="4">Average Income during after the enterprise</td></tr>
<tr><td>Year</td><td>Crops</td><td>Livestock</td><td>Enterprise (Button Mushroom)</td></tr>
<tr><td>2020-21</td><td>65000</td><td>20000</td><td>60000</td></tr>
<tr><td>2021-22</td><td>220000</td><td>140000</td><td>180000</td></tr>
<tr><td>2022-23</td><td>400000</td><td>260000</td><td>500000</td></tr>
</table>
</td></tr>
<tr><td>Technical Components of the Enterprise</td><td>
<table>
<tr><td colspan="4">Average productivity before the enterprise</td></tr>
<tr><td>Year</td><td>Paddy</td><td>Wheat</td><td>Chick pea</td></tr>
<tr><td>2018-19</td><td>40</td><td>15</td><td>10</td></tr>
<tr><td>2019-20</td><td>45</td><td>16</td><td>10</td></tr>
<tr><td>2020-21</td><td>60</td><td>30</td><td>13</td></tr>
</table>
</td></tr>
<tr><td>Status of entrepreneur before and after the enterprise</td><td>Before this venture, he used to grow conventional corps like rice, wheat and mustard but now he supplies Mushroom vermicompost and fish to 100 families of 10 villages on reasonable rate. He also supplies poultry (Kadaknath, Sonali), goat (Black begal) and high quality fish seed to the farmers of the district and earning a handsome money.</td></tr>
<tr><td>Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):</td><td>He established a seven tier mushroom production unit size (16x40x16) with capacity of producing 12 Kg / day from 1700 bags throughout the year. His enterprise is registered for loan under Prandhan Mantri Rojgar Yojana under NABARD and KVK Rohtas providing technical backstop for his enterprise.</td></tr>
<tr><td>Horizontal spread of enterprise</td><td>For marketing of agricultural products, registered under different institutes, Krishi Vigyan Kendra’s Mela, orders from local shopkeepers and retail counter. He provides training to the farmers at his venture with hands on practical. The young farmers attracted to adopt such type of enterprise for better income and popularity.</td></tr>
</table>

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

(i) Smt. Ragini Devi

Name of farmer	**Smt. Ragini Devi**
Address & Contact details (Phone, mobile, email Id)	Vill- Tekanpura, Bikramganj, Rohtas Mob. No. 7739713961
Assets (Landholding (in ha.)/Livestock)	2.0 ha / 01 cow
Name and description of the farm/ enterprise	Food Processing/ Value addition
Achievement of the farmers	Smt. Ragini Devi (age -36 years) is an entrepreneur in the area of food processing. She is involved in making various products of pulses such as Besan, Sattu. She is also doing mushroom production and making mushroom products. She is also preparing ready to eat Namkeen mixture.
KVK intervention (planning & Implementation)	KVK Rohtas helped her in providing technical guidance through training and capacity building in the area of value addition and food processing. By the initiative of KVK Rohtas she has been given funding from the Govt. through

	PMFME scheme in June, 2023 to the tune of Rs. 5.0 lakhs. KVK also helped her in suggesting the different types of processing equipments required for value addition activities. On the basis of which she became able to purchase various equipments using funding of PMFME. She purchased equipments namely Pulverizer, Roaster, Namking making machine, Besan Kneading machine, Dryer, Spice mixture machine, Automatic weight filling machine and packing machine. Earlier, she was selling her products by the name of "Aarogya" but later on KVK provided her handholding. As a result of which she became successful in receiving FSSAI tag and now she is selling all her products under the name "**Super Food Products**". At present her annual income is approximately Rs. 3.5 lakhs
Impact (Economic/ Social/Environmental)	Smt. Ragini Devi is a source of motivation for many rural women as the symbol of women empowerment. There is a sharp increase in the socio-economic status of her family as a result of her enterprise.
Outcome (Horizontal/ Vertical spread)	She has trained many other neighbouring farm women on these value addition activities. Almost 16 farm families have also followed her and are engaged in some of the above value addition activities at household level.



(ii) Sri Rajesh Kumar

Name of farmer	**Sri Rajesh Kumar**
Address & Contact details (Phone, mobile, email Id)	Village + Panchayat - Kalyanpur Block- Kargahar, District- Rohtas , Bihar,802204 Mob. No. -8340611127 Aadhar NO.-332635526024
Assets (Landholding (in ha.)/Livestock)	03 ha / 02 cow
Name and description of the farm/ enterprise	Fish farming
Achievement of the farmers	He has nearly 03 ha of land. Earlier he was doing only paddy wheat cultivation. Later, he shifted towards fish farming gradually. Now he is the only farmer of the district doing fish seed production. His farm, became a model of sustainable and profitable fish cultivation, fish seed production and bioflock fish farming. His annual income skyrocketed to a staggering Rs. 1,09,00,000. A significant portion of this prosperity, Rs. 13,00,000, was attributed to income from commodities (rice,

	wheat, pigeon pea), showcasing the diversified and sustainable nature of his farming practices.
KVK intervention (planning & Implementation)	With the support of the Krishi Vigyan Kendra (KVK) in Rohtas, Rajesh embarked on a journey that would redefine his fortunes and the landscape of agriculture in his region. Choosing fish farming as his niche, Rajesh Kumar displayed an entrepreneurial spirit that set him apart from his peers. The KVK played a pivotal role in guiding Rajesh through modern aquaculture techniques, ensuring that his venture was not just profitable but also environmentally conscious.
Impact (Economic/ Social/Environmental)	Beyond personal success, Rajesh Kumar's journey has had a ripple effect on the community. The KVK facilitated knowledge-sharing sessions, where Rajesh selflessly shared his learning and experiences with fellow farmers. Notably, his success story stands out as an inspiration for fellow farmers, proving that with innovation and dedication, agricultural pursuits can transcend traditional limitations.
Outcome (Horizontal/ Vertical spread)	His ideas not only fostered a sense of unity among fellow farmers but also contributed to the overall economic development of the region. He has mentored around 60 farmers for doing fish farming and improved agricultural practices with the help of FPO “Sahabad KVK fishery FPO”
	 

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	Rabi and Kharif Mahotsav	Transfer of new Agricultural. Technologies
2	Demonstrations	Demonstrate the recommended technology at farmer is field
3	Farmer Scientist Interaction	Identification of field problem and their solution at their farmer field
4	Kisan Mela	Awareness Programme
5	Kisan Gosthi	Making farmers aware about latest technologies
6	ATMA group at block level	Capacity building
7	Field day	Demonstrating the validity and location specificity of the technology
8	Exposure visit	Exposure of farmers at state and district level

9	Training	Practicing farmer & rural youths
10	BSDM Training	Skill development training programme
11	Training of farmers	Transfer of new Horticultural Technology
12	Training of farmers	Technology dissemination
13	Exposure visit	Transfer of Technology
14	SHG (DRDA)	Transfer of Technology
15	Kisan club	Transfer of Technology
16	FPO (09 Nos.)	Transfer of Technology
17	DAO, DHO, DSCO,	Training, Kisan Goshti, Kisan mela, Capacity building & Diagnostic survey
18	BAU/DRPCU/BASU	Technical support
19	District administration & District Ag. officer	Training & Planning prog.
20	IFFCO, KRIBHCO, UPL, IPL, Tata Chemicals etc.	Demonstration & Kisan Goshthis
21	DRDA , Rohtas	Training purpose
22	NGOs, Women Development Corporation	Training Programme, Gosthi & Mela
23	IARI Post Office Linkage	Demonstration of new technology
24	IARI, Pusa, Samastipur	Seed production and training
25	Jeevika	Training and demonstration, Capacity building programme
26	CSISA-CIMMYT	Technology demonstration
27	ICAR-RCER, Patna	Technical support
28	PPV & FRA	Plant variety registration of farmers
29	NIAM, Jaipur	Marketing awareness programme

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.)
IRRI	Trials	July, 2023	ICAR, New Delhi	85,000.00
Farm Innovation	Trials	Nov, 2023	ICAR, New Delhi	3,00,000.00
Natural Farming	Trials	Oct. 2023	ICAR, New Delhi	1,67,693.00
NIAM Training	Sponsored training	Dec. 2023	NIAM, Jaipur	1,77,100.00
CSISA	Trials	Sept 2023	CIMMYT	1,00,000.00
CRA	Trials, Demo, Training, Exposure visit etc.	June, 2023	Department of Agricultural, Bihar	88,07,500.00
B.S.D.M. – RPL Training	Skill training	April, 2023	Bihar Skill Development Mission Society	8,34,620.00

IFS Training	Sponsored training	Oct. 2023	NABARD, Rohtas	70,096.00
Stake Holders Meeting cum Training	Sponsored training	Sept 2023	Amresh Seva Sanshthan, Rohtas	5,000.00
Development of Kitchen Garden & Training	Sponsored training	April, 2023	DPM, Jeevika, Rohtas	68,900.00

(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.)
Farm Innovation project	Mentha cultivation	Oct, 2023	ICAR	3,00,000

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.	Vermicompost	2013	200	-	Vermic ompost	78.46	16000	47076	30 qtl. under productio n
2.				Eisenia fetida	Worms	43	0	21500	Available in unit
3.	Azolla	2021	12	Azolla Pinata	Azolla	15	6000	-	Demon strated to farmers
4.	Biochar Unit	2021	15	-	Biochar	89.5	5000	27000	
5.	Mushroom	2013	200	Oyster	Mushroom	1.2	4500	18750	
6.	Mushroom Spawn Lab	2014	150	Oyster	Spawn	10	45000	110100	
7.	Soil Lab	2013	200		SHC	1631		404600	
8.	Mentha Distillation Unit	2015	200	Nil	Nil	Nil	Nil	Nil	Shade is not available
9.	Fruit & Veg. processing Unit	2014	200						

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	
Paddy	06.07.22	22.12.22	4.0	S.Sampann	F/S	200.0	80000	500000	
Paddy	13.07.22	15.12.22	3.0	R.Sweta	F/S	101.5	60000	446000	
Paddy	10.07.22	12.12.22	0.02	CD Devbhog	T/L	1.50	3750	9000	
Paddy	12.07.22	07.12.22	0.10	BPT 5204	T/L	8.0	2500	48000	
Paddy	18.07.22	09.12.22	0.02	Bhagalpur Katarni	T/L	0.37	500	2886	
Wheat	10.11.22	09.04.23	3.25	HD-2967	F/S	48.50	61750	232800	

Wheat	02.12.22	11.04.23	1.75	DBW-187	C/S	38.0	33250	171000	
Chick pea	15.11.22	07.04.23	1.50	GNG-2299	C/S	12.35	28500	135850	
Lentil	29.10.23	02.04.23	0.50	Kota Alsi-6	C/S	0.84	9500	6720	

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.	Vermicompost	78.46	16000	47076	50 qtl. under production
2	Worms	43	0	21500	40 Kg. Available in unit
3	Azolla	15	3000	-	Demonstrated to farmers
4	Biochar Unit	89.5	5000	27000	-
5	Waste Decomposer	4000 lit.	20	8000	800 litre available in KVK Demonstrated to farmers

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.	Cow	Sahiwal & Gir	Milk	3971.95 lit.	125000	204512.5	
2.	Poultry	Kadaknath	Egg	80 nos		1092	
3.		Kadaknath	Meat	22 kg.		7200	
4.	Carp fish	Jayanti Rohu	Fingerling	45 kg.	15000	22500	

6.5. Performance of Automatic Weather Station in KVK : Not available

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) : 20

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Feb, 2023	30	43	
Feb, 2023	16	90	
March, 2023	30	3	
Dec, 2023	25	3	
Total:	**101**	**139**	

(For whole of the year)

6.7 Utilization of staff quarters

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

Months		Q I	QII	Q III	QIV	Q V	QVI

Oct, 2020	Dr. Ratan Kumar (SMS, Horticulture)	
June, 2018	Scientist Qtr (Mr. P.K. Patel)	
	Farm Manager Qtr (Vacant)	
May, 2023	Programme Coordinator	
	Supporting staff (Vacant)	
	Supporting staff (Vacant)	

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
RAU UNIT KVK BIKRAMGANJ	State Bank of India	Bikramganj	11380836324
Revolving Fund Account	State Bank of India	Bikramganj	30529582348
Natural Farming KVK Rohtas	State Bank of India	Bikramganj	42009441003
CFLD Pulses KVK Rohtas	State Bank of India	Bikramganj	42333140743
CFLD Oilseeds	State Bank of India	Bikramganj	42331444799
RPL Training KVK Rohtas	State Bank of India	Bikramganj	42333141088
Skill Development Training KVK Rohtas	State Bank of India	Bikramganj	42333140969

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Linseed	0.00	0.00	0.00	65,860.00	(-) 65,860.00
Mustard	0.00	0.00	0.00	1,95,040.00	(-) 1,95,040.00
Total	**0.00**	**0.00**	**0.00**	**2,60,900.00**	**(-) 2,60,900.00**

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	
Lentil	0.00	0.00	0.00	1,40,355.00	(-) 1,40,355.00
Total	**0.00**	**0.00**	**0.00**	**1,40,355.00**	**(-) 1,40,355.00**

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,24,21,100.00	99,36,890.00	91,03,692.00
2	Traveling allowances	90,000.00	90,000.00	89,854.00
3	HRD	30,000.00	30,000.00	0.00
4	Contingencies			
A	Office	4,00,003.00	4,00,003.00	2,87,326.00
B	Training	6,50,000.00	6,50,000.00	2,51,131.00
C	FLD			44,074.00
D	OFT			42,604.00
E	NARI	50,000.00	50,000.00	28,953.00

F	Maintenance of Building	36,000.00	36,000.00	34,975.00
G	SCSP (General)	3,50,000.00	1,81,974.00	1,80,530.00
H	Swachhta Expenditure			
TOTAL (A)		**1,40,27,103.00**	**1,13,74,867.00**	**1,00,63,139.00**
B. Non-Recurring Contingencies				
1	SCSP (Capital)	1,20,000.00	58,800.00	49,200.00
TOTAL (B)		**1,20,000.00**	**58,800.00**	**49,200.00**
C. Projects				
1.	Natural Farming	6,98,721.00	1,67,693.00	1,67,693.00
2.	CSISA	1,00,000.00	1,00,000.00	88,466.00
3.	Farm Innovation	3,00,000.00	3,00,000.00	0.00
TOTAL (C)		**1,52,45,824.00**	**5,67,693.00**	**2,56,159.00**
GRAND TOTAL (A+B+C)		**1,52,45,824.00**	**1,20,01,360.00**	**1,03,68,498.00**

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)
2020-21	71,84,815.00	25,41,022.00	25,94,540..50	71,31,296.50
2021-22	71,31,296.50	26,49,560.00	19,38,255.00	78,42,601.50
2022-23	78,42,601.50	48,08,787.00	24,40,609.50	1,02,10,779.00
2023-24 (31.12.2023)	1,02,10,779.00	24,68,109.00	39,20,964.00	87,57,924.00

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

7.8 Revenue generation

Sl.No.	**Name of Head**	**Income (Rs.)**	**Sponsoring agency**
1.	Sale of Seed	6,98,343.00	Seed Production Programme
2.	Sale of Non Seed	2,83,000.00	Seed Production Programme
3.	Sale of Plants/Vegetable/Mushroom	41,420.00	Horticulture & Mushroom Unit
4.	Sale of Varmicompost/Worms	6,486.00	Varmicompost Unit
5.	Sale of Milk/Egg	92,483.00	IFS Unit
6.	Soil Test Charge	1,100.00	Soil Lab
7.	Krishak Sandesh	7,500.00	Different Centers
8.	Kishan Hostel/Training Hall Charges	66,355.00	Different Programms
9.	Custom Hiring	164,450.00	Different Machineries
10.	Bank Interest	70,963.00	SBI, Bikramganj
	Total Rs.	**14,31,800.00**	

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	CRA	Operational Activities, Training, Awareness, Demonstration & Misc.	Govt. of Bihar	65,32,500.00	
2.	Natural Farming	Training, Awareness, Demonstration & Misc.	ICAR	1,67,693.00	
3.	CSISA	Trials, Awareness & Misc	CIMMYT	1,00,000.00	
4.	IRRI	Trials	IRRI	85,000.00	
5.	NIAM	Training	BAU, Sabour	1,77,100.00	
4.	Didi Ki Nursery	Establishment of Nursery & Training	Jeevika, Rohtas	68,900.00	
6.	IFS Training	Sponsored Training	DDM, NABARD	70,096.00	

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)
Sheath Blight	Paddy	1st week of Aug.	50000	6	Use of Validamycine @ 400ml/acre
Late Blight	Potato	1st Week of Jan.	10000	10	Redomil @ 1 ml/lit. of water
Fruit Borer	Brinjal & Tomato	1st of Feb. & March	10000	15	Perpenophos 2 ml./lit. of water &SAAF 2gm./lit. of water

8.2. Prevalent diseases in Livestock/Fishery

Name of the disease	Species affected	Date of outbreak	Number of death/ Morbidity rate (%)	Number of animals vaccinated	Preventive measures taken in pond (in ha)
FMD	Cattle	May- June	5-10% / 80-90%	20000	Timely Vaccination
PPR	Goat	November-December	85-90% / 90%	15000	Timely Vaccination
EUS	Carp fish	Dec-Jan.	50-60%	-	Preventive water sanitizer application

8.3. Nehru Yuva Kendra (NYK) Training : Not applicable

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	*16021*
2.	No. of farmers registered in the portal	*18051*
3.	Mobile Apps developed by KVK	*NA*
4.	Name of the App	*NA*
5.	Language of the App	*NA*
6.	Meant for crop/ livestock/ fishery/ others	*NA*
7.	No. of times downloaded	*NA*

8.6 Details of KVK Portal

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

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop	5	5	5	17421
2.	Livestock	2	2	2	0
3.	Weather	0	0	0	0
4.	Marketing	1	1	1	17532
5.	Awareness	3	3	3	52236
6.	Enterprises	4	4	3	17210
7.	Others	2	2	3	17412
8.	Total	17	17	17	121811

8.5 Kisan Sarathi

Name of KVK	**No. of Farmers Registered on Portal**
KVK Rohtas	10324

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

Date/ Duration of Observation	Total No. of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
03.10.2023	1	9	11	2	22

07.10.2023	1	8	15	3	26
10.10.2023	1	4	39	0	43
16.10.2023	1	7	25	0	32
25.10.2023	1	9	21	1	31
30.10.2023	1	6	19	3	28

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

Date/ Duration of Observation	Total No. of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15.12.2023	1	7	14	0	21
19.12.2023	1	6	17	0	23
21.12.2023	1	8	21	0	29
26.12.2023	1	9	11	0	20
28.12.2023	1	5	19	0	24
30.12.2023	1	4	13	0	17

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	12	0.20
2.	Other than vermicomposting activities under Swachata	3	0.02

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

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

8.8 .Viksit Bharat Sanklap Yatra (LLB and ULB)

Sl.	No. of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No. of Lecture Delivered on Soil Health/ Natural Farming
1	91	91	18225	114

8.9. Contingent crop planning

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

Bihar	Rohtas	INM	4	149	Package & practices of millets crops, short duration paddy, turmeric, elephant foot yam, coriander, radish, sweet potato

9. Information on Visit of Ministers to KVKs, if any : No

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

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

Date	**Name of the person**	**Purpose of visit**
06.06.2023	Shri Arun Kumar (MLA, Karakat)	Plantation drive
26.07.2023	Dr. Mukesh Kumar, (Principal, VKSCoA, Dumraon)	Monitoring of KVK activities
10.10.2023	Dr. U.S. Gautam, DDGAE	Monitoring of KVK activities
31.10.2023	Dr. V.P. Rahul, Sr. Scientist, CSIR,-IIIM, Jammu	Verification of Mentha Distillation unit
21.12.2023	Dr. S.R. Singh, Dy Director, CCS NIAM, Jaipur	As Resource Person in Training on Agriculture Marketing for stakeholders
21.12.2023	Dr. Meera Kumari, Jr. Sc. cum Asstt. Professor, Deptt. of Agril. Eco. BAU, Sabour	As Resource Person in Training on Agriculture Marketing for stakeholders

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

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

- Year: 2023
- Introduction / General Information:

Trial Name	Area covered (Acre)	Variety name	Duration	Method of planting	Sowing/ Transplanting	Grain Yield (Ton/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
Kharif										
Demonstrating the performance of DSR under dust mulch	4	CG Devbhog	135-140	DSR	13.06.23	6.84	38372	150634	112262	3.93
	2	BR-2176	155-160	DSR	18.06.23	8.28	40570	180757	140187	4.46
	8	MTU 7029	150-155	DSR	20.06.23	7.21	39200	157436	118236	4.02
	2	R. Sweta	135-140	DSR	21.06.23	4.53	37910	99780	61870	2.64
Rice-Wheat system optimization	3	MTU-7029	150-155	DSR-PTR	15.06.23	6.38	41200	139175.6	97975.65	3.38
	3	R. Sweta	135-140	DSR-PTR	22.06.23	4.81	39500	106034.5	66534.46	2.68
	3	BRR 2176	155-160	DSR-PTR	18.06.23	8.14	41600	177711.9	136111.9	4.27

through crop establishment with DSR	6	MTU-7029	150-155	DSR-PTR	21.06.23	7.63	41850	166507.2	124657.2	3.98
Reducing seed rate of rice through rice nursery enterprise	3	MTU-7029	150-155	T1-12kg/ acre	28.07. 23	7.10	40200	155083.6	114883.6	3.86
	3	MTU-7029	150-155	T2-06kg/ acre	28.07. 23	7.81	40050	170515.5	130465.5	4.26
	3	MTU-7029	150-155	T3-03kg/ acre	28.07. 23	8.25	39800	180064	140264	4.52
	3	BRR 2176	155-160	T1-12kg/ acre	23.07. 23	6.00	40250	131081.9	90831.92	3.26
	3	BRR 2176	155-160	T2-06kg/ acre	23.07. 23	6.81	40100	148618.2	108518.2	3.71
	3	BRR 2176	155-160	T3-03kg/ acre	23.07. 23	7.22	40350	157697.8	117347.8	3.91
	3	MTU-7029	150-155	T1-12kg/ acre	30.07. 23	7.31	40800	159512	118712	3.91
	3	MTU-7029	150-155	T2-06kg/ acre	30.07. 23	7.80	40950	170314.5	129364.5	4.16
	3	MTU-7029	150-155	T3-03kg/ acre	30.07. 23	7.96	41200	173668.1	132468.1	4.22

11.2 Details of Tribal Sub Plan (TSP) : Not Applicable

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	08	235
b.	Women	07	139
c.	Rural Youths	04	84
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries
		06	250
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		219	219
5)	Other activities		
a.	Participants in extension activities (No.)	115	
b.	Production of seed (q)	0	
c.	Production of Planting material (No. in lakh)	0	
d.	Production of Livestock strains (No. in lakh)	0	
e.	Production of fingerlings (No. in lakh)	0	
f.	Testing of Soil, water, plant, manures samples (Nos.)	33	

11.4. NICRA (Technology Demonstration component) : Not applicable

a. Natural Resource Management

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

b. Crop Management / Production

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

		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

c. Livestock and fisheries

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

d. Institutional interventions

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

e. Capacity building

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

f. Extension activities

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

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

S.No	No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business
1	5	Bikramganj, Kargahar, Sanjhauli, Suryapura, Sasaram	01	110	01	01	01

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	Registration	Date of Trust	Proposed	Commodit	No. of	Financial	Success

o	the FPO	No and Date	Registration Address	Activity	y Identified	Members	position (Rupees in lakh)	indicator
1	Sahabad (KVK) Fishery FPO	U01111BR2023PTC064574	10.08.2023	Aquaculture, Dairy, other activities	Fish, milk	45	0.5 lakh	

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

a. Overall achievement

No. of Nutri smart village developed	Total Area covered (ha)	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
05	04	0	02	10	255	02	255

b. Details of OFT/FLD

OFT	**Nil**	
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	**02**	**25**
Nutritional Garden	01(Garlic)	10
Bio-fortified Crops	02 ha (10Lentil + 5 Wheat)	15
Value addition (in no. of Unit or no. of Enterprise)	-	-
Other Enterprises (in no. of Unit or no. of Enterprise)	02 (Milky Mushroom)	42

0

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.	Bishuniya Bal	Backyard/Kitchen Garden	6	264 each = 1584	6
	Masauna	Backyard/Kitchen Garden	4	200 each = 800	4
	Akashi	Backyard/Kitchen Garden	4	200 each = 800	4
	Mane	Backyard/Kitchen Garden	3	216 each = 648	3
	Suryapura	Backyard/Kitchen Garden	4	200 each = 800	4
		Backyard/Kitchen Garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL			**21**	**4632**	**21**

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/	Name of Crop	Variety	Area (ha)	No. of beneficiaries

			oilseed/ fruits & veg./ others				
Bishuniya Bal	Rabi	FLD	Cereal	Wheat	BHU-31	0.4	5
Masauna	Rabi	FLD	Pulses	Lentil	IPL-220	1.75	10

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
Suryapura, Masauna	Vegetable, Pulses, Mushroom, Ragi, Sawa	Besan, Sattu, Roasted Millet, Pickles, Tomato sauce, Mushroom products	Training & FLD	15

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No. of courses	No. of beneficiaries
Bishuniya Bal	Training on Millet processing	01	43
Bishuniya Bal, Masauna, Akashi, Mane	Kitchen gardening	04	75
Masauna, Akashi	Training on Millet production & Processing	02	54
Bishuniya Bal	Kitchen Garden kits	01	10
Suryapura	Training on Mushroom production	01	12

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Bishuniya Bal	Kitchen Gardening	01	18

h. Details of recipe contest (if applicable) : No

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

11.7Attracting and Retaining Youth in Agriculture (ARYA): Not applicable

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

11.8 Out-scaling of Natural Farming

a. Overall achievements

S.No	**Name of Activity**	**No. of activities**	**No. of beneficiaries**
1.	Awareness programme	11	816
2.	Training programme	04	122
3.	Demonstrations	20	20

b. Details of Training programmes

S.No	**Name of training programme**	**Date**	**Location/Venue**	**No. of beneficiaries**
1	Training on Natural Farming	02.11.2023	Kawai	30

2	Training on Natural Farming	03.11.2023	Narayanpur	30
3	Training on Natural Farming	04.11.2023	Suruyapura	30
4	Training on Natural Farming	06.11.2023	KVK	30

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
1	Awareness programme on Natural Farming	06.01.2023	Dharampura/ Nokha	101
2	Awareness programme on Natural Farming	07.01.2023	Masona/ Sanjhauli	110
3	Awareness programme on Natural Farming	12.01.2023	Shivpur/ Bikramganj	101
4	Awareness programme on Natural Farming	06.03.2023	Matuli/ Bikramganj	108
5	Awareness programme on Natural Farming	18.03.2023	Samardiha/ Sasaram	75
6	Awareness programme on Natural Farming	23.07.2023	Surhuriya/ Suryapura	25
7	Awareness programme on Natural Farming	28.11.2023	Turti/ Bikramganj	59
8	Awareness programme on Natural Farming	29.11.2023	Motha/ Karakat	58
9	Awareness programme on Natural Farming	30.11.2023	Tarar/ Nokha	67
10	Awareness programme on Natural Farming	01.12.2023	Mirjapur/ Dawath	61
11	Awareness programme on Natural Farming	02.12.2023	Karmaini/ Sanjhauli	51

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo. (Acre)
1	Paddy (R. Sweta, CG Devbhog),	8	8
2	Paddy (BPT-5204)	1	0.0625

11.9 District Agro Meteorological Unit (DAMU) : Not Applicable

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

11.10 KSHAMTA : Not Applicable

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

	Demo	Training	Demo	Training

11.11 Agri-Drone

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

11.12 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Dairy	2 Cow	3971.45 lit.	125000	204512.5	05	
2	Poultry	Kadaknath	84 Nos. (Egg)		1092		
3	Poultry	Kadaknath	22 Kg. (Meat)		7200		
4	Goatry	-	-	-	-		
5	Fish pond	0.4	45 kg (fingerlings)	15000	22500		
6	Fruit plant		4 kg	-	1200		

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.	Dairy	02 cow	01	0.4	0	02	0	58
2.	Poultry	60 bird	01		0	0	0	0
3.	Goatry	8 He goat + 4 She goat	01		0	01	0	26
4.	Fish pond	Carp	03		0	02	0	66
5.	Fruit plant	Dragon fruit, Guava & Banana	50		0	01	0	22

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

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

II					
Total					

11.14 Any other programme organized by KVK, not covered above

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

11.15 IRRI Project:

Title of the Project: Delivering Genetic Gains in Farmers' Fields /Cereal Seed Systems

Major Activities:

1. Cluster Demonstration
2. Minikit Trials
3. Crop Cafeteria

1. Cluster Demonstration:

The cluster demonstration of paddy varieties CG Devbhog were conducted in 03 ha.

S. No	Variety Name	No. of Farmers
1	CG Devbhog	10

2. Minikit or Head-to-Head Trials:

A total of 15 Minikit (head-to-head trials) were conducted in KVK Rohtas Kharif 2023-24.

S. No	Variety Name	No. of farmers
1	Sabour Heera, HUR 917, NLR 40054, Telangana Sona, CG Devbhog	5

3. Crop Cafeteria:

A total of three rice varietal cafeteria was executed by KVK Rohtas in Kharif 2023-24. In each cafeteria a total of 20 rice varieties (including submergence tolerant, drought tolerant, bio-fortified, high yielding and few local popular varieties) demonstrated with a duration range of 110 to 150 days mostly targeting upland, medium and low land area.

Table : List of varieties used in cafeteria

S. No	Variety Name	Duration (Days)	Yield (t/ha)
1	NLR 4001	140-145	5.86
2	Swarna Samriddhi	135-140	6.45
3	NLR 40054	130-135	6.94
4	Telangana Sona	135-140	5.73
5	Sabour Heera	145-150	7.85
6	CO 56	135-140	6.82
7	DRR Dhan 50	135-140	6.41
8	HUR 917	135	6.10
9	CG Devbhog	135-140	7.86
10	Tripura Hakachuk-2	110-115	4.84
11	BRRI 100	120	3.86
12	Swarna Shreya	120	5.48

13	Bina 17	120	6.94
14	Rajendra Saraswati	120	5.63
15	BRRI 75	120-125	5.18
16	PR 130	130-135	5.56
17	BRRI 84	115-120	5.70
18	Bina Dhan 11	120	5.98
19	IR 64 Sub1	120-125	5.43
20	PR 126	125-130	5.68

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

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