PROFORMA FOR ANNUAL REPORT 2024 (01st January- 31st December 2024)

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	
KVK, Madhopur, P.O. Madhopur (West Champaran) Pin 845454	6287797160	-	head.kvk.madhopur@rpcau.ac.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	
Dr.RPCAU, Pusa, Samastipur-848 125, Bihar	06274-240226	06274-240255	svc@rpcau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Abhishek Pratap Singh	8409999358	6287797160	head.kvk.madhopur@rpcau.ac.in

1.4. Year of sanction of KVK with council order No. and date: **2391, Dated: 01-07-2004**

1.5. Year of start of KVK: **10, July 2004**

1.5. Staff Position (**as on 31st December 2024**)

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. Abhishek Pratap Singh	Sr. Scientist & Head	Horticulture (Vegetable Science)	37400-67000 139400/-	08.11.2023	Permanent	Others
2.	Subject Matter Specialist	Dr. Chelpuri Ramulu	SMS	Ag. Engg.	15600-39000 56100/-	09.03.2022	Permanent	Others
3.	Subject Matter Specialist	Mr. Saurabh Dubey	SMS	Plant Protection	15600-39000 56100/-	10.03.2022	Permanent	Others
4.	Subject Matter Specialist	Dr. Harsha B. R.	SMS	Crop Production	15600-39000 56100/-	10.03.2022	Permanent	Others
5.	Subject Matter Specialist	Dr. Jagpal	SMS	Fisheries	15600-39000 56100/-	18.09.2022	Permanent	SC
6.	Subject Matter Specialist (Home Science)	Vacant	-	-	-	-	-	-
7.	Subject Matter Specialist (Horticulture)	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Vacant	-	-	-	-	-	-
9.	Computer Programmer	Vacant	-	-	-	-	-	-
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Mr. Abdhesh Kumar	Assistant	Graduation	9300-34500 42300/-	23.11.2017	Permanent	OBC
12.	Stenographer	Vacant						
13.	Driver	Mr. Kamlesh Kumar Yadav	Jeep Driver	Matric	5200-20200 23800/-	22.03.2021	Permanent	OBC
14.	Driver	Mr. Shailendra Kumar Yadav	Tractor Driver		5200-20200 23800	26.02.2021	Permanent	OBC
15.	Supporting staff	Mr. Manoj Kumar Rajak	Skilled Supporting Staff	Graduation	5200-20200 19700/-	02.03.2021	Permanent	SC
16.	Supporting staff	Mr. Dilkhush Kumar	Skilled Supporting Staff	B.Sc (Hons.)	5200-20200 19700/-	04.03.2021	Permanent	Others

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	0.6	Administrative Building, Kisan Chatrawas, Apartment, Godown, Shade
2.	Under Demonstration Units	1.0	Azola production unit, Polyhose, Shadenet, Implement shade, Mushroom hut, Fisheries pond, Biochar unit, natural Farming unit, IFS Model
3.	Under Crops	13.0	Wheat, Rice, Pigeon peas, Lentil, Green gram, Sugarcane
4.	Orchard	4.0	Mango, Litchi, Guava, Banana, Aonla
5.	Agro-forestry	-	-
6.	Others with details	1.4	Landscaping and Aesthetic Purposes
	Total	20.0	

**Total area should be matched with breakup*

1.7. Infrastructure Development:
A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Completed	496.75	Under use	ICAR
2.	Farmers Hostel					Completed	373.91	Under use	ICAR
3.	Staff Quarters (6)					Completed	232.31	Partially in use	ICAR
4.	Piggery unit					-	-	-	-
5	Fencing					Completed about 1 km needs to be elevated	-	-	-
6	Rain Water harvesting structure					-	-	-	-
7	Threshing floor					Completed	103.32	Under use	ICAR
8	Farm godown					Completed but needs to repair	30	Under use	ICAR
9.	Dairy unit					-	-	-	-
10.	Poultry unit					Completed	110	Under use	ICAR
11.	Goatry unit					Completed	50	Under use	ICAR
12.	Mushroom Lab					Completed	70	Under Progress	NABARD
13.	Mushroom production unit					Completed	40	Under use	ICAR
14.	Shade house					Completed	280	Under use	ICAR

15.	Soil test Lab					-	-	-	-
16	Others, Please Specify (Custom Hiring Centre)					Completed	689.2	Under use	Bihar 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
Tractor (03)	2005	5,22,900	1493 Hrs.	Functional
	2019	626743-00	1690 Hrs. (Farm Tractor),	Functional
	2019	482076-60	248 Hrs.	Functional
Tractor under CRA Prog	2021		1370 Hrs.	Functional
Jeep (Bolero)	2005	4,26,540	2,73,000	Not working/Condemned
Bolero			86142 Km	
Motorcycle (02)	2016	1,00,676.00	-	Non-Functional
Suzuki Scotty	2021	61648.64	5003 Km	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Digital Camera (02)	2007	6,135.00	Non-Functional	
Generator (03)	2007	72000.00	Functional	
	2010	56,800.00	Functional	
	2017	4,70,405.00	Functional	
Computer (02)	2007	Dr. RPCAU, Pusa	Non-functional	
	2017	24000.00	Functional	
HP Computer (ARYA)	2019	24488.00	Functional	ICAR
HP Desktop G5400	2020	24488.00	Functional	
Computer	2023	24900.00	Functional	ICAR
Computer	2023	24900.00	Functional	ICAR
Lenevo Desktop	2024	49000.00	Functional	Revolving
LG, TV	2023	49000.00	Functional	ICAR
AC (2)	2023	100000.00	Functional	ICAR
HP Laptop	2025	30000.00	Functional	NABARD
Hatching Machine	2024	48000.00	Functional	ICAR
Photocopy	2007	Dr. RPCAU, Pusa	Non-Functional	

Fax Machine	2010	14,327.00	Non-Functional	
Video Digital Photo Camera (01)	2008	Dr. RPCAU, Pusa	Non- Functional	
LCD (01)	2009	Dr. RPCAU, Pusa	Functional	
TV(01)	2016	50,299.00	Functional	
Refrigerator	2016	21,600.00	Functional	
Soil testing Lab (02)	2015	75,000.00	Non-Functional	
	2017	86,000.00	Non-Functional	
Printer Canon (ARYA)	2019	11,440.00	Functional	
Hand Digital buta refractor meter	2019	3498.00	Functional	
Revolving Chair	2019	12,478.00	Functional	
Sofa Set (01)	2019	45,499.00	Functional	
Projector	2019	22,335.00	Functional	
Laptop	2019	2,15,100.00	Functional	
Air conditioner LG (03)	2019	1,11,657.00	Functional	
Air conditioner LG (02)	2023	92173.00	Functional	
Havel's Heater	2019	11,799.00	Functional	
Lumens SVGA Business Projector	2019	22335.00	Functional	
Automatic Spiral/Comb Binding Machine	2019	6565.00	Functional	
Hand refractomter (0-32%) FRMA 032Brix Digital BUTYRO REFRACTOMETER FOR DAIRY PRODUCTS(1pcs)	2019	3498.00	Functional	
Duplex Network LASER JET PRINTER WIFINECK CANON MODEL LBP 151 DW	2019	11440.00	Functional	
HP DESKTOP PRO G5400MT 413V190 (Computer)	2019	24488.00	Functional	
V-GUARD STABLIZER (1PCS)	2019	7500.00	Functional	
Computer Table LXDXH 1200milimeter 610mm760mm three layer (2pcs)	2020	8400.00	Functional	
Honey extractor (1pcs)	2020	8600.00	Non-Functional	
Canon Scan lide-300	2020	4000.00	Functional	
HP Desktop G5400	2020	24488.00	Functional	
Almirah	2020	24999.00	Functional	
Almirah	2020	24773.00	Functional	
Kisngs office visiter chairs (05Nos)	2020	24700.00	Functional	
Executive table (01No)	2020	37990.00	Functional	
V. Guard Stablizer (02Nos)	2020	15000.00	Functional	
Steel Almirah Gold	2020	14993.00	Functional	
Office Table Tag	2020	14990.00	Functional	

Table Novak CM3	2020	20380.84	Functional	
Exide Automotive Battery XP 800	2020	6150.00	Functional	
Bajaj GX10 Mixer Grinder	2020	5039.16	Functional	
60kg Electric hanging Weighing Machine	2021	3304.00	Non-Functional	
Samsung Galaxy M31/0CUN.BINC (1pcs)	2021	16,999.00	Functional	
TATA Battery 1000Amp. (2 no.)	2021	15900.00	Functional	
HP Printer NS Laser MFP 1200W	2021	16271.19	Functional	
Sermcode Incubator warranty 3 yrs	2021	1,76,000	Functional	
Labtech Autoclave	2021	1,40,000.00	Functional	
A wist vertical laminar air flow (1pcs)	2021	1,64,000	Functional	
1.MTU.UPS-1100S/20 (1pcs) 2.Exide-IT 500(1pcs) 3.Old Scrap Battery (1pcs)	2022	14350.00/	Functional	
Supreme Premium chair (19 no.) & Supreme stool (03 no.)	2022	24725.00	Functional	
Novak cm1 Code 692010 Notice Board 1200 X 625 mm	2022	21398.00	Functional	
Novak cm 3 Dim 1500WX750Dx750H (1pcs)	2022	23,378.29	Functional	
Novak cm 3 Dim 1500WX750Dx750H	2022	23,378.29	Functional	
Novak cm 3 Dim 1500WX750Dx750H (1pcs)	2022	23,378.29	Functional	
Chair Hydraulic gas lift(1pcs) Chair Chrome Base(1pcs)	2022	3700.19	Functional	
Photocopier-cum- Fax Machine	2022	208,134.00	Functional	
Exide Battery (1) Inverter (1pcs)	2022	24900.0	Functional	
Streetlight (2pcs)	2022	3700.00	Functional	
Inverter (1 pcs) Wire (1pcs)	2022	7800.00	Functional	
Exhibition Sofa Set	2022	20,500.00	Functional	
BS4 Office/Visitor Chairs with seat D XWX4500 mm 470 mm 480 mauled plywood (07)	2022	41,769.00	Functional	
Trunk/box	2022	4800.00	Functional	
Steel Trunk/baxa (3X2) feet (1)	2022	1200.00	Functional	
Toofan Fan	2022	3500.00	Functional	
Farrata Fan	2022	8000.00	Functional	
Queue 259w 150c, maximum 1400 wt	2022	71848.00	Functional	

95 litre hot air oven (1)				
Usha Stainless Steel Grade Aisi 304, Thickness solar power drinking water cooler capacity 40 litre (1pcs)	2022	37,583.00	Functional	
Queue Single door 260 to 340 litre laboratory refrigerator	2022	1,49,788.00	Functional	
V. Guard Stablizer (02Nos)	2023	7627.12	Functional	
32'MI LED TV	2023	14986.00	Functional	used for CCTV
LG LED 55UQ TV	2023	47000.00	Functional	used for Training
CCTV Camera and accessories	2023	17485.40	Functional	
LG Microwave oven	2023	20000.00	Functional	
b. Farm machinery				
Queue General Seed Germinator equipment capacity 170 litre HSN Code 84198960	2022	3,39,800.00	Functional	
Potato Digger	2022		Functional	CRA
Raised Bed Planter	2022		Functional	CRA
Trencher	2022		Functional	CRA
Bush Cutter	2022		Functional	Revolving
Power sprayer	2022		Working	Revolving
Brush Cutter 4 strok	2023	16,000.00	Functional	NICRA
c. AV Aids				
Iron Board (30B) Size 30x5.1 (153 kg)	2022	15300.00	Functional	
Iron Board (3B) Size 4X3 (140.4 kg)	2022	14040.0	Functional	
Iron Board Size 6 X 5 X 3 (59.5kg)	2022	6545.00	Functional	

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Multi Crop Thresher, Rotavator, Cultivator, Knap Sac Sprayer	2011-12	2,00,000.00	Working –Rotavator Multi crop thresher and cultivator	
Thresher, Rotavator, Power reaper, Zero Tillage Machine, Weighing machine, Cultivator, Sprayer, Disc harrow, Winnower	2011-12	4,44,000.00	Working-Rotavator, Weighing machine Cultivator Disc harrow and Winnower	
Multi Crop Thresher, Rotavator, Cultivator,	2011-12	2,00,000.00	Working –Rotavator	

Knap Sac Sprayer			Multi crop thresher and cultivator	
Thresher, Rotavator, Power reaper, Zero Tillage Machine, Weighing machine, Cultivator, Sprayer, Disc harrow, Winnower	2011-12	4,44,000.00	Working-Rotavator, Weighing machine Cultivator Disc harrow and Winnower	
Multi Crop Thresher, Rotavator, Cultivator, Knap Sac Sprayer	2011-12	2,00,000.00	Working –Rotavator Multi crop thresher and cultivator	
Thresher, Rotavator, Power reaper, Zero Tillage Machine, Weighing machine, Cultivator, Sprayer, Disc harrow, Winnower	2011-12	4,44,000.00	Working-Rotavator, Weighing machine Cultivator Disc harrow and Winnower	
Multi Crop Thresher, Rotavator, Cultivator, Knap Sac Sprayer	2011-12	2,00,000.00	Working –Rotavator Multi crop thresher and cultivator	
Thresher, Rotavator, Power reaper, Zero Tillage Machine, Weighing machine, Cultivator, Sprayer, Disc harrow, Winnower	2011-12	4,44,000.00	Working-Rotavator, Weighing machine Cultivator Disc harrow and Winnower	
Multi Crop Thresher, Rotavator, Cultivator, Knap Sac Sprayer	2011-12	2,00,000.00	Working –Rotavator Multi crop thresher and cultivator	
Thresher, Rotavator, Power reaper, Zero Tillage Machine, Weighing machine, Cultivator, Sprayer, Disc harrow, Winnower	2011-12	4,44,000.00	Working-Rotavator, Weighing machine Cultivator Disc harrow and Winnower	
Multi Crop Thresher, Rotavator, Cultivator, Knap Sac Sprayer	2011-12	2,00,000.00	Working –Rotavator Multi crop thresher and cultivator	
Multicrop thresher make Agrimax	2020	128800.00	Functional	
Lesser Land Leveler	2020	291200.00	Functional	
Zero Till Seed Cum Fertilizer dril	2020	43120.00	Functional	
Mini Dal Mill	2020	94500.00	Functional	
Reversible Plough two bottom	2020	114240.00	Functional	
Hydrulic Disc Harrow	2020	84000.00	Functional	
Multi crop/inclined plate Multi-crop	2020	99799.00	Functional	
Self-propelled reaper cum binda	2020	5,20,000.00	Functional	
Mulchar 66B mounted type with 2P.T.O Shift and PIN 04PC straw shredder mulcher	2020	157138.50	Functional	
Chain saw falcon petrol engine	2020	23998.84	Functional	
Potato Planter NSEPP2R	2021	2,17,000.00	Functional	
Agril. Rotavator	2021	96,240.00	Functional	
Tractor operated reaper-cum-binder	2021	3,42,000.00	Functional	
Multicrop Planter	2021	77549.00	Functional	

20Seater DLX AC Bus BS4	2021	20,82,739.00	Functional	
Leveler	2021	18000.00	Functional	
Sugarcane Bud Cutter	2021	4800.00	Functional	
Spray Machine Battery operated	2021	2870.00	Functional	
Third mechanical seeder 10tynes	2021	140000.00	Functional	
Cultivator	2021	29430.00	Functional	
Bag Closer Machine	2021	4816.00	Functional	
Rice-wheat seeder manual seeder 4Row Developed	2021	72000.00	Functional	
Zero Drill Seed Cum-Fertilizer	2021	72000.00	Functional	
Zero/Minimum Tillage Sugarcane Cutter Planter fitted with fertilizer broadcaster cane seed cut with seed Trelomet attachment (1)	2022	157000.00	Functional	

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Scientific cultivation in Field and Vegetable crops.
2.	Promotion of quality seed production.
3.	Promotion of farm mechanization.
4.	Promotion of bio-fertilizer, organic manure, INM.
5.	Promotion of cultivation of horticultural crops.
6.	Proper and scientific approach for increase the productivity of fishpond.
7.	Entrepreneurship development through formation of SHGs.
8.	Value addition of fruits and vegetables.
9.	Good agricultural practices in different crops.
10.	Integrated Farming System.
11.	Resource conservation technology.
12.	Double farmer’s Income (DFI).
13.	IPM and IDM.

2. a. District level data on agriculture, livestock and farming situation (2024)

Sl. No.	Items	Information
1	Major Farming system of the district	Rice- Wheat/ Rice- Sugarcane
2	One district one product (NITI Ayog)	Sugarcane Products
2	Agro-climatic Zone	Zone-1
3	Agro ecological situation	Forest areas in more than 91000 .0ha
4	Soil type	Sandy loam
5	Productivity of major crops of districts	
	Paddy	30 q/ha
	Wheat	29.6 q/ha
	Pulse	10.23 q/ha
	Oilseed	6.6 q/ha
	Veg. (name)	164q/ha
	Fruit (Name)	119q/ha
	Others	507q/ha
	Enterprises	-
6	Mean yearly temperature, rainfall, humidity of the district	Max temp- 41.6ºC, Min temp- 6ºC, Rainfall-1300mm, RH-88%
7	Production of major livestock products like, etc.	
	milk	1.68 Lakh MT/Annum
	egg	51 million Eggs/Year
	meat	-

Note: Please give recent data only

2.b. Details of operational area / villages (2024)

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.	Majhaulia	Majhaulia	Gorasemra Lal Saraiya	Sugarcane, Paddy, Potato, Pulses	Lack of improved variety, Low socio-economic status, lack of farm mechanization.	Supply of improved variety of Paddy, Rai, Lentil, Green gram, vegetables Advisory services for pest management, supply of Grubber, OFT Aonla Juice and Mooringaleaves
2.	Majhaulia	Majhaulia	Rulahi	Paddy, Rai, Lentil Green gram, R. culture, Wheat, Grubber, Mushroom spawn	Non-Availability of improved Varieties seed Insect, Pest & diseases infestation in all crops weed	Supply of improved variety of Paddy, Rai, Lentil, Green gram, Vegetables Advisory services for pest management, supply of Grubber, Mushroom production technology and supply of spawn, OFT
3.	Nautan	Nautan	Baikuthwa	Paddy, Rai, Lentil Green gram,R. culture, Wheat, Grubber, Mushroom spawn	Lack of Improved varieties, imbalance of fertilizer and pest management, Lack of farm mechanization., Lack of Skill towards Mushroom	Supply of improved variety viz Paddy Lentil, , Rai, Green gram, Vegetables, Grubber, Mushroom production technology and supply of spawn
4.	Majhaulia	Majhaulia	Jokatiya	Paddy, Rai, Lentil Green gram, R. culture, Wheat, Grubber, Mushroom spawn	Lack of improved variety, lack of skill towards bee keeping, poor farm mechanization.	Supply of improved variety seed viz Lentil, Rai, Moong, R.culture, Grubber
5.	Majhaulia	Majhaulia	Karamawa, Madhopur	Skill Development training on Mushroom Production, FLD on Enterprise development by Mushroom Production and OFT on drying of Oyster Mushroom	Lack of Skill of Mushroom production and processing	Supply of Mushroom spawn, Technology of Drying of Oyster Mushroom
6.	Bariya	Bariya	Bagahi-bagambarpur	Rai, Lentil, Grubber	Lack of improved variety, poor farm mechanization	Supply of improved variety seed viz Lentil, Rai, Culture, Grubber, OFT

2. c. Details of village adoption programme during 2024:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2024) for its development and action plan

Name of village	Block	Action taken for development
Karmwa, Madhopur, Rulahi, Lal Sarai, Senuaria, Dubauliya, Senuveria, Bakhari Bazar, Parsa	Majhaulia	NICRA, NARI, ARYA, NABARD Project, Nutrition gardening (under NARI), FLD on Mushroom production, Nutritional awareness, Swachhata Campaign, JalShakti, Poshan Abhiyaan and Tree plantation drive, Demonstration of different small tools for weeding
Rulahi	Majhauliya	1. Demonstration of improved varieties of Lentil, pigeon pea, green gram, Rai, vegetable, Grubber etc. 2. Training on: Vegetable production, Nutri Garden Bee keeping Vermi compost technology. Use of bio-fertilizers, bio-pesticides Demonstration of different small tools for weeding Improved weeding tools Micro irrigation system. 3. OFT (Okra and litchi)
Ahwarsheikh,	Bettiah	Demonstration of improved varieties of Lentil, Green gram, Rai, tomato, brinjal, Grubber etc.
Telhua, Gahiri, Jhkhara,	Nautan	CRA Project
Bairia	Bairia	NICRA
Naurangiya Done, Gobrahiya Done, Parsauni, Bairagi Sonversa,	Thakraha	Livelihood activities (Under NABARD Funded Project,)
Binbalia, ValmikiNagar, Santpur Sohariya, Daruabari	Bagaha 2	Livelihood activities (Under NABARD Funded Project), value addition to carrot, tomato, kadamb and locally available fruits and vegetables. Distribution of mushroom kits, FLD Mushroom etc.
Baikunthwa	Nautan	1. Demonstration of improved varieties of Lentil, pigeon pea, Green gram, Rai, vegetable, Grubber etc. 2. Training on: Vegetable production Mushroom production bee keeping Use of bio-fertilizers, bio-pesticides Demonstration of different small tools for weeding

		Micro irrigation system FT
BagahiBagambarpur	Bariya	1.Demonstration of improved varieties of Rai, 2. Training on: Use of bio-fertilizers, bio-pesticides
Gahiri	Nautan	1. Demonstration of improved varieties of Lentil, pigeon pea, Green gram, Rai, vegetable, Grubber, vegetables kit for poshanvatika, Planting material distribution of aonla,Jamun,etc. 2. Demonstration under CRA project 2. Training on: Use of bio-fertilizers, bio-pesticides Demonstration of different small tools for weeding Improved weeding tools Micro irrigation system
Pakaria	Nautan	1. Demonstration under CRA project 2. Training on: Vegetable production INM, IPM. Use of bio-fertilizers, bio-pesticides Small tools for weeding micro irrigation system
Telua	Nautan	1. Demonstration under CRA project 2. Training on: Vegetable production INM, IPM, IDM. Use of bio-fertilizers, bio-pesticides Small tools for weeding Micro irrigation system

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2024

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
8	08	80	08	0	04	0	63	05	75	5	80	08	07	80	21	11	05	0	59	08	85	19	104

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
120	132	4800	209	214	354	366	1690	580	2253	1160	3413		879		1567	989	397	190	19879	11000	21843	12179	34022

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
3198	492	60	30	90	41	242	29	392	100	492		172	20	03	09	10	117	0	146	26	172

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Paddy (R. Neelam)	124	124	Miscellaneous	1.2	0.9
Wheat (DBW-252)	170.50	170.50			
Lentil (IPL 220)	8.0	8.0			
Pigeon Pea (R. Arhar-1)	27.0	27.0			
Seasame	1	1			
Ragi	1.35	1.35			

Livestock strains (in no's) and fish fingerlings produced (in lakh) *		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
Chicks	2000 Nos		
Duckling	230 Nos		

* 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	01	12	12
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management	**1**	**07**	**07**
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries	**2**	**14**	**14**
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	4	12	14
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	**1**	**07**	**07**
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management	1	7	7
6	Processing and Value addition			
7	Fisheries management	1	7	7

8	Others (waste, ITK etc)			
	Total	**2**	**14**	**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	2	4	28
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	2	4	28
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	**2**	**7**	**7**
4	Value Addition			
5	Others			
	Total	**2**	**7**	**7**

3.2.2 OFT (All discipline)

Plant Protection- 1

- **Thematic area: Pest Management**
- **Problem definition/Name of OFT:** Assessment of management practices for Red banded caterpillar in Mango

1.	Title of on farm Trial (OFT)	Assessment of management practices for Red banded caterpillar in Mango
2.	Problem diagnosed	Heavy Infestation level, reduced yields, and marketability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practices**: -Spray of chlorpyriphos as and when symptoms appear. **TO1**: Collection and destruction of all fallen fruits **TO_2:** Spray deltamethrin 0.0028 % (deltamethrin 2.8 EC@ 1ml/lit) at marble size and repeat after two weeks
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR
5.	Production system and thematic area	Horticultural crop and Pest Management
6.	Performance of the Technology with performance indicators	Fruit borer infestation, Yield, Net return, Gross return, B:C ratio
7.	Final recommendation for micro level situation	Need more to awareness and farmers' understanding about fruit borer management tactic and emphasizing the judicious use of insecticide and adopting integrated approaches.
8.	Constraints identified and feedback for research	limited access to information, financial constraints, and technical expertise, need to develop practical and sustainable solutions for pest management in horticultural crop.
9.	Process of farmers participation and their reaction	Farmers training and method demonstration, Diagnostic visit, Field Day and Krishan Ghosthi

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

Technology option	Infestation level				% reduction of fruit infestation over control	Yield (q/ha)	Cost of cultivation (Rs. /ha)	Gross return (Rs/ha)	Net return (Rs. /ha)	BC ratio
	% fruit infestation at early stage	% fruit infestation at early stage (after 1st spray)	% fruit infestation at later stage (after 2nd spray)	Mean fruit infestation % (after 1st + 2nd spray)						
Farmers Practices: - Spray of chlorpyriphos as and when symptoms appear	22.03	21.34	18.53	19.43	-	85	95000	3,40,000	255000	3.5
TO_1: Collection and destruction of all fallen fruits Spray of deltamethrin 0.0028 % @ 1ml/lit	25.211	09.34	05.42	7.38	62.01%	160	105000	6,40,000	560000	6.0
TO_2: Sprays of thiacloprid 21.7 SC 0.04 % (@ 2ml/lit)	23.20	11.64	09.29	10.25	47.24%	120	120000	480000	360000	4.0
SEM (±)						1.01	-	-	-	-
CD (5%)						9.13	-	-	-	-

Result: An on-farm trial for studying **Assessment of management practices for red banded caterpillar in mango** was conducted in 07 different locations in West Champaran district of Bihar. Based on data, it is evident that the traditional farmer's practice, which involves the spray of chlorpyriphos as and when symptoms appear, has a relatively high infestation level (20% at the early stage and 50% at harvest stage). The yield is also lower compared to the other technology options. Among the technology options (farmer's practice, TO2, and TO3), TO2 appears to be the most effective in reducing fruit infestation levels and maximizing yield. This approach shows a significant reduction in infestation levels (5% at the early stage and 12% at harvest stage) and results in a high yield of 190 q/ha. The cost of cultivation is reasonable, and the net return is substantially higher compared to the farmer's practice. TO3, while better than the farmer's practice, is not as effective as TO2. It shows an 8% infestation level at the early stage and a 20% infestation level at harvest stage, with a yield of 130 q/ha. The cost of cultivation is lower than TO2, but the net return is also lower. In conclusion, TO2 (collection and destruction of fallen fruits followed by the spray of deltamethrin) is the most effective and economically

viable option among the assessed management practices for red banded caterpillar in mango. TO3 is an improvement over the farmer's practice but does not perform as well as TO2 in terms of reducing infestation levels and maximizing yield. Therefore, TO2 is recommended as the preferred management practice for red banded caterpillar in mango.



OFT (Plant Protection)-II

- **Thematic area: Disease Management**
- **Problem definition/Name of OFT: Assessment of fungicides for the management of Sheath blight of Rice.**

1.	Title of on farm Trial (OFT)	Assessment of fungicides for the management of Sheath blight of Rice.
2.	Problem diagnosed	Farmers lacking awareness regarding the management of soil-borne diseases in rice.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	**Farmers Practices**: -Spray of hexaconazole 5 EC **TO1**: Spray of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha. **TO_2:** Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting).
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR
5.	Production system and thematic area	Crop Production & Disease Management
6.	Performance of the Technology with performance indicators	Disease Severity, No. of tillers/hill 90 DAT, Germination Percentage, No. of tillers/hill, Yield and BC ratio
7.	Final recommendation for micro level situation	Need more to awareness and farmers' understanding about soil-borne disease management and emphasizing the judicious use of fungicides and adopting integrated approaches.
8.	Constraints identified and feedback for research	limited access to information, financial constraints, and technical expertise, need to develop practical and sustainable solutions for disease management in rice.

9.	Process of farmers participation and their reaction	Farmers training and method demonstration, Diagnostic visit, Field Day and Krishan Ghosthi

Technology option	**Disease severity (%)**				**Yield (q/ha)**	**Cost of cultivation (Rs. /ha)**	**Gross return (Rs/ha)**	**Net return (Rs./ha)**	**BC ratio**
	Before Spray	After Spray	Average	Percent reduction Over FP					
Farmers Practices: -Spray of hexaconazole 5 EC	13.0	78.33	32	-	30.50	46,000	54900	18375	1.19
TO_1: Spray of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha.	15.0	82.0	19	32.50	42.88	46,980	77184	35488	1.70
TO_2: Spray of Thifluzamide 24 SC @ 1ml /liter of water (45 days after transplanting).	18.0	89.0	12	13.83	34.12	47,270	61416	25652	1.39
CD (5%)	4.04	3.01	4.25	-	2.70	-	-	-	-
CV	15.14	10.32	13.73		6.32	-	-	-	-
SEm	0.98	0.86	0.92	-	0.88	-	-	-	-

Result: Based on the above data for the assessment of fungicides for the management of sheath blight of rice, al three technology options (TO1, TO2, and TO3) have been evaluated for no of tillers/hill, germination percentage, Disease severity, yield components, cost of cultivation, gross return, net return, and benefit-cost ratio. where TO3 (Spray of Thifluzamide 24 SC@ 1ml /liter of water, 45 days after transplanting) has the highest No. of tillers/hill, germination percentage, less disease severity, highest yield, gross return, net return, and benefit-cost ratio among the three options. TO2 performs better than TO1 in terms of No. of tillers/hill, germination percentage, less disease severity, highest yield, gross return, net return, and benefit-cost ratio. The Farmers' Practice (TO1) shows a moderate yield with a benefit-cost ratio of 1.20. Disease severity is relatively high at 32 %, indicating the need for improved management practices. Based on the results, TO3 is the most effective technology option for managing sheath blight of rice, providing the highest economic returns and disease control. Farmers are recommended to adopt TO3 for better sheath blight management and improved economic outcomes compared to the other options.

B. Results with Table and good quality photographs in jpg

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

OFT - I (Agricultural Engineering)

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

1.	Title of On farm Trial (OFT)	Assessment of happy seeder for wheat sowing under crop residue management
2.	Problem diagnosed	Reduction of Crop residue burning and cost of sowing
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O. I (Farmer practice): Broadcasting T.O.2: Sowing of wheat by happy seeder incorporating by crop residue T.O.3: Sowing of wheat by zero till drill under no tilled soil
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU Ludhiana
5.	Production system and thematic area	Wheat Sowing
6.	Performance of the Technology with performance indicators	B:C ratio, Net Return, Gross return, cost of cultivation

7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	Crop residue burning
9.	Process of farmers participation and their reaction	Group meeting

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					
Farm Mechanization	FP : Conventional tillage (2 harrowing + 2 ploughing) + Broadcasting	0.4	0.4	35.42	35000	67298	32298	1.92
Farm Mechanization	TO_1 : Sowing with zero till cum ferti seed drill (No Till or Zero tillage)	0.4	0.4	46.78	30450	92390	61940	3.03
Farm Mechanization	TO_2 : Sowing with Happy Seeder (No Till)	0.4	0.4	48.1	31350	98513	67163	3.14


OFT -II (Agricultural Engineering)

- **Thematic area: Agricultural Engineering**
- **Problem definition/Name of OFT: Assessment of different planting techniques of Maize**

1.	Title of On farm Trial (OFT)	**Assessment of different planting techniques of Maize**
2.	Problem diagnosed	Manual Seeding, Drudgery in operation, Labor intensive operation, Shortage of labour,
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1: Farmers practice T2- Manual Dibbler (Vertical) T3- Manual Rotary Dibbler
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIAE Bhopal
5.	Production system and thematic area	Farm Mechanization
6.	Performance of the Technology with performance indicators	Technical indicator (Labor saving, Field Capacity, Germination %, Heart Rate, BP, Mean Skin Temperature, O2level, ODR, Energy expenditure rate (kJ/min)) (ii) Economic indicator (Yield, B:C) (iii) Farmer perception
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Group meetings and training

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					
Farm Mechanization	T1: Farmers practice	1	1	Crop Standing				
	T2- Manual Dibbler (Vertical)	1	1					
	T3- Manual Rotary Dibbler	1	1					

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

OFT-I (Crop Production)

- **Thematic area:** Integrated Nutrient Management
- **Problem definition/Name of OFT:** Improvement of Nitrogen use efficiency in wheat

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen use efficiency in wheat
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technological Options: Technology Details Farmer Practice: RDF (100:40:20) 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
4.	Source of Technology	As per proceedings of OFT workshop of ATARI-Zone 4 of crop

	(ICAR/ AICRP/SAU/other, please specify)	production discipline held on 01-03rd September, 2022 at BAU, Sabour
5.	Production system and thematic area	Wheat based crop system with Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	Plot size (10x10 m2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m2,1000 grain wt., Panicle wt., Straw yield and Economics.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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**					
Integrated Nutrient Management	Farmer Practice: RDF (100:40:20) Kg/ha	1	1	Crop Standing				
	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							

Input demonstration on wheat crop in Farmer's field

Spraying of Nano-urea in Wheat crop

OFT-I (Fisheries)

- **Thematic area:** Fish Seed Production and Nursery Management
- **Problem definition/Name of OFT:**

1.	Title of On farm Trial (OFT)	Establishment of Happa in the Pond to Develop Fish Fry to Fingerling Stage in Controlled Condition
2.	Problem diagnosed	Higher fish seed cost , Mortality of fishes during early stage due to management issues like feed&feeding, water quality, predators, etc.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O.1-Establishment of Happa (5mx3mx1.5m) in the pond + 25 days rearing with 40% protein diet T.O.2-Establishment of Happa (5mx3mx1.5m) in the pond + 35 days rearing with 40% protein diet T.O.3-Establishment of Happa (5mx3mx1.5m) in the pond + 45 days rearing with 40% protein diet
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR, CIFA
5.	Production system and thematic area	Fish Seed Production and Nursery Management
6.	Performance of the Technology with performance indicators	Length, Initial weight, Final Wight gain, Weight gain, Survival & B:C ratio
7.	Final recommendation for micro level situation	TO2 is recommended as preferred for the rearing of fish fry to fingerling in the hapa for a culture duration of 35 days under controlled conditions
8.	Constraints identified and feedback for research	The cloth used for making hapa pore chocked after a few days not durable it should use Nylon cloth for making hapa,Further there is a need to rear the spawn under controlled conditions with an appropriate feed and feeding schedule
9.	Process of farmers participation and their reaction	

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/Survival (%)	Cost of cultivation (Rs./m3)	Gross return (Rs/m3)	Net return (Rs./m3)	BC ratio
		Proposed	Actual					
Fish Seed Production and Nursery Management	Farmer Practice			53.50	140	267.5	127.5	1.91
	T.O.1-Establishment of Happa (5mx3mx1.5m) in the pond + 25 days rearing with 40% protein diet			73.57	151.15	355.31	205.55	2.36
	T.O.2-Establishment of Happa (5mx3mx1.5m) in the pond + 35 days rearing with 40% protein diet			73.61	157.80	471.09	313.29	2.99
	T.O.3-Establishment of Happa (5mx3mx1.5m) in the pond + 45 days rearing with 40% protein diet			72.89	164	466.5143	302.5143	2.84

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

- **Thematic area:** Carp poly culture, Fish Production
- **Problem definition/Name of OFT:**

1.	Title of on farm Trial (OFT)	**Assessment of growth of periphyton using colored plastic sheets in pond as a natural feed for the rohu fish**
2.	Problem diagnosed	Lower survival with higher stocking density Lower production Level Lower market price Sensitive for fluctuations in water quality parameters Low or no acceptability of the fishes of less then ½ kg weight
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-2 Carp Culture with Feeding @ 3 % body weight TO2- Carp Culture with Feeding @ 3 % body weight+ Colored plastic sheets for periphyton growth
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR, CIFA
5.	Production system and thematic area	FP- Carp Culture without plastic sheet
6.	Performance of the Technology with performance indicators	Length and weight, SGR, FCR
7.	Final recommendation for micro level situation	Ongoing
8.	Constraints identified and feedback for research	Ongoing
9.	Process of farmers participation and their reaction	Ongoing

OFT-I (Home Science)

- **Thematic area:** Food and Nutrition Security
- **Problem definition/Name of OFT:** Prevalence of Anaemia among farm women/Evaluation of Aonla and Moringa leaves based dietary supplements to combat Anaemia

1.	Title of On farm Trial (OFT)	Evaluation of Aonla and Moringa leaves based dietary supplements to combat Anaemia among farm women
2.	Problem diagnosed	Prevalence of Anaemia among farm women
3.	Details of technologies selected for **assessment**/refinement (Mention either Assessed or Refined)	**T.O. 1 : F.P.:** Daily diet of farm women **T.O. 2 :** Supplementation of daily diet of farm women with Aonla juice (10ml/day for 3days a week) **T.O. 3 :** Supplementation of daily diet of farm women with Aonla juice (10ml/day for 3days a week) and dried Moringa leaves powder (5gm/day for 3 days a week)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	National Institute of Nutrition, Hyderabad

5.	Production system and thematic area	Food and Nutrition Security
6.	Performance of the Technology with performance indicators	Weight, Improvement in the hemoglobin (Hb) level, cost of production and B:C ratio
7.	Final recommendation for micro level situation	Use of iron enhancer (Aonla Juice 10ml/day)and dried mooringa leave powder (5 gm/day) for twice a week, Fresh leaves of mooring may be used in diet occasionally
8.	Constraints identified and feedback for research	Poor consumption of mooringa leaves powder and bitter taste of Aonla Juice is less acceptable / Fresh leaves of mooring may be used in diet occasionally, honey may be taken to overcome bitter taste of Aonla juice
9.	Process of farmers participation and their reaction	Training, KisanGosthi, short lecture, camp

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

Thematic area: Nutritional Security

Problem definition: Low iron intake due to lack of nutrition education

Technology assessed: Selected for assessment/refinementEvaluation of Aonla and Moringa leaves based dietary supplements to combat Anaemia among farm women

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		Average Increase in wt. (in Kg)	Increase in Hb (%)	Cost of Production (Rs./Head)	Acceptability
		Proposed	**Actual**				
Nutritional Security	Technology Option-I(Farmer practice): Daily diet of farm women.	7	10	0.05	9.86	54.60	-
	Technology Option-II: Supplementation of daily diet of farm women with Aonla juice (10ml/day for 3days a week for 3 months)			0.10	11.53	65.50	Fair
	Technology Option-			0.08	13.02	66.50	Fair

	III: Supplementation of daily diet of farm women with Aonla juice and dried Moringa leaves powder Aonla juice (10ml/day for 3days a week) and dried Moringa (5gm/day for 3 days a week for 3 months)						

Results: For improving the nutritional status of the farm women, T.O.IIIAonla juice (10ml/day/subject) and dried leaves of mooringa oliferra@5gm/day/subject was the best giving the increase in Hb content by (13.02) and body wt.by (0.13kg.)

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

OFT- II (Home Science)

- **Thematic area:** Food and Nutrition Security
- **Problem definition/Name of OFT: Prevalence of malnutrition among preschool children/**
  Assessment of food based dietary supplements to combat malnutrition among preschool children

1.	Title of On farm Trial (OFT)	Assessment of food based dietary supplements to combat malnutrition among preschool children
2.	Problem diagnosed	Prevalence of malnutrition among preschool children
3.	Details of technologies selected for **assessment**/refinement (Mention either Assessed or Refined)	**T.O. 1 : F.P.:** Daily diet of preschool children **T.O. 2 :** Supplementation of daily diet of preschool children with Food supplement (EDNF) developed by RAU, Pusa **T.O. 3 :** Supplementation of daily diet of preschool children with Poshak laddu developed by RPCAU, Pusa for Anganwadi children
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Dr.RPCAU, Pusa
5.	Production system and thematic area	Food and Nutrition Security
6.	Performance of the Technology with performance indicators	Improvement in the weight and height among the preschool children
7.	Final recommendation for micro level situation	These additional nutritive foods may be included along with menu of Anganwadi centers, and farm women must be trained in preparation of these health foods.
8.	Constraints identified and feedback for research	Poshak Laddu comparatively less accepted as compared to EDNF in terms of its taste and appearance, Prepared materials must be consumed within 15days (shelf life)
9.	Process of farmers participation and their reaction	Training, short lecture, group meetings

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)**	Average Increase in	Increase in Height	Cost of Production	Acceptability

		Proposed	Actual	wt. (in Kg)	(cm)	(Rs./Head)	
Nutritional Security	Technology Option-I(Farmer practice): Daily diet of preschool children	7	10	0.36	1.68	26.50	-
	Technology Option-II: Supplementation of daily diet of preschool children with Poshak laddu developed by RPCAU, Pusa for Anganwadi children (1piece or 20gms./day) for 90 days			0.48	2.10	38.50	Fair
	Technology Option-III: Supplementation of daily diet of preschool children with Food supplement (EDNF) developed by RAU, Pusa (20gms./day) for 90 days			0.51	2.25	45.50	Good

Results: The result showed that the TO:III was the best option for improvement in weight (average 0.51kg) and height (average 2.25cm) of the preschool children and also more acceptable in terms of its organoleptic evaluation, followed by TO: II i.e. weight (average 0.48kg) and height (average 2.25cm).Although the cost of production is high in TO:III (45.50).

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

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S.No	Crop category		No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereals		1	1 hectare			
2.	Oil Seed		2	2 hectare	20	10.34	8.23
3.	Pulses						
4.	Horticulture Crops	Broccoli	1	1 hectare	30	145.5	110.85
		Turmeric	1	1 hectare	10	98 .29	86.89
5.	Other crops						
6.	Hybrid crop						
7.	Livestock		1	10 Nos	10	12.5 lit/animal	10.5/animal
8.	Fisheries						
9.	Other enterprises						
10.	Women empowerment						
11.	Farm Machinery		2	2 hectare	20	43.34	36.43
	Grand Total						

B. Details of FLDs conducted during the year 2024

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	Bio-fortified variety	Rajendra Gehu-3	05	1	Crop standing										
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
Mustard	Pest Management	Use of yellow sticky trap	10	1	10.34	8.23	25	19000	62000	43000	1:3.30	19000	54987	35987	2.89
Total			10	1	10.34	8.23	25	19000	62000	43000	1:3.30	19000	54987	35987	2.89

* 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
Broccoli (KTS-1)	Vegetable Production	Varietal testing at farmers field	30	1.0	145.5	110.85	31.26	34,500	181875	147375	5.2	31,500	127477	95977	4.05

Turmeric	INM	Application of NPK consortia in Turmeric for INM	20	1.0	98.29	86.89	11.59	56876	707688	650812	12.44	54876	605608	550732	11.035
Cauliflower	INM	Use of vegetable special as source of micronutrientin cauliflower	20	1	109.50	87.15	25.64	29,100	152819	123719	5.25	25,500	107477	81977	4.21
Bitter gourd	Varietal	Kashi Pratishtha	20	2.0	265	214	23.83	84500	318000	233500	3.76	84500	256800	172300	3.03
	Total		90	5	618.29	498.89	92.32	2,04,976	1360382	1155406	26.65	1,96,376	1097362	900986	22.325

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

5. Other crops

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

	Total																

6. Demonstration details on crop hybrid varieties

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

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

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

** BCR= GROSS RETURN/GROSS COST

7. Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy	Animal Live stock Production	Supplementation of mineral mixture to the milking animals	10	10	12.25	10.50	16.70	-	-	6250	14490	8240	2.32	5950	11800	5850	1.9831 93
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	

Others (Pl. specify)																	
Total			10	10	12.25	10.50	16.70	-	-	6250	14490	8240	2.32	5950	11800	5850	1.9831 93

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

8. Fisheries

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

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

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

10. Women empowerment

Name of technology	**No. of demonstrations**	**Name of technology**	**Observations**		**No. of Beneficiaries**
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden	2	Vegetable seeds kit	230	421	47
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					

Total - Children					
Other if any					
Total others					
Grand Total	02		230	421	47

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	1	Paddy wheat Seeder	Paddy	10	1	47.5	35.8	24.1	18	4500
Total Sowing and planting Machineries										
Intercultural operation tools and machineries	1	Wheel hoe	Paddy	10	1	48.20	36.5	32.05	16	4000
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	03/01/2024, 23/01/2024, 24/10/2024 and 28/12/2024	5	101	
2.	Farmers Training	17/01/2024, 19/10/2024	8	223	
3.	Media coverage	-	12	-	
4.	Training for extension functionaries	27/11/2024	1	23	




Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1	Mustard (Use of Yellow Sticky Trap for management of mustard aphid)	Effectively reduced aphid infestation, minimizing chemical use and promoting eco-friendly pest control.
2	Broccoli (Varietal testing of Broccoli at farmers field)	Demonstrated better adaptability, higher yield, and improved market acceptability.
3	Turmeric (application of NPK consortia in Turmeric for INM)	Enhanced growth, improved rhizome yield, and contributed to soil fertility.
4	Bitter gourd (varietal testing of Kashi Pratishtha)	Showed superior fruit quality, early maturity, and better pest resistance.
5	Cauliflower Use of vegetable special as source of micronutrient in cauliflower	Improved plant vigor, curd formation, and overall yield.

6	Vegetable seeds kit (IIVR & NSC)	FLD conducted on vegetable seeds kit as it was found that production of vegetables is very much and farm women sell the surplus of vegetables which was helpful in improving the nutritional security as well as economic welfare for farm women.

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)

(During Kharif, Rabi and Summer)

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1	Rabi	Mustard	150	429	HYV (R-	Local variety	Crop									

					Suflam) and Zero Tillage		Standing									
2	Rabi	Linseed	20	91	Pratap Alsi-2, Line sowing, IPM and INM	Local variety										
3	Rabi	Lentil	16	48	IPL-526, Line sowing, IPM and INM	Local variety		10.2	13.8	12.0	11.31					
4	Rabi 2023-24	Lentil	16	48	Improved variety (IPL 526) at 40 kg/ha + Seed treatment with Thiram at 3g/kg seed + Integrated nutrient Management (NPK consortium at 2 lt/ha & 20 kg/ha Sulphur) + Integrated pest management (Saaf at 2g/lt water and Emmamectin benzoate 5G at 1g/lt water)	Undescriptive variety at 50 kg/ha+ Imbalanced use of fertilizers	8.8	13.8	10.2	12.0	0.69	3.87	-3.0	6.1	47.6	-20.0

2. Economic parameters

S. No.	Detail of technology demonstrated	Farmer's existing practice				Demonstration technology				Additional Income (Rs/ha)
		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	IPL-526, Line sowing, IPM and INM	28300	56540	28240	1.99	29780	77100	47320	2.59	
2.	Improved variety (IPL 526) at 40 kg/ha + Seed treatment with Thiram at 3g/kg seed + Integrated nutrient Management (NPK consortium at 2 lt/ha & 20 kg/ha Sulphur) + Integrated pest management (Saaf at 2g/lt water and Emmamectin benzoate 5G at 1g/lt water)	22300	46903	24603	2.10	26780	77100	50320	2.87	2500

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Lentil	28050	28050	67.0	-	-	To improve livelihood	-
2	Improved variety (IPL 526) at 40	1200	1150	64.25	50		To improve livelihood	85

	kg/ha + Seed treatment with Thiram at 3g/kg seed + Integrated nutrient Management (NPK consortium at 2 lt/ha & 20 kg/ha Sulphur) + Integrated pest management (Saaf at 2g/lt water and Emmamectin benzoate 5G at 1g/lt water)							

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

S. No.	Detail of technologies demonstrated	Farmers' Perception parameters						
		Suitability of technology 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	Farmer feedback
1	IPL-526, Line sowing, IPM and INM	Yes	Yes	Yes	No	Yes	-	Zero tillage/line sowing is

								better for cost reduction than conventional
2.	Improved variety (IPL 526) at 40 kg/ha + Seed treatment with Thiram at 3g/kg seed + Integrated nutrient Management (NPK consortium at 2 lt/ha & 20 kg/ha Sulphur) + Integrated pest management (Saaf at 2g/lt water and Emmamectin benzoate 5G at 1g/lt water)	Very well	Highly preferred	40	no	Yes		Responded positively

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
IPL-526	Very good	Demo was better than local check	Satisfied
Improved variety (IPL 526) at 40 kg/ha + Seed treatment with Thiram at 3g/kg seed + Integrated nutrient Management (NPK consortium at 2 lt/ha & 20 kg/ha Sulphur) + Integrated pest management (Saaf at 2g/lt water and Emmamectin benzoate 5G at 1g/lt water)	Good	Very good	Responded positively

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field Day on Scientific cultivation of Lentil	23/03/2024 (Bahurwa)	51
2	Scientific cultivation of Mustard crop	16/10/2024 (Dubauliya)	28
3	Scientific cultivation of Mustard	26/10/2024 (kvk Madhopur)	31
4	Scientific cultivation of Linseed	22/11/2024 (Bahurwa)	34
5	INM & IPM Practice in mustard	28/12/2024 (Rulhi)	50
1	Training	20/11/2023, KVK, Madhopur	22
2	Training	24/11/2023, KVK, Madhopur	21
3	Field day	23/03/2024, Rulahi	51

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

Action Photographs

Training program under CFLD pulses (Lentil)

Visit of Lentil field at farmers field by Director, Directorate of Rice Development, Patna

Training cum input distribution program on CFLD pulses (Lentil)

Lentil crop at vegetative stage under CFLD pulses

Field day on Lentil

Lentil at Maturity stage

Training and Input Distribution under CFLD

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**	**Area (ha) allotted**	**Area (ha) achieved**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Mustard, Linseed	i) Critical input	16	16	6,75,000.00	6,75,000.00	0.00
	ii) TA/DA/POL etc. for monitoring					
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total	16	16	6,75,000.00	6,75,000.00	0.00

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

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

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	01	09	0	09	01	0	01	0	0	0	10	0	10
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	01	14	0	14	01	0	0	0	0	0	14	0	14
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	3	18	12	30	14	2	16	10	4	14	42	18	60
Water management													
Enterprise development													
Skill development	1	22	0	22	2	0	2	0	0	0	24	0	24
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	18	0	18	3	0	3	0	0	0	21	0	21
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	7	0	7	17	0	17	0	0	0	24	0	24
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards	1	20	0	20	2	0	2	0	0	0	22	0	22
Cultivation of Fruit													
Management of young plants/orchards	1	22	0	22	0	0	0	0	0	0	0	22	22
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	1	12	5	17	3	0	3	2	0	2	17	5	22
c) Ornamental Plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	01	15	01	16	0	0	0	0	0	0	15	01	16
Production and use of organic inputs	01	12	0	12	2	0	2	0	0	0	14	0	14
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	3	0	0	0	22	26	48	0	0	0	22	26	48
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	8	89	13	102	26	43	69	24	0	24	139	56	195
VII. Plant Protection													
Integrated Pest Management	02	04	0	04	0	0	0	39	06	45	43	06	49
Integrated Disease Management	04	106	0	106	27	02	29	0	0	0	133	02	135
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any	01	0	17	17	0	8	8	0	0	0	0	25	25
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & fish disease	2	36	0	36	9	0	9	0	0	0	45	0	45
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	30	0	30	1	0	1	0	0	0	31	0	31
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any (Mushroom)	**04**	**45**	**51**	**96**	**1**	**14**	**15**	**0**	**3**	**3**	**46**	**68**	**114**
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	31	368	48	416	120	81	200	75	10	85	540	161	701

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	4	10	23	33	39	20	59	40	58	98	89	101	190
Bee-keeping	1	32	04	36	0	0	0	4	0	4	36	04	40
Integrated farming													
Seed production													
Production of organic inputs	01	12	0	12	02	0	02	0	0	0	14	0	14
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	36	2	38	7	0	7	0	0	0	43	2	45
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	32	0	0	6	0	6	0	0	0	38	0	38
Sheep and goat rearing	2	24	0	0	6	0	6	0	34	34	31	34	34
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture	1	34	0	34	2	0	2	0	0	0	2	34	36
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	12	180	29	153	62	20	82	44	92	136	253	175	397

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	02	22	03	23	04	02	0	1	0	1	27	05	32
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology	1	12	02	22	4	0	4	02	0	02	20	2	22
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	33	6	39	1	2	3	0	0	0	34	8	42
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	0	18	18	0	7	7	0	0	0	0	25	25
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	6	67	29	102	9	11	14	3	0	3	81	40	121

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification	01	16	01	17	0	0	0	0	0	0	16	1	17
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fodder production	01	21	0	0	05	0	05	0	0	0	26	0	26
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	2	22	10	32	18	5	23	7	3	10	47	18	65
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	1	9	5	14	15	11	26	0	0	0	24	16	40
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	3	15	12	27	16	8	24	17	10	27	48	30	78
Others, if any (Cultivation of Vegetable)	3	26	8	34	15	5	20	22	18	40	63	31	94
Training and pruning													
b) Fruits													
Layout and Management of Orchards	2	18	8	26	8	4	12	5	3	8	31	15	46
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards	1	12	6	18	14	4	18	4	0	4	30	10	40
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	2	14	6	20	8	3	11	6	3	9	28	12	40
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and													

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
Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils	01	12	0	12	04	0	04	0	0	0	16	0	16
Micro nutrient deficiency in crops	01	15	02	17	0	0	0	0	0	0	15	02	17
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	1	0	0	0	13	7	20	0	0	0	13	7	20
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/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
empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	16	307	69	376	15	27	41	1	0	0	323	96	419
VII. Plant Protection													
Integrated Pest Management	05	120	31	151	1	1	02	0	0	0	121	32	153
Integrated Disease Management	04	46	18	64	27	52	79	11	21	32	84	91	175
Bio-control of pests and diseases	03	56	11	67	07	06	13	0	0	0	63	17	80
Production of bio control agents and bio pesticides													
Others, if any	06	144	09	153	26	31	57	21	10	31	191	50	241
VIII. Fisheries													

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
Integrated fish farming	1	17	0	17	3	0	3	0	0	0	20	0	20
Carp breeding and hatchery management	1	13	0	13	0	0	0	0	0	0	13	0	13
Carp fry and fingerling rearing	3	45	0	45	8	0	8	0	0	0	54	0	54
Composite fish culture & fish disease	2	38	2	42	12	0	12	0	0	0	50	2	52
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	2	15	0	15	0	0	0	18	0	18	33	0	33
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	2	10	0	10	9	16	25	0	0	0	26	9	35
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	2	12	10	22	11	26	36	0	0	0	23	36	59
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social													

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
capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	66	1003	208	1192	235	206	439	112	68	179	1358	475	1833

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

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

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

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	12	1	13	0	0	0	0	0	0	12	1	13
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	1	12	1	13	0	0	0	0	0	0	12	1	13

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	01	09	0	09	01	0	01	0	0	0	10	0	10
Resource Conservation Technologies	01	14	0	14	01	0	1	0	0	0	15	0	15
Cropping Systems													
Crop Diversification	01	16	01	17	0	0	0	0	0	0	16	1	17
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production	01	21	0	0	05	0	05	0	0	0	26	0	26
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	4	60	1	40	7	0	7	0	0	0	67	1	68
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	5	45	20	65	25	15	40	14	6	20	84	41	125
Water management													
Enterprise development													
Skill development	1	17	5	22	8	0	8	9	6	15	34	11	45
Yield increment													
Production of low volume and high value crops													
Off-season vegetables	2	25	7	32	8	6	14	9	6	15	42	19	61
Nursery raising	1	18	2	20	8	0	8	8	6	14	34	8	40
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	2	15	3	18	8	0	8	11	8	19	34	11	45
Others, if any (Cultivation of Vegetable)	3	22	8	30	16	4	20	25	19	44	63	31	94
TOTAL	14	142	45	187	73	25	98	76	51	127	291	121	410
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	20	8	28	0	0	0	8	4	12	28	12	40
Cultivation of Fruit													
Management of young plants/orchards	3	13	7	20	20	5	25	14	9	23	47	21	68
Rejuvenation of old orchards	1	12	5	17	6	5	11	8	4	12	26	14	40
Export potential fruits													

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
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	2	14	4	18	6	0	6	12	4	16	32	8	40
TOTAL	2	14	4	18	6	0	6	12	4	16	32	8	40
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management	01	15	01	16	0	0	0	0	0	0	15	01	16
Production and use of organic inputs	01	12	0	12	2	0	2	0	0	0	14	0	14
Management of Problematic soils	01	12	0	12	04	0	04	0	0	0	16	0	16

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
Micro nutrient deficiency in crops	01	15	02	17	0	0	0	0	0	0	15	02	17
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management	4	0	0	0	35	33	68	1	0	1	35	34	69
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL	8	54	3	57	41	33	74	1	0	1	95	37	132
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													

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
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	24	396	82	478	41	70	110	25	0	24	462	152	614
TOTAL	24	396	82	478	41	70	110	25	0	24	462	152	614
VII. Plant Protection													
Integrated Pest Management	04	21	10	31	16	10	26	04	08	12	47	22	69
Integrated Disease Management	07	42	19	61	17	25	42	10	13	23	69	57	126
Bio-control of pests and diseases	06	44	07	51	36	0	36	06	02	08	86	09	95
Production of bio control agents and bio pesticides													
Others, if any	04	38	10	48	1	0	1	4	10	14	43	20	63
TOTAL	21	145	46	191	70	35	105	24	33	57	245	108	353
VIII. Fisheries													
Integrated fish farming	1	17	0	17	3	0	3	0	0	0	20	0	20
Carp breeding and hatchery management	1	13	0	13	0	0	0	0	0	0	13	0	13
Carp fry and fingerling rearing	3	45	0	45	8	0	8	0	0	0	54	0	54
Composite fish culture & fish disease	4	74	2	78	21	0	21	0	0	0	95	2	97
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	3	45	0	45	1	0	1	18	0	18	64	0	64
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes	2	10	0	10	9	16	25	0	0	0	26	9	35
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition	2	12	10	22	11	26	36	0	0	0	23	36	59
Others, if any													
TOTAL	16	216	12	230	53	42	94	18	0	18	295	47	342
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any **(Mushroom Production)**	8	102	68	170	36	31	67	29	62	91	192	136	328
TOTAL	**8**	**102**	**68**	**170**	**36**	**31**	**67**	**29**	**62**	**91**	**192**	**136**	**328**
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	126	1570	363	1914	394	316	707	240	167	405	2242	809	126

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	**4**	**10**	**23**	**33**	**39**	**20**	**59**	**40**	**58**	**98**	**89**	**101**	**190**
Bee-keeping	**1**	**32**	**4**	**36**	**0**	**0**	**0**	**4**	**0**	**4**	**36**	**04**	**40**
Integrated farming													
Seed production													
Production of organic inputs	01	12	0	12	02	0	02	0	0	0	14	0	14
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
production													
Repair and maintenance of farm machinery and implements	2	46	2	38	7	0	7	0	0	0	43	2	45
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	32	0	0	6	0	6	0	0	0	38	0	38
Sheep and goat rearing	2	24	0	0	6	0	6	0	34	34	31	34	34
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture	1	34	0	34	2	0	2	0	0	0	2	34	36
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	12	190	29	153	62	20	82	44	92	136	253	175	397

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management	01	10	0	10	0	0	0	0	0	0	10	0	10
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	02	33	06	39	1	2	3	0	0	0	34	8	42
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	0	18	18	0	7	7	0	0	0	0	25	25
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	4	43	24	67	1	9	10	0	0	0	44	33	77

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	
Plant Protection	PF	IDM in Litchi and Mango	1	On	7	0	7	13	0	13	20
Plant Protection	PF	Use Of t Bio agent in plant Protection	1	Off	3	2	5	15	10	25	30
Plant Protection	PF	Impotence of Bio Control agents in IPM	1	Off	2	27	29	0	0	0	29
Plant Protection	PF	Doses and Safer use of different pesticides formulation	1	On	3	2	5	10	0	10	15
Plant Protection	PF	Disease Management in organic Cultivation	1	On	0	0	0	11	1	12	12
Plant Protection	PF	Awareness on importance of mushroom cultivation	1	Off	16	0	16	5	0	5	21
Plant Protection	PF	Role of beneficial microorganism in enhancing plant health and disease resistant	1	Off	0	4	4	17	0	17	21
Plant Protection	PF	Sustainable pest Management for paddy field	1	On	2	0	2	15	0	15	17
Plant Protection	PF	Role of beneficial microorganism in plant	1	On	0	0	0	21	0	21	21
Plant Protection	PF	Sustainable pest Management for paddy field	1	Off	22	0	22	0	0	0	22
Plant Protection	PF	Paddy Field Pest and Disease identification & their Management	1	Off	0	0	0	19	0	19	19
Plant Protection	PF	IDM in Kharif Crop	1	Off	9	1	10	21	0	21	31
Plant Protection	PF	Management of disease and pest in different crop	1	Off	1	0	1	16	10	26	27
Plant	PF	Integrated	1	Off	17	16	33	0	0	0	33

Protection		Management of aphids and whiteflies agents' viral disease of fruit & vegetable									
Plant Protection	PF	Scope and importance of mushroom cultivation	1	Off	8	14	22	0	0	0	22
Plant Protection	PF	Awareness for mushroom cultivation	1	Off	6	16	22	0	0	0	22
Plant Protection	PF	Management of disease & pest in different major crop: organic Approach	1	Off	1	0	1	22	0	22	23
Plant Protection	PF	Management of Red rot and top borer in sugarcane	1	Off	0	0	0	25	0	25	25
Plant Protection	PF	Management of disease and pest in major crops	1	Off	0	0	0	26	0	26	26
Plant Protection	PF	IPM in Mustard	1	Off	2	0	2	22	1	23	25
Plant Protect ion	PF	Awareness for mushroom cultivation, Importance and scope	1	Off	0	18	18	0	0	0	18
Plant Protection	PF	IDM in sugarcane prevention and control measures	1	Off	0	0	0	25	0	25	25
Plant Protection	PF	Optimizing bio control agents for pest Management in organic farming	1	Off	1	0	1	19	0	19	20
Plant Protection	PF	Management of fruit borer in vegetable	1	On	2	0	2	22	0	22	24
Plant Protection	PF	Scientific cultivation of soybean and its pest and disease management	1	On	1	0	1	26	0	26	27
Plant Protection	PF	Mushroom Production	1	On	3	3	6	10	5	15	21

		technology									
Plant Protection	PF	IDM in paddy	1	On	0	0	0	11	0	11	11
Plant Protection	PF	Management of sheathblight disease in paddy	1	On	10	0	10	9	0	9	19
Plant Protection	PF	Importance of Mushroom and its health benefits	1	On	4	3	7	8	10	18	25
Plant Protection	RY	Beekeeping and its management	5	On	4	0	4	32	4	36	40
Plant Protection	RY	Mushroom Cultivation and its marketing	3	On	08	0	08	24	03	27	35
Plant Protection	RY	Mushroom Production technology	5	On	3	3	6	10	5	15	21
Plant Protection	RY	Mushroom Production technology	4	On	6	22	28	7	21	28	56
Plant Protection	RY	Mushroom cultivation	5	On	1	0	1	37	0	37	38
Plant Protection	EF	Enhancing crop health practical plant protection strategies for farmers success	1	Off	2	2	4	10	7	17	21
Plant Protection	EF	Management of disease and pest in rabi crop	1	Off	1	0	1	0	18	18	19
Plant Protection	EF	Important rice pest & its Management	1	On	0	0	0	12	1	13	13
Agricultural Engineering	PF	Importance of potato digger comparison to manual digging	2	on campus	3	1	4	33	7	40	44
Agricultural Engineering	PF	Weed management machinery for various crops	1	on campus	35	10	45	3	0	3	48
Agricultural Engineering	PF	Machinery for harvesting of kharif crops	1	on campus	0	0	0	24	0	24	24
Agricultural Engineering	PF	Importance of zero tillage in wheat sowing	1	on campus	0	30	30	0	6	6	36

Agricultural Engineering	PF	Zero tillage sowing for maize crop	1	on campus	0	0	0	11	0	11	11
Agricultural Engineering	PF	Important of sugarcane set planter	1	on campus	12	2	14	0	0	0	14
Agricultural Engineering	PF	Sowing machinery for zero tillage moong	1	Off Campus	0	0	0	18	0	18	18
Agricultural Engineering	PF	Importance of potato digger comparison to manual digging	1	Off Campus	3	0	3	15	0	15	18
Agricultural Engineering	PF	Importance of harvesting machinery for rabi crops	1	Off Campus	0	10	10	0	21	21	31
Agricultural Engineering	PF	Use of DSR machine to mitigate climate change problem in paddy	1	Off Campus	2	0	2	17	0	17	19
Agricultural Engineering	PF	Mitigate climate change by using laser land leveller	1	Off Campus	5	0	5	15	0	15	20
Agricultural Engineering	PF	Importance of laser land leveller and its working	1	Off Campus	0	0	0	23	0	23	23
Agricultural Engineering	PF	Sowing machinery for DSR	1	Off Campus	0	0	0	35	0	35	35
Agricultural Engineering	PF	Importance of Machinery used for paddy	1	Off Campus	0	0	0	14	2	16	16
Agricultural Engineering	PF	Importance of boom type sprayer for rabi crops	1	Off Campus	0	0	0	20	0	20	20
Agricultural Engineering	PF	Sowing machinery for DSR	1	Off Campus	1	12	13	12	24	36	49
Agricultural Engineering	PF	Machinery for weed management in various crops	1	Off Campus	2	5	7	36	13	49	56
Agricultural Engineering	PF	Various machinery used in kharif season crops	1	Off Campus	0	0	0	8	9	17	17

Agricultural Engineering	PF	Machinery used for residue management in different crops	1	Off Campus	1	0	1	17	0	17	18
Agricultural Engineering	PF	Importance of LLL and its working	1	Off Campus	0	0	0	23	0	23	23
Agricultural Engineering	PF	Importance of zero tillage machine for wheat crop	1	Off Campus	1	0	1	20	0	20	21
Agricultural Engineering	PF	Zero tillage wheat sowing importance	1	Off Campus	1	0	1	17	0	17	18
Agricultural Engineering	PF	Zero tillage wheat sowing	1	On Campus	0	0	0	35	0	35	35
Agricultural Engineering	RY	Operation and maintenance of solar system & farm implements	4-5	On Campus	5	0	5	21	0	21	26
Agricultural Engineering	RY	Repair and maintenance of farm machinery and implements	4-5	On Campus	2	0	2	15	2	17	19
Agricultural Engineerin1g	EF	Resource conservation technologies	1	On Campus	1	2	3	15	6	21	24
Agricultural Engineering	EF	Climate resilient technologies and its machinery	1	On Campus	0	0	0	18	0	18	18
Fisheries	**RY**	Scientific methods of Fish Farming	5	off	2	0	2	34	0	34	36
Fisheries	**RY**	Integrated fish Farming	5	off	0	0	0	12	3	15	15
Animals Science	**RY**	Commercial Goat Framing	5	Off	0	34	34	0	0	0	34
Animals Science	**RY**	Commercial Dairy farming	5	off	6	0	6	32	0	32	38
Fisheries	**PF**	Fish Seed Stocking	1	off	1	0	1	20	0	20	20
Fisheries	**PF**	Pre-stocking Management of pond	1	off	4	0	4	22	0	22	26
Fisheries	**PF**	Scientific methods of fish farming	1	off	3	0	3	17	0	17	20
Fisheries	**PF**	Methods of fish feed	1	off	18	0	18	0	0		18

		preparation									
Fisheries	**PF**	Monosex tilpia culture	1	off	9	0	9	25	0	25	34
Fisheries	**PF**	Fish Seed Transportation	1	On	1	0	1	30	0	30	31
Fisheries	**PF**	Fish Disease management	1	on	9	0	0	17	0	25	25
	PF	Composite fish culture	1	on	2	0	2	18	0	18	20
Fisheries	**PF**	Nursery Pond Management	1	off	5	0	5	24	0	24	29
Fisheries	**PF**	Pre-stocking and post stocking management of pond	1	off	0	0	0	32	0	32	32
Fisheries	**PF**	Bio-floc fish farming	1	off	0	0	0	19	3	21	21
Fisheries	**PF**	Ornamental Fish Farming	1	off	16	9	21	0	0	0	21
Fisheries	**PF**	Fish Disease Management	1	off	22	0	22	0	0	0	22
Fisheries	**PF**	Methods of fish feed preparation	1	off	0	0	0	15	0	0	15
Fisheries	**PF**	Fish Breeding and hatchery management	1	off	13	0	13	0	0	0	13
Fisheries	**PF**	Disease Management in fishes during winter session	1	off	14	02	16	0	0	0	16
Fisheries	**PF**	Post Stocking Management of pond	1	Of	22	01	23	02	0	02	25
Animal Science	**PF**	Backyard Poultry Farming	1	off	13	7	20	0	0	0	20
Animal Science	**PF**	Backyard Poultry Farming	1	On	6	12	18	0	0	0	18
Animal Science	**PF**	Backyard Poultry Farming	1	On	8	7	15	0	0	0	15
Animal Science	**PF**	Backyard Poultry Farming	1	On	6	4	10	2	0	2	16
Animal Science	**EF**	Commercial Goat Farming	1	on	0	18	18	0	07	07	25

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Bee Keeping	Enterprenure development	Bee keeping and its management	5	36	4	40	Honey Production	05	08	0
Mushroom	Enterprenure development	Mushroom Cultivation	5	38	0	38	Mushroom production and its composting unit	10	21	0

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

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RY/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	15 days INM training for input dealers	INM	JAN	15		42	32	05	0	4	0	0	41	5	0	40	
2	15 days INM training for input dealers	INM	Feb	15	-	42	37	0	0	3	0	0	40	0	0	40	Bihar Govt.

1	15 days IN M training for input dealers	INM	Sep	15	-	42	37	0	0	3	0	0	40	0	0	40	Bihar Govt.

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 2024

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.	Gardener	Training on Gardener Keeping	30	0	0	0	0	24	0	24	0	25	240500

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

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

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of 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	1298	546	1844	153	120	05	0	05	0	0	1303	546	1849	153	120
Field Day	5	59	12	71	11	10	06	0	06	0	0	65	12	77	11	10
Kisan Ghosthi	8	389	129	518	60	20	12	01	13	0	0	395	130	525	11	12
Exhibition organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Participation in exhibition	3	1298	546	1844	153	120	05	0	05	0	0	1303	546	1849	153	120
Film Show	5	209	124	333	54	101	31	06	27	0	0	240	130	370	54	101
Method Demonstrations	17	540	365	905	287	185	12	2	14	0	0	552	367	919	287	185
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Workshop	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Group discussion	21	176	23	199	66	43	50	21	71	0	0	226	44	270	66	43
Lectures delivered as resource persons	34	354	79	433	176	34	23	4	27	0	0	377	83	460	176	34
Advisory Services	945	1600	385	1985	439	231	32	12	44	0	0	1632	397	2029	439	231
Scientific visit to farmers field	87	878	81	959	43	23	12	04	18	0	0	921	93	1014	43	23
Farmers visit to KVK	9085	5556	2512	4015	770	200	31	16	47	0	0	5587	2528	7099	770	200
Diagnostic visits	21	53	09	62	05	09	08	1	09	0	0	61	10	71	05	09
Exposure visits	07	298	29	327	12	23	5	0	5	0	0	303	29	361	12	23
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	3	143	35	178	34	67	4	0	4	0	0	147	35	217	34	67
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	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	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special day celebration	23	705	335	1040	232	80	18	2	20	0	0	723	337	1060	232	80
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	25	250	150	400	50	20	14	1	15	3	1	264	151	415	50	21
Celebration of important date	8	255	123	378	59	32	09	04	15	0	0	264	127	391	59	32
Others (VBSY)	8	764	343	1107	212	187	23	12	35	0	0	787	355	1140	212	187

B. Other Extension/content mobilization activities

Nature of Extension Activity	**No. of activities**
Newspaper coverage	109
Radio talks	0
TV talks	02
Popular articles published	04
Extension Literature	03
Electronic media	09
Any other	0

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Training and Awareness	07	210	Field crops, vegetables fruit crops and other crop

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	132	65	197	21	01	22	153	66	219
International Women's Day (8th Mar.)	1	06	28	34	04	01	05	10	29	39
Ambedkar Jayanti (14th Apr.)	0	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	1	17	02	19	05	0	05	17	02	19
International Yoga Day (21st Jun.)	1	18	03	21	12	01	13	30	04	34
Independence Day (15th Aug.)	1	43	21	64	12	01	13	55	22	77
Parthenium Awareness Week	3	32	12	44	21	01	23	53	13	66
Hindi Diwas (14th Sep.)	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2nd Oct.)	1	14	04	18	06	0	06	20	04	24
Mahila Kisan Diwas (15th Oct.)	0	0	0	0	0	0	0	0	0	0
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	1	11	0	11	11	0	11	11	0	11
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0
Fisheries day (21 Nov)	1	15	0	15	0	0	0	15	0	15
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	0	0	0	0	0	0	0	0	0	0
Kisan Diwas (23rd Dec.)	1	32	08	40	0	0	0	0	0	0
Any other day (National Fish farmer day)	1	23	08	31	14	0	14	37	08	45

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	5/10/2024	18th instalment of PM Kisan Samman Nidhi	PM	32	10	0	42
2	15/08/2024	Live telecast of Launch of NPSS app	AM	44	19	0	63
3	28/02/2024	16th instalment of PM Kisan Samman Nidhi	PM	87	15	1	103
4	18/06/2024	17th instalment of PM Kisan Samman Nidhi	PM	67	11	02	80

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

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

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Paddy (R. Neelam)	124.0	409200				
	Wheat (DBW-252)	170.5	801350				
	Ragi	1.35	5130				
Oil seed	Seasame (Krishna)	4.5	40500				
Pulses	Pigeon pea (R. Arhar-1)	27.0	248400				
	Lentil (IPL 220)	8	77600				
Green Manure							
Commercial crop							
Vegetables							
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	HYV	11060	11060	133	125	256	514
Cabbage	HYV	2140	2140	78	43	176	297
Tomato	HYV	2340	4680	37	31	76	144
Brinjal	HYV	5437	10874	23	17	43	83
Chilli	HYV	1080	2160	45	34	65	144

Onion	HYV	2340	4500	4	0	23	27
Others	HYV	3215	9645	12	19	51	82
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango		530	79500	11	09	23	43
Guava		10	750	0	0	0	0
Lime		10	750	0	0	05	05
Papaya		40	1200	0	0	15	15
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others		210	21000	05	03	10	18
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total							

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers	500	4000				
Bio-food (Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine	616	61600	67	232	176	475
Total						

G. Production of livestock & fisheries materials

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

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

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.
1	DO Meter	1
2	STFR Meter	1
3	TDS meter	1
4	pH meter	1

b. Details of samples analyzed so far

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

c. Detail of Soil, Water and Plant analysis at KVK (2024)

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

d. Details of World Soil Day Celebration

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

I. Activities under Rain Water Harvesting structure and Micro Irrigation System

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

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

1. Name of Seed Hub Centre:

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

2. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed production	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed from KVK	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-24	Total amount (Lakh) in Seed Hub project presently

3. Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17		4,55,640.00	1,39,966.65	
2017-18		6,05,595.00	4,00,945.65	
2018-19		5,71,464.00	1,81,486.65	
2019-20		7,67,214.00	2,70,352.35	

2020-21		8,01,803.00	5,40,802.35	
2021-22		10,05,568.00	7,62,470.00	
2022-23		12,78,659.00	7,12,319.85	
2023-24		7,77,377.00	9,21,740.85	
2024		9,88,691.00	7,54,545.85	

4. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	Developed Low-cost poly tunnel
Animal sector	Poultry Demo Unit, Duckery unit, Ornamental Fish unit, Egg Hatching Unit
Mushroom / other enterprises	
Others	

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

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

S.No	Item	Details of publication bibliographic form (Authors name, year, title, volume, issue, page no, journal name)	NASS Rating	
			>6	<6
1	Research paper	Patel A, Singh KP, Roul AK, Nalawade RD, Mahore A, Kumar M, Avilala P, Ramulu C, Kebede B, Patra A. Quantitative assessment and optimization of parallel contact model for flexible paddy straw: a definitive screening and central composite design approach using discrete element method. Sci Rep. 2024 Jan 23;14(1):1961		9.8
	Research paper	Aditya Kumar, Prakash Chandra **and Jag Pal** (2024), A study of Phyto-plankton dynamics in nursery pond International Journal of Advanced Biochemistry Research 8(3):624-627	5.29	
		Om Pravesh Kumar Ravi, Sarvendra Kumar, Shweta Kumari, **Jag Pal**, Gladston Y., V. S. Bharti, S. P. Shukla (2024), Phytoremediation Potential of Macrophytes from Calcium Fortified Ground Water under Laboratory Condition to Improve Water Quality *Environment and Ecology*,42 (2A): 558-569	4.87	

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Abstracts in Seminar/conference/ symposia published	Chelpuri Ramulu, Abhishek Pratap Singh, Saurabh Dubey, Dhiru Kumar Tiwari, Jagpal and Harsha BR (2024), Weed management technologies adopted by DSR farmers in West Champaran, Bihar, 32 Annual Conference of Agricultural Economics Research Association (India) 11-13 December 2024 on Digitalization of Agriculture for Higher, Sustainable, and Inclusive Growth, 32nd Annual Conference of Agricultural Economics Research Association (India) on Digitalization of Agriculture for Higher, Sustainable, and Inclusive Growth 11-13 December 2024 Abstracts Organized by Agricultural Economics Research Association (India), New Delhi in collaboration with Indira Gandhi Krishi Vishwavidyalaya, Raipur ICAR-NIBSM, Raipur		
Books published			
Book chapter published	Ramulu.C, Praharaj. S, Dubey.S, D K Tiwari, Futuristic Trends in Agriculture Engineering & Food Sciences e-ISBN: 978-93-5747-340-8 IIP Series, Volume 3, Book 2, Part 1, Chapter 8 AGRICULTURE EQUIPMENT AND SMART TECHNOLOGIES, (2024) □□□□ □□ □□□□□□ □□□ □□□□□□□ 2024 □□□□ □□□□, □□□□□□ □□□□□□ □□□□, □□□□ □□□□□ □□□□□□, □□□□□□□ □□□□□□, □□□□□, □□□□ □□□□ □□□□. □□□□□ □□□□□□:□□□□□□□□□□ □□□□□. 244-251.□□□□□ □□□□□□□ □□□ □□□□□□□□□□□□□		
Popular articles published	Naik, A, R N Pateriya, Dwiwedi, U & Ramulu.Ch, pyaz katai keliye abhinav yantra, Kheti, Novemeber 2024, P no 20-22. Mude Arjun Naik, R N Pateriya and Ch. Ramulu Onion harvester with topping unitA complete harvesting machine for onion , Vol. 74 No. 1 (2024), P .No, 25-27. □□□□ □□□□□ □□□□□□, □□□□□□ □□□□□□		

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Success story published			
TOTAL			

C. Details of Extension Publications

Particulars	Details of publication (Totle, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published			
Agro-advisory bulletins			
Extension folders/leaflet/pamphlets			
Technical reports	□□□□ □□□□□ - 2024 (□□□□ □□ □□ □□□□□□□□ □□□□ □□□□□□□□ □□□□□□□ □□□□□□□ □□□□□□□) WM/KVK/KC/408/2024 □□□□ □□□□□□□ □□□□□□ □□ □□□□ □□□ (□□□□□□□ □□□□□□□) - 2024WM/KVK/TB406/2024		
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel	designation	Name of course/training program attended	Date	Duration	Organizer/Venue
1.	Dr Chelpuri Ramulu	SMS, Agricultural Engineering	Capacity building program on Efficient administrative and Financial Management	19th June to 5th July, 2024	17	ICAR-NIASM
2.	Dr Abhishek Pratap Singh	Senior Scientist & Head	Capacity building program on Efficient administrative and Financial Management	19th June to 5th July, 2024	17	ICAR-NIASM
3.	Mr. Abadesh Kumar	Assistant	Capacity building program on Efficient administrative and Financial Management	19th June to 5th July, 2024	17	ICAR-NIASM
4.	Dr. Jag Pal	SMS, Animals Science (Fisheries)	Millet Seed Production and Value chain	6 to 8 March 2024	3	DSF- Dholi, DRPCAU, Pusa

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1.	Mr. Saurabh Dubey	"Young Plant Pathologist" award -2024	Hyderabad		SR, university, Warangal SKLSTHU, Hyderabad and Just Agriculture Education Group & ISAHRD, Chandigarh
2.	Dr Chelpuri Ramulu	Best KVK Scientist	-		ISHARD and Just Agriculture society

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/kind)	Achievement	Conferring Authority
1.	Shree Raghav Saran	Best Farmer Award for cultivation	-	for cultivation of diversif	Rajbhawan Bihar	1.	Shree Raghav Saran Prasad	Best Farmer Award for cultivation of diversified

	Prasad	of diversified variety of Mango		ied variety of Mango				variety of Mango

3.7. TECHNOLOGY DEVLOPMENT

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

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

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

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology
1.	Rudra Natural Honey and soap	Organic raw honey collection near the forest by utilizing natural resources and Ramnagar and making its value-added products	Preserving bee habitats and ensuring organic purity with suitable income generation.	Improved honey yield and quality, enhanced marketability through value-added products, increased income for rural beekeepers, and promoted pollinator conservation.

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.	Rudra Natural Honey and soap	110 honeybee colonies in 550 square meters.	2500 kg	24	yes

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

4. IMPACT

A. Impact of KVK activities/ large-scale adoption of technology

Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	Impact of the technology in subjective terms	Impact of the technology in objective terms	Change in income (Rs.)	
							Before (Rs./Unit)	After (Rs./Unit)
Scientific cultivation of vegetables under Low-cost poly tunnel	6000 sqm	12.0	34 no	10	Protected cultivation increased yield and ensured off-season production, reducing pest and disease impact.	Increased productivity by 30%, improved crop quality, and extended growing season.	12000/ Year	18000/Year
Vegetable cultivation by using 3 Tyne grubber developed at KVK, Madhopur.	140	2309	540 acre	34	Reduced soil compaction, improved soil aeration, and enhanced moisture retention, leading to better crop establishment.	Increased efficiency of land preparation by 40%, reduced labor cost, and improved water infiltration.	8000/(Rs. /Year)	14500/- (Rs. /Year)
Mushroom Production	-	230	768 No	29	Increased income opportunities with minimal investment, ensuring sustainable livelihoods.	Mushroom yield increased by 60%, production cycle shortened, and profitability	0	37000/- (Rs. /Year)

						improved.		
Nursery Raising of Horticultural and forestry crops	4050 sqm	09	78 No	17	Ensured availability of high-quality planting material, promoting afforestation and orchard development.	Increased seedling survival rate by 40%, expanded greenery, and enhanced income opportunities.	28000 (Rs. /Year)	50000/- (Rs. /Year)
Fish Farming	07 Hectare	16	109	11	Improved water resource utilization, enhanced fish yield through better management practices.	Increased fish production by 50%, improved nutritional security, and created employment.	80000 (Rs. /Year)	158000 (Rs. /Year)
Poultry	-	13	87	13	Provided an additional income source with low investment and quick returns.	Increased egg/meat production, reduced mortality rate, and improved farmer profitability.	0	8978 (Rs. /Year)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

B. Details of entrepreneurship/startup developed by KVK

Name of the entrepreneur/ Name of the enterprise/firm	ASU Mushroom production and Compost Farm
Registered address of the entrepreneur/firm	Vill & Post- Pakadiya, Block- Nautan, Distt.- West Champaran
Year of establishment	2022
Type of Enterprise	Mushroom production and Composting unit
Registration details	-
No of members associated	1500
Technical components of the enterprise (with commodity)	Button Mushroom and Mushroom compost
Annual Income/revenue of the enterprise	Rs./-51,99250
Role of KVK/Technology backstopping (quantitative data support)	Training and Technical Support
Period/Timeline of the entrepreneurship development	3 years

Economic and Social status of entrepreneur before and after the enterprise	Before: Moderate financial condition After: Significant financial growth, improved social and economic status
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	The enterprise is operating successfully with steady raw material supply, adequate labor availability, strong consumer preference, and efficient marketing strategies. Demand for both mushrooms and compost is growing, making the business highly viable.
Major achievements	Established a well-structured and profitable mushroom and compost production unit. - Provided raw material to 6500 members for mushroom cultivation allover Bihar. - Successfully marketed products and expanded the customer base. - Achieved strong financial sustainability.
Major constrains	Need for further expansion to meet increasing market demand. - Ensuring a consistent supply of high-quality raw materials. - Need for better storage and transportation facilities to prevent post-harvest losses.
Images/Imp Documents	  

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/ entrepreneur- Aryan Kumar
2.	Date of Birth- 10-11-2001
3.	Education- Graduation
4.	Farming Experience/ Experience in enterprise- Successfully cultivating capsicum in a net house with modern agricultural practices
5.	Cell no./ e-mail- 91627575551
6.	Full address- Village - Karamwa Panchayat, Block - Majholia, District - West Champaran, Bihar

7.	Professional membership (Farmer club/SHG/ATMA/etc.)
8.	Major achievement of the farmers - Adopted modern agricultural techniques like net house farming - Established 0.5-acre net house for capsicum farming - Sold produce at ₹32 to ₹65 per kg based on market demand - Earned a net profit of ₹93,000 from capsicum cultivation - Inspired other farmers and youth to adopt modern agricultural techniques
9.	Awards received- MOFI, ICAR and many other govt and pvt. Award

2. Professional Information

1.	Title of the success story/case study	Self-Reliance through Capsicum Cultivation in a Net House: The Success Story of Aryan Kumar
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)	Traditional farming methods were not yielding sufficient income for Aryan Kumar's family. Limited knowledge of modern farming techniques and climate fluctuations led to inconsistent production and low profitability.
3.	Plan, Implement and Support/KVK Intervention(s): (Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How)	KVK Madhopur provided training and technical support on net house farming techniques. Aryan received guidance on seed selection, crop management, irrigation, and pest control. Financial support was facilitated through the horticulture department.
4.	Details of Practices followed by the farmer	Established a **0.5-acre net house** for controlled environment farming. - Used high-quality capsicum seeds. - Implemented **drip irrigation and integrated pest management**. - Followed **scientific harvesting and marketing techniques** to ensure better pricing.
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)	Produced **4,500 kg of capsicum** in the first season. - Sold at rates between **₹32 to ₹65 per kg** based on market demand. - Earned a **net profit of ₹93,000** from the first harvest. - Inspired other farmers in the region to adopt modern farming techniques.
6.	Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families, groups and/or society- Provide a short summary of the actual change (on knowledge, attitude, skills, practice, or policy) that took place. Provide quantitative measures, where possible and use simple graphs or tables to illustrate a point.) *(50–100 words)*	- **Economic Impact:** Increased income stability and financial independence. - **Social Impact:** Created employment opportunities and encouraged modern agriculture adoption. - **Knowledge & Skill Development:** Improved understanding of protected farming, resource management, and market linkage strategies. - **Environmental Benefits:** Reduced pesticide use through integrated pest management (IPM).

7.	Future plans	Expansion of net house farming to increase production area. - Diversification into other high-value vegetable crops. - Setting up a local farmer network for collective marketing and better price realization
8.	Supporting Images	 

3. Economic Information

Enterprise	Gross Income (annual)	Net income	Cost-Benefit ratio
Capsicum Cultivation (Net House)	1,35,000	93,000	1.32

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1.	ATMA	Extension linkage
2.	NABARD	Extension linkage
3.	Jeevika	Training and Extension linkage
4.	SHGs	Training and Extension linkage
5.	Other Private and Govt. Department	Training and Extension linkage

5.2. Details of Externally funded project & Programmes during 2024 (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.)
FSPF, NABARD	Promotion of Mushroom Cultivation by providing good quality Spawn	Feb 2023	NABARD	10,25,000/

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

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

6. PERFORMANCE INDICATORS

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

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

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	24-10-2023	16-04-2024	7.0	DBW-252	CS	170.50			
Lentil	07-11-2023	13-03-2024	1.0	IPL 220	FS	8.0			
Arhar (Peagon pea)	03-06-2023	13-05-2024	3.0	R. Arhar-1	CS	27.0			
Paddy	14-06-2024	14-10-2024	6.0	R. Neelam	CS	124.0			
Seasame	01-02-2024	01-06-2024	2.0	Krishna	TL	1.0			
Ragi	07-06-2024	18-09-2024	0.4	RAU-8	FS	1.35			

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.	Fish	Indian Major carp	IMC,	201.14		32062.00	Sold in local market
2.	Duckling	Khaki Campel	Duckling	300 nos		-	Kept at demonstration unit
3.	Poultry chicks	Vanraja	Chicks	1220 nos		61000.00	Distributed Under the SCSP, Project

6.5. Performance of Automatic Weather Station in KVK

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

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)-50

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Jan	12	15	
Feb	10	15	
Sep	08	15	
Total:			

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed: Yes Needs of repairing
- No. of staff quarters:06
- Date of completion:2004
- Occupancy details:4 occupied

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	**Name of the bank**	**Location**	**Account Number**
Main A/c	PNB, Sugauli, East Champaran	East Champaran	0859002100004582
Revolving Fund	PNB, Sugauli, East Champaran	East Champaran	0859002100004616
Other than ICAR A/c	PNB, Sugauli, East Champaran	East Champaran	0859000100356928
Natural farming A/c	SBI, Chhapwa, East Champaran	East Champaran	42187505948
CFLD Oilseeds	SBI, Chhapwa, East Champaran	East Champaran	42536993304

CFLD Pulses	SBI, Chhapwa, East Champaran	East Champaran	42538079386
Skilled Dev. Training Prog. A/c	PNB, Sugauli, East Champaran	East Champaran	0859000100383418
RPL/Up-Scaling Prog. A/c	Under process…… in PNB, Sugauli, East Champaran	East Champaran	Not provided a/c no. by PNB, Sugauli. Upto31.12.2024

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31.12.2024
	Kharif	Rabi	Kharif	Rabi	
Mustard, Linseed		6.75		6.75	0.00
	Summer Oilseed, 2024-25				
Items		Summer		Summer	
Sesame		0.00		0.00	0.00

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	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	1,26,66,833.00	97,76,400.00	92,12,468.00
2	Traveling allowances	1,25,000.00	1,25,000.00	1,11,622.00
3	Contingencies			
A	Stationary, telephone, postage etc			
B	Training of farmers	6,73,000.00	5,25,000.00	4,16,273.00
C	OFT			
D	FLD	1,67,000.00	1,00,000.00	85,802.00
E	Maintenance of building	30,000.00	30,000.00	25,000.00
F	Extension activities	40,000.00	40,000.00	25,000.00
G				
H				
I				
J	Swachhta Expenditure			10,212.00
TOTAL (A)		**1,37,01,833.00**	**1,05,96,400.00**	**98,86,377.00**
B. Non-Recurring Contingencies				
1		0.00	0.00	0.00
2				
3				
4				
TOTAL (B)		0.00	0.00	0.00
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**1,37,01,833.00**	**1,05,96,400.00**	**98,86,377.00**

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)
2022-23	7,62,470.35	12,28,508.50	12,78,659.00	7,12,319.85
2023-24	7,12,319.85	11,25,798.00	12,99,377.00	5,38,740.85
2024	5,38,740.85	12,04,496.00	9,88,691.00	7,54,545.85+7,00,000.00(Cash & kind) = 14,54,545.85

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
INM, Rabi and Kharif Mahotsav, Kisan Mela, Joint Inspection, Crop Cutting Experiment. Training, Kisan Gosthi, Input dealers training etc.	35	2024-25	21	14	35

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	CHC	263110.00	Bihar Govt.
2.	Planting Material	69740.00	KVK, Madhopur
3.	Seed Production	592610.00	KVK, Madhopur
4.	Orchard	87500.00	KVK, Madhopur
5.	Fish Production	32060.00	KVK, Madhopur
6.	Mushroom Spawn	40000.00	KVK, Madhopur

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1.	INM	INM Training	Agriculture Dept. Bihar	8,75,000.00	
2.	FSPF, NABARD	Mushroom spwan production	(NABARD)	3,15,000.00	

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)
Red Rot	Sugar cane	Pre-established disease	-	24%	Mas Planting of Resistant Varieties and Crop Rotation
Smut, Wilt and Pokkahboeng	Sugar cane	Pre-established disease	-	2-10%	Mass
Brown Spot	Rice	-	-	20%	Mass

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)
Lumpy Skin	Cow	2022	12		Mass Vaccination
EUS	IMC	-	10		Use of CIFAX
Bacterial red spot disease in fishes	Indian Major carp	19/02/2024	08 %	-	Recommended Preventive measures Alkyl dimethyl benzyl ammonium chloride/1 lit/ha

8.3. Nehru Yuva Kendra (NYK) Training

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

8.6 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 (Yes/No)
				Attended the programm	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Officials, PRI members	Total		

8.7 . Vikisit Viksit Bharat Sanklap Yatra

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
	13	13	1172	13

8.8. 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

8.9 Information on Visit of VIP/Ministers/ MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners/other Dignitaries to KVKs, if any

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
24-01-2024	Dr. Man Singh	Director, DARIW Patna	Pluses Oilseed observation
29-02-2024	Dr. S.k. Singh	Principle scientist MGIFRI Motihari	Excellent Work
05-03-2024	Dr. Kamal Sharma & Dr. P.C. Chandra	ICAR-RCER, Patna	Excellent Work
19-03-2024	Dr.Sanjeev Kumar	ICAR-RCER, Patna	Impressive
03-04-2024	Dr. D.k. Roy	Director seed RPCAU	Mentoring of seed production program
09-04-2024	Vijay Kumar Dixit	GM,HPCL-Sagauli	Very Good
13-04-2024	Dr. Rakesh Kumar	Director Horticulture Bihar	Good Work
13-06-2024	Dr.Anil Kumar Singh	DDG(NRM) ICAR New Delhi	Very Impressive
13-06-2024	Dr.A.K. Shrivastava	Former VC RKDF Uni. Ranchi	Very nice work
13-06-2024	Dr. Shivendra Kumar	Former Principle Scientist & head ICAR-RCER	Demonstration are very impactful
13-06-2024	Dr. K.G. Mandal	Director ICAR-MGIFRI	Excellent progress
15-06-2024	Mayank Rai	Dean, PGCA,RPCAU	Excellent
18-06-2024	Dr. Sanjay Jaiswal	MP West Champaran	Kisan Saman Nidhi
27-06-2024	Ravistan Anthony	Lead Enterprise EDF	Great Work is running for farmers
27-06-2024	Sammy Sonmya Mishra	SDF	Excellent work
26-08-2024	Mahendra Kumar Bharti	ADM Bagaha	Very Good Team

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
13-09-2024	Dinesh Kumar rai	DM, West Champaran	Very Satisfied with the activities going on
29-09-2024	Sanjay Srivastava	UN-ISCAP	Good Practices

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (sate line department)	Salient recommendations	Action Taken	If not, State reason
01	38		Lkkeqfgd flapkbZ ;kstuk dk izHkko fdu&fdu {ks=ksa esa vk;k gS rFkk bldk foxr nks o"kksZ esa D;k ifj.kke jgk rFkk fdlkuksa ds mRiknu ij fdruk izHkko iM+kA	□□□□ □□□□ □□□	
			Ykksdy QkWj oksdy dks /;ku esa j[krs gq, 4&5 ;qokvksa dks izf"kf{kr djds d`"kd mRiknd lewgks ds lkFk feydj d`f"k vk/kkfjr m|eh fodflr fd;s tk,WA	fd;k tk jgk gSA	
			Qyksa dh u;h iztkfr;ksa tSls jsM dsyk] mUur yhph dh iztkfr ds ikS?ks fo"ofo|ky; ls ekaxokdj d`f"k foKku dsUnz ls ftys ds fdlkuksa dks mfpr nj ij miyC/k djk;s rFkk {ks= esa mUur fdLeksa dk O;kid izpkj&izlkj fd;k tk;A	fd;k tk jgk gSA	
			dsyk dh th&9 fdLe dh [ksrh ds lekftd] vkfFkZd leL;kvksa dk v/;;u fd;k tk; rFkk LFkkuh; izpfyr fdLe ekyHkksx ds ikS/ks fdlkuksa dks miyC/k djk;k tk;A	djk;k tk jgk gSA	
			izlkj iqfLrdkvksa@ys[kksa dh iqujko`fr ls cpus rFkk leLr izdk"ku dks fMftVy ;k bysDV^{a}kWfud otZu esa fd;k tkuk pkfg,A	fd;k tk jgk gSA	
			lkf"pe pEikj.k esa eDdk dh vf/kd mRikndrk dks /;ku esa j[krs gq, mlds dkj.kksa dk v/;;u djus rFkk losZ }kjk izkFkfed MkVkcsl rS;kj fd;k tk;A feV~Vh dh tkWp }kjk iwjs ftys Hkj dh feV~Vh dh lajpuk dk vkadM+k rS;kj fd;k tk;A	fd;k tk jgk gSA	
			fo"ofo|ky; iwlk }kjk fodflr eDdk 'kfDreku&5 cht dh miyC/krk lqfuf"pr djus rFkk eDdk dh mit mRikndrk vkSj leL;kvksa dk fujh{k.k fd;k tk;A	fd;k tk jgk gSA	
			leLr izf'k{k.kksa dk izHkko fo"ys"ku fd;k tk; vkSj izf"k{k.k }kjk vk;s cnyko ls fdlkuksa ds thou Lrj ij D;k	□□□□□□□ □□□□ □□□	

	izHkko iM+kA		
	ftys ds fofHkUu vkaxuokM+h dsUnzksa rFkk ljdkjh Ldwyksa esa lgtu rFkk vUu LFkkuh; ikSf"Vd vkgkj dks e/;kg~u Hkkstu esa lkfey djus gsrq izlkj fd;k tk;A	□□□□□□□ □□□□ □□□	
	if”pe pEikj.k ftys Hkj esa ekStwn VªSDVj] V~;wcsy rFkk d`f"k esa mi;ksx dh tk jgh vU; e”khuksa dk MkVk rS;kj fd;k tk;A ftys esa dLVe gk;fjax dsUnzksa dk fjdkWMZ cuk;k tk;A	fd;k tk jgk gSA	
	lkzkd`frd [ksrh dj jgs fdlkuksa dk laiw.kZ fjiksVZ rS;kj fd;k tkuk pkfg,A	fd;k tk jgk gSA	
	ds0oh0ds0] ds }kj ds ckgj ds0oh0ds0 }kjk nh tk jgh lsokvksa] lqfo/kkvksa] mRiknksa vkSj izf”k{k.k bR;kfn dh tkudkjh cksMZ ij iznf”kZr fd;k tk;A	□□□□□□□ □□□□ □□□	
	dsyk js”kk ls cSx rFkk vU; mRikn cuk, tk, vkSj izf”k{k.k dk;Zdze }kjk m|eh rS;kj fd;k tk;A	djk;k tk jgk gSA	
	Ek”k:e LikWu mRikfnr fd;k tk; rFkk e”k:e dh O;kolkf;d [ksrh ij izf”k{k.k dk vk;kstu djok;k tk;A	□□□□□□□ □□□□ □□□	
	uSuks ;wfj;k rjy moZjd ds ckjs esa tkx:drk dk;Zdzeksa dk vk;kstu fd;k tk,A	fd;k tk jgk gSA	
	ds0oh0ds0 {ks= esa ,xzksVwfjTe ekWMy fodflr fd;k tk;A	fd;k tk jgk gSA	
	lkf”pe pEikj.k ftys esa izxfr”khy d``kdksa dh lQyrk dh dgkuh dks izdkf”kr djuk pkfg,A	□□□□□□□ □□□□ □□□	
	ftys esa fdlkuksa ds fy, le; ij eRL; ikyu ij O;kolkf;d izf”k{k.k dk;Zdzeksa dk vk;kstu fd;k tk; rFkk eNyh ds cht ¼thjk½ eRL; ikydksa dks miyC/k djk;k tk;A	djk;k tk jgk gSA	

**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI

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

Type of attachment	**No of student trained**	**No of days stayed**
RAWE	**14**	**45**

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

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

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

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Sowing date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of	No. of beneficiaries

		Trainings/Demos	
a.	Farmer	03	187
b.	Women		
c.	Rural Youths	01	19
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	01	32
	Yellow Sticky Trap		
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		210	543
5)	Other activities		
a.	Participants in extension activities (No.)	156	
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 oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	5	

b. Fund received under TSP in 2024-25 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2024 **(Jan -March)**

Sl. No.	Description	Unit	Achievements
1	Change in family income	11	Significant positive impact with a noticeable increase in family income
2	Change in family consumption level	13%	Positive outcomes observed indicating an improvement in the family consumption levels
3	Change in availability of agricultural implements/ tools etc.	5	Sustainable increase in the availability of agricultural low cost implements and tools

d. Location and Beneficiary Details during 2024

District	Sub-district	No. of Village covered	Name of village(s) covered	ST population benefitted (No.)		
				M	F	T
W. Champaran		3	Naurangiya Done, Gobrahiya done, Parsauni	56	32	88

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	10	369
b.	Women		
c.	Rural Youths	2	58
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		02	32
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		12	132
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)		
FTSP	Testing of Soil, water, plant, manures samples (Nos.)		

11.4. NICRA (Technology Demonstration component)

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	RF (mm) district		Temperature ^{0}C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)
KVK Madhopur	**1487.9**	**1232.1**	**41**	**8.6**	**1**	**0**	**0**	**4**	**30**	**12**

Performances of demonstration of in-situ moisture conservation technologies

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of ZTD in various crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs./ha)		
						Gross Cost	Net Return	BCR

Performance of artificial ground water recharge technologies demonstrated

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different water saving irrigation methods

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Rainwater harvesting structures developed

New (Nos.)	Renovated (Nos.)	Total	Storage capacity (cu m)	Protective irrigation potential (ha)	Cropping Intensity (%) increase

Performance of different drought tolerant varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different short duration rice varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different flood tolerant varieties

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR
FST-3	Paddy	Raj shree	20	0.4	45	38000	75000	1.97

Performance of advancement of planting dates in different crops

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performances of water saving technologies for rice cultivation

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha))	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

FST-3	Paddy	DSR	20	0.4	48	35500	74000	2.08

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/ green) utilized for livestock	No. of farmers	Area (ha)/ Unit	Yield (q/ha))	% of reduced fodder purchase from outside

Performance of Community nurseries

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Coverage area (ha)	Economics of demonstration (Rs/ha)		
						CoC of nursery	NR from nursery	BCR
	Ragi							
	Paddy							
	Vegetable (name)							
	Other							

CoC: Cost of cultivation (Rs.); NR: Net return (Rs.); BCR: Benefit cost ratio

Performance of different location specific intercropping systems

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different crop diversification in NICRA villages

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR
FST-3	Mustard	R-Suflam and Zero tillage	20	8	Crop Standing			

Performance of other demonstration

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of different fodder demonstration in community lands

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR
FST-4		Round the year fodder Production through hybrid Napier production	20	-	-	-	-	-

Performance of improved fodder

FST type	Crop / season (name)	Technology demonstrated	No. of farmers	Area (ha)/ Unit	Yield (q/ha)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of various vaccination camps organized

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	o. of animal covered			
					Less 1 yr calf	Heifer	Adult
		FMD					
		HS					
		BQ					

For Goat/ sheep/ pig

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Kid	Buck	Doe
		PPR					
		Swine flue					
		FMD					

For poultry

FST	Type of animal and Month	Technology demonstrated	No. of farmers covered	No. of animal covered			
					Chick (<9 weeks)	Growing chickens (9-20 week)	> 20 weeks

		Ranikhet disease					
		Bird flu					

Performance of fish in the ponds/ water bodies

FST	Fish species	Technology demonstrated with dose rate	No. of farmers	Area (ha)/ Unit	Fish yield (q/ha)	Economics of demonstration (Rs/ha)		
						CoC	NR	BCR
FST-4	Amur Carp	Amur Carp in carp polyculture Systems	20	0.20	24.35	197235	241065	2.22

Performance of livestock demonstration in NICRA adopted villages (Buffalo/ Cow)

FST type	Animal / season (name)	Technology demonstrated	No. of farmers	No. of animals/ unit	Milk yield (liters/ lactation)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of livestock demonstration in NICRA adopted villages (Goat/ sheep/ Pig)

FST type	Animal / season (name)	Technology demonstrated	No. of farmers	No. of animals/ unit	Body wt. (Kg/ animal)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of livestock demonstration in NICRA adopted villages (poultry)

FST type	Birds / season (variety/breed)	Technology demonstrated	No. of farmers	No. of birds/ unit	Body wt. (Kg / bird)	Economics of demonstration (Rs/ha)		
						Gross Cost	Net Return	BCR

Performance of improved shelters for poultry and dairy animals

FST	Technology demonstrated	No. of farmers	Demo. Unit size	Survival rate		% Increase in	Economics (Rs. /ha)			
				Demo	Local		Gross Cost	Gross Return	Net Return	BCR

			(No.)			survival				

INSTITUTIONAL INTERVENTION

Name Of KVK	Seed bank		Fodder bank	
	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

Name of KVK	Revenue Generated (Rs.)	
	From Custom Hiring Centres (2022-23)	Total under VCRMC

Extension Activities

Name of the activity	Number of Programmes	No. of beneficiaries		
		Male	Female	Total
Cultivation of Rice in flood prone conditions	1	16	0	16
DSR cultivation of Rice	2	20	0	20
Crop diversification through production of Mustard	1	18	0	18
Scientific Cultivation of Wheat under stress conditions	2	35	0	35
Zero tillage Cultivation of wheat	2	40	0	40
Pre-stocking Management of Pond	1	20	0	20

Soil Health Card prepared and distributed

KVK	No. of soil samples collected	No. of samples analysed	SHC issued	No. of farmers benefitted

Convergence Programe

KVK	Development Scheme /Programme	Nature of work	Amount (Rs.)

Dignitaries visited NICRA Villages

Name of KVK	Name of VIPs/Experts	Date of visit

Newspaper Coverage

Publication (Research Paper, Book, Technical bulletins Paper presented in national/ international seminars etc.)

Success Stories (1-2 nos.)

CAR-Central Research Institute for Dryland Agriculture, Santoshnagar, Hyderabad

Proforma for **'Success story in NICRA TDC Villages"**

1	Name	:	First name: Sumit Kumar Middle Name: Surname: Singh		
2	Postal address	:	Ward No.11, Bagahi Post, Block, West Champaran Bihar PIN:845452 **Phone:** **Mobile:8102400557**		
3	Home town	:	Village: Bagahi Bambarpur Taluk/Mandal:Bairiya	District:West Champaran State:Bihar	
4	Age	:			
5	Education	:	BSc		
6	Land holding (acres)	:	Irrigated:Yes	Rainfed:NA	
7	Farming experience	:	Crops grown:	Area (acres)	Productivity (kg/acre)
			1.Paddy	3	2100
			2.Wheat	3	2600
			3.		
			4.		
			5.		
			Livestock (no.): 2		Poultry (no.): 250
			Small ruminants (no.):		Farm machinery available: Zero Tillage seed drill
8	List the Rainfed/ Innovative farming technologies adopted	:	In situ water harvesting:		
			Ex-situ water harvesting:		

			Improved varieties: Climate resilient varieties
			Farm machinery usage: Zero tillage Wheat Sowing
			Any other:
9	Recognition Certificates, awards etc. already recieved) Received from (Name of the organization)	:	
10	Description of innovation/ **adopted technologies - Farm / Climate resilient practices** (1 or 2 practices)	:	Adopted zero tillage wheat sowing Sowing of wheat in a single pass without tillage after harvesting of paddy by Zero Seed drill cum fertilizer drill 
11	Process of innovation/ **Adoption**	:	The village Bagahi Bagambarpur located in the Biariya block of the West Champaran district in Bihar, is predominantly inhabited by small and marginal farmers who rely on agriculture for their livelihoods. However, the area faces challenges such as low agricultural yields and vulnerability to extreme weather events, leading to frequent migration among farming families. Sumeet Kumar Singh, a resident of Bagahi Bagambarpur, owns a six-acre farm and supplements his income through various petty and casual work opportunities due to stagnating farming incomes and severe water scarcity in the village. When the National Innovation in Climate-Resilient Agriculture (NICRA) project was initiated in Bagahi Bagambarpur under the Government of India, Sumeet Kumar Singh wholeheartedly embraced the initiative Zero tillage wheat sowing. Not only did he adopt all the recommended practices himself, but he also played a pivotal role in persuading other small and marginalized farmers in the village to adopt these innovative methods on their own farms.
12	Practical utility of the innovation/adoption of technology	:	As a result of Zero tillage wheat sowing initiative, Sumit experienced a substantial increase in income and reduction in cost of cultivation compared to conventional method of sowing.

	(Benefits-yeild/income/resource conservation etc.,)		Also experienced that timely sowing, saving of water and increased utilization efficiency of nutrients uptake by plants Now spreading this technology among other farmers of his village
13	Impact of innovation on other farmers (Quantify in terms of no. of other farmers adopted, area covered etc.)	:	More than 20Farmers (>20 acre)
14	Any other information pertaining to innovation/adoption of the technology not covered above	:	
15	Any other institutions related to		
16	Spread of the technology		Now widely spreading this zero tillage wheat technology among farmers his village

Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI
KVK Madhopur	Dr Abhishek Pratap Singh, Senior Scientist & Head	Dr Chelpuri Ramulu, SMS, Agricultural Engineering
KVK Madhopur		Dr Jagpal, SMS, Fisheries
KVK Madhopur		Dr Harsha, SMS, Crop Production
KVK Madhopur		Dr Dhiru Kumar Tiwari

Table: Capacity development (Training On-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC
1.	Scientific cultivation of moong	05/01/2024	1	10	0	16	4	0	0
2.	Availability of fishfinger	01/03/2024	1	10	0	4	3	0	3
3.	Scientific cultivation of Millets	05/04/2024	1	9	0	6	3	0	0
4.	Paddy cultivation	04/06/2024	1	20	0	12	5	0	3
5.	Management of fish	02/07/2024	1	10	0	5	3	0	2

	spawn & their storage								
6.	Scientific cultivation of Mustard	22/10/2024	1	12	0	12	0	0	0

Table: Capacity development (Training Off-campus) organized under TDC-NICRA

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC
1.	Scientific cultivation of moong	05/03/2024	1	10	0	7	0	0	3
2.	Animal health camp	22/03/2024	1	38	6	21	20	0	3
3.	Animal health camp	03/04/2024	1	32	5	6	30	0	1
4.	Scientific cultivation of pigeon pea	25/06/2024	1	36	0	22	8	0	6
5.	Climate friendly paddy cultivation	04/07/2024	1	33	0	12	8	0	13
6.	Animal health camp	15/07/2024	1	31	7	5	19	0	14
7.	Groe Napier grass	07/10/2024	1	14	0	9	5	0	0
8.	Cultivation of wheat	13/11/2024	1	9	0	5	1	0	3

Table: Custom Hiring of Farm-Implement

Name of farm implement/ equipment	No. of farmers used Implement	Area covered by Farm Implement	Farm Implement used (In Hours)	Revenue generated by Farm Implement (Rs.)	Expenditure incurred on repairing (Rs.)

Table: Village wise VCRMC

Village name	VCRMC Constitution date	VCRMC members (no.)		Meetings organized by VCRMC (no.)	Date of VCRMC meeting	Name of Secretary	Name of President	Major decision taken
Parsa	22-08-2024	M	F					

		15	1	1	07-10-2024	Mukesh Kumar Singh	Jay Prakash singh	-

Attachments: Good quality Photograph

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

Name of State	Name of district	No. of blocks allocated	No. of FPOs registered as CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business

Details of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with KVK under NCDC funding

S.No	**Name of the FPO**	**Address of FPO**	**Registration No and Date**	**Proposed Activity**	**Commodity Identified**	**Total No. of BOM Members**	**Total no of farmers attached**	**Financial position (Rupees in lakh)**	**Success indicator**

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

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
4	0.25 ha	0	2	03	42	01	34

b. Details of OFT/FLD

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

Nutritional Garden	0.25	14
Bio-fortified Crops	0	0
Value addition (in no. of Unit or no. of Enterprise)	2 No.	07
Other Enterprises (in no. of Unit or no. of Enterprise)	0	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.	Rulhi, Lal Saraiya, Karmwa, Madhopur	Backyard/Kitchen Garden	12	450	12
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

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

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value-added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Lal Saraiya, Karmwa, Madhopur	Guava, Mushroom, Mango	Candy, Mushroom Powder, and Pickle	1	12

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Madhopur	Nutritional Garden, Value addition	2	43

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Bakhariya, Madhopur, Rulahi, & Angawadi Centres of Majhauliya Block	Input distribution and training, field visit	7	73

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of person left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit / Year (Rs.)	Economic Gains / unit (Rs.)	B:C Ratio	Employment generated/ year (manday @ 8 hr/ day)
Mushroom Cultivation	**05**	**Mushroom Cultivation (Production Technology)**	**5**	**145**	**21**	**1**	**76**	**1**	**20**	**17**	**210 sqm**	**10/kg/ unit**	**5000**	**18000**	**13000**		**2.60**	
Nursery	**02**	**Nursery raising of Horticultural crop**	**4**	**67**	**05**	**0**	**0**	**0**	**0**	**05**	**340 sqm**	**1020 plants /Unit/ year**	**43000**	**107000**	**52300**		**1.22**	
Bee Keeping	**01**	**Bee keeping and its man**	**5**	**38**	**08**	**1**	**12**	**1**	**0**	**08**	**120 sqm**	**345kg /unit/ year**	**6067**	**28000**	**21933**		**3.61**	

		age men t																

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		Bihar	
Name of KVK		KVK, Madhopur, West Champaran-I	
Agro Climatic Zone of Village/KVK		North West Alluvial Plains of Bihar	
Farming Situation of the Selected Farmer/KVK	Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)	**Latitude (N)**	**Longitude (E)**
		26.753247	84.695195

Physical information

Name of KVK	**Name of activity**	**No of activities organized**	**No of participants**	**Participants (Male)**						**Participants (Female)**					
				GEN	OBC	SC	ST	Others	**Total**	GEN	OBC	SC	ST	Others	**Total**
	Training	10	402	64	48	20	11	0	143	125	72	37	25	0	259
	Awareness	10	1230	385	254	50	65	0	749	247	121	44	64	0	476
	Demonstration	12	12	8	2	2	0		12	0	0	0	0	0	0
	Other activities														

Training information

Tittle of Natural Farming training Programme	**Date of Training**	**Venue of programme**	**Participants (Male)**						**Participants (Female)**							**Remarks/ Observation/Feedback Recorded**
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	
Natural Farming	20.02.24 -	KVK, Madhopur	25	10	5	0	0	40	0	0	0	0	0	0	40	

	21.02.24															
Natural farming	11. 03.24-12.03.24	KVK, Madhopur	6	6	3	0	0	15	15	5	4	2	0	26	41	
Natural Farming	13.03.24 - 14.03.24	KVK, Madhopur	4	3	2	0	0	09	18	8	5	0	0	31	40	
Natural farming	15.03.24 - 16.03.24	KVK, Madhopur	22	8	6	0	0	36	3	2	0	0	0	05	41	
Natural farming	15.03.24 - 16.03.24	KVK, Madhopur	2	2	3	0	0	07	15	6	6	6	0	33	40	
Natural farming	17.03.24 - 18.03.24	KVK, Madhopur	2	1	1	0	0	04	24	5	6	2	0	37	41	
Natural farming	19.03.24 - 20.03.24	KVK, Madhopur	5	2	3	0	0	10	12	10	5	2	0	29	39	
Natural Farming	21.03.24 - 22.03.24	KVK, Madhopur	2	2	1	0	0	05	10	8	15	2	0	35	40	
Natural farming	23.03.24 - 24.03.24	KVK, Madhopur	8	4	1	2	0	15	10	5	5	5	0	25	40	
Natural farming	29.03.24 - 30.03.24	KVK, Madhopur	0	0	1	1	0	02	7	5	8	18	0	38	40	

Awareness programme information

Tittle of Natural Farming Awareness programm	**Date of Awareness programme**	**Venue of programme**	**Participants (Male)**						**Participants (Female)**							**Remarks/Observation/Feedback Recorded**
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	**GT**	

e																
Natural farming	01/01/2024	Balthar	25	35	8	11	0	79	56	14	2	6	0	78	157	
Natural farming	02/02/2024	Sirisiya	34	24	5	15	0	78	22	18	5	11	0	56	134	
Natural farming	04/01/2024	Gurwaliya	14	36	9	5	0	64	32	11	4	17	0	64	128	
Natural farming	05/01/2024	Auraiya	25	12	3	10	0	50	21	25	8	3	0	57	107	
Natural farming	06/01/2024	Lakhaura	65	14	2	6	0	87	18	5	6	6	0	35	122	
Natural farming	08/01/2024	Bettiah Deeh	58	13	6	7	0	84	33	12	10	9	0	64	148	
Natural farming	09/01/2024	Bhaisahi Phokariya	25	25	7	2	0	59	20	18	3	2	0	43	102	
Natural farming	10/01/2024	Gidha	21	64	2	1	0	88	32	6	1	8	0	47	135	
Natural farming	12/01/2024	Mushari Senwariya	56	25	4	2	0	87	5	8	0	2	0	15	102	
Natural farming	13/01/2024	Chahargawan	62	6	4	6	0	78	8	4	5	0	0	17	95	

Any other Programme /Activity organized for Natural farming promotion		
Name of the Innovative programme organized	**Significance of innovative programme**	**Remarks/Observation/Feedback Recorded**

Details of Beneficiaries under Demonsatration at Farmer's Fields

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Practicing NF Farmer	No. of farmers influenced to adopt NF	No. of farmers with whom the NF farmer can engaged all season	No. of farmers with whom the NF farmer can engage in 1 season	Any Remarks (in <50 words)
KVK, Madhopur, West Champaran-I	07	15	000 440	100	10	20	

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Parshuram Singh	
Address of Farmer with contact detail		Rulhi, Majhauliya, West Champaran	
Agro Climatic Zone of KVK/Village of farmer		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer		**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	35.8

							Other relevant parameter		
							Yield (q/ha)	32.50	22.70
							Cost of cultivation (Rs/ha)	38500	25800
							Gross Return (Rs/ha)	78810	55040
							Net Return (Rs/ha)	40310	29240
							B:C Ratio	2.04	2.13
							Soil PH	7.44	7.29
							Soil OC (%)	0.42	0.33
							Soil EC (dS/m)	0.58	0.61
							Available N (Kg/ha)	241	194
							Available P (Kg/ha)	16	12
							Available K (Kg/ha)	214	168
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer									

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Ramshankar Sharma	
Address of Farmer with contact detail		Rulhi, Majhauliya, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram,**	**Latitude (N)**	**Longitude (E)**

	mustard, green gram *etc*.)		

Name of Activity	**Crop**	**Variety**	**Season (Kharif /Rabi/ Summer)**	**Name of Natural Farmingcomponents/Technologydemonstrated**	**Area (ha)in Natural farming practice**	**Detail of farmer practice**	**Observations Recorded**		
							Name of parameter	**Performance**	
								Without NF practice	**With NF practice**
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	34.1
							Other relevant parameter		
							Yield (q/ha)	32.50	21.80
							Cost of cultivation (Rs/ha)	38500	24220
							Gross Return (Rs/ha)	78810	52865
							Net Return (Rs/ha)	40310	28645
							B:C Ratio	2.04	2.18
							Soil PH	7.44	7.44
							Soil OC (%)	0.42	0.35

							Soil EC (dS/m)	0.58	0.56
							Available N (Kg/ha)	241	179
							Available P (Kg/ha)	16	14
							Available K (Kg/ha)	214	191
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Lalbabu Patel	
Address of Farmer with contact detail		Karamwa, Majhauliya, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	31.5
							Other relevant parameter		
							Yield (q/ha)	32.50	21.20
							Cost of cultivation (Rs/ha)	38500	25000
							Gross Return (Rs/ha)	78810	51410
							Net Return (Rs/ha)	40310	26410
							B:C Ratio	2.04	2.05
							Soil PH	7.44	7.47
							Soil OC (%)	0.42	0.38
							Soil EC (dS/m	0.58	0.52

							)		
							Available N (Kg/ha)	241	188
							Available P (Kg/ha)	16	12
							Available K (Kg/ha)	214	170
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Aryan Patel	
Address of Farmer with contact detail		Karamwa, Majhauliya, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	34.2
							Other relevant parameter		
							Yield (q/ha)	32.50	22.80
							Cost of cultivation (Rs/ha)	38500	25800
							Gross Return (Rs/ha)	78810	55290
							Net Return (Rs/ha)	40310	29490
							B:C Ratio	2.04	2.14
							Soil PH	7.44	7.59
							Soil OC (%)	0.42	0.86
							Soil EC (dS/m	0.58	0.66

							)		
							Available N (Kg/ha)	241	194
							Available P (Kg/ha)	16	16
							Available K (Kg/ha)	214	194
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Satyendra Kumar Singh	
Address of Farmer with contact detail		Kadmahiya, Bagha-2, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	48.1	34.8
							Other relevant parameter		
							Yield (q/ha)	33.60	23.1
							Cost of cultivation (Rs/ha)	39100	26300
							Gross Return (Rs/ha)	81480	56017
							Net Return (Rs/ha)	42380	29717
							B:C Ratio	2.08	2.13
							Soil PH	8.04	7.94
							Soil OC (%)	0.46	0.40
							Soil EC (dS/m	0.74	0.66

							)		
							Available N (Kg/ha)	238	209
							Available P (Kg/ha)	18	18
							Available K (Kg/ha)	234	228
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Dharmendra RAj	
Address of Farmer with contact detail		Lakshmipur, Bagha-2, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	48.1	33.1
							Other relevant parameter		
							Yield (q/ha)	33.60	21.80
							Cost of cultivation (Rs/ha)	39100	24900
							Gross Return (Rs/ha)	81480	52865
							Net Return (Rs/ha)	42380	27965
							B:C Ratio	2.08	2.12
							Soil PH	8.04	7.90
							Soil OC (%)	0.46	0.38
							Soil EC (dS/m	0.74	0.68

							)		
							Available N (Kg/ha)	238	199
							Available P (Kg/ha)	18	20
							Available K (Kg/ha)	234	194
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Devi Lal Mahato	
Address of Farmer with contact detail		Kadmahiya, Bagha-2, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	48.1	33.6
							Other relevant parameter		
							Yield (q/ha)	33.60	18.4
							Cost of cultivation (Rs/ha)	39100	23700
							Gross Return (Rs/ha)	81480	44620
							Net Return (Rs/ha)	42380	20920
							B:C Ratio	2.08	1.88
							Soil PH	8.04	8.12
							Soil OC (%)	0.46	0.36
							Soil EC (dS/m	0.74	0.71

							)		
							Available N (Kg/ha)	238	190
							Available P (Kg/ha)	18	14
							Available K (Kg/ha)	234	184
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Bhulan Mahato	
Address of Farmer with contact detail		Shivdaha, Bagha-2, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	48.1	32.5
							Other relevant parameter		
							Yield (q/ha)	33.60	19.5
							Cost of cultivation (Rs/ha)	39100	24100
							Gross Return (Rs/ha)	81480	47288
							Net Return (Rs/ha)	42380	24188
							B:C Ratio	2.08	2.00
							Soil PH	8.04	8.25
							Soil OC (%)	0.46	0.32
							Soil EC (dS/m	0.74	0.94

							)		
							Available N (Kg/ha)	238	207
							Available P (Kg/ha)	18	15
							Available K (Kg/ha)	234	190
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Prabhunath Singh	
Address of Farmer with contact detail		Kadmahiya, Bagha-2, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farmingcomponents/Technologydemonstrated	Area (ha)in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	48.1	33.6
							Other relevant parameter		
							Yield (q/ha)	33.60	20.10
							Cost of cultivation (Rs/ha)	39100	24100
							Gross Return (Rs/ha)	81480	48743
							Net Return (Rs/ha)	42380	24643
							B:C Ratio	2.08	2.02
							Soil PH	8.04	7.81
							Soil OC (%)	0.46	0.36
							Soil EC (dS/m	0.74	0.58

							)		
							Available N (Kg/ha)	238	188
							Available P (Kg/ha)	18	12
							Available K (Kg/ha)	234	192
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Prabhu Pandey	
Address of Farmer with contact detail		Rampurwa, Yogapatti, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	**Crop**	**Variety**	**Season (Kharif /Rabi/ Summer**	**Name of Natural Farmingcomponents/Technologydemonstrated**	**Area (ha)in Natural**	**Detail of farmer practice**	**Observations Recorded**		
							Name of parameter	**Performance**	
								Without NF	**With NF**

			)		**farming practice**			**practice**	**practice**
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	44.5	30.2
							Other relevant parameter		
							Yield (q/ha)	32.80	19.30
							Cost of cultivation (Rs/ha)	40400	22800
							Gross Return (Rs/ha)	79540	46803
							Net Return (Rs/ha)	39140	24003
							B:C Ratio	1.97	2.05
							Soil PH	8.14	8.09
							Soil OC (%)	0.38	0.30
							Soil EC (dS/m)	0.48	0.52
							Available N (Kg/ha)	210	194
							Available	14	12

							P (Kg/ha)		
							Available K (Kg/ha)	195	182
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Kalyan Kumar Singh	
Address of Farmer with contact detail		Madhopur, Majhauliya, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	**Crop**	**Variety**	**Season (Kharif /Rabi/ Summer**	**Name of Natural Farmingcomponents/Technologydemonstrated**	**Area (ha)in Natural**	**Detail of farmer practice**	**Observations Recorded**		
							Name of parameter	**Performance**	
								Without NF	**With NF**

			)		**farming practice**			**practice**	**practice**
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	33.8
							Other relevant parameter		
							Yield (q/ha)	32.50	20.60
							Cost of cultivation (Rs/ha)	38500	25100
							Gross Return (Rs/ha)	78810	49955
							Net Return (Rs/ha)	40310	24855
							B:C Ratio	2.04	1.99
							Soil PH	7.44	7.94
							Soil OC (%)	0.42	0.38
							Soil EC (dS/m)	0.58	0.69
							Available N (Kg/ha)	241	192
							Available	16	12

							P (Kg/ha)		
							Available K (Kg/ha)	214	176
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Farmer wise information of demonstration conducted till date			
Name of State		Bihar (KVK, Madhopur, West Champaran-I)	
Name of KVK/Farmer where demonstration conducted		Siri Mahato	
Address of Farmer with contact detail		Senwariya, Majhauliya, West Champaran	
Agro-Climatic Zone of KVK/Village of farmer (KVK)		North West Alluvial Plains of Bihar	
Cropping patter of KVK plot/ Farmer plot		Paddy-Wheat-fallow	
Farming Situation of the Selected KVK/Farmer	**Irrigated Field crops (Paddy, wheat, red gram, mustard, green gram *etc*.)**	**Latitude (N)**	**Longitude (E)**

Name of Activity	**Crop**	**Variety**	**Season (Kharif /Rabi/ Summer)**	**Name of Natural Farmingcomponents/Technologydemonstrated**	**Area (ha)in Natural farming practic**	**Detail of farmer practice**	**Observations Recorded**		
							Name of parameter	**Performance**	
								Without NF practice	**With NF practice**

					e				
Demonstration	Wheat	Desi	Rabi, 2023-24	Beejamruth, Jeevamruth, Mulching and Neemastra	0.5 acre	Conventional farming	Plant height (cm)	46.9	31.1
							Other relevant parameter		
							Yield (q/ha)	32.50	19.60
							Cost of cultivation (Rs/ha)	38500	24100
							Gross Return (Rs/ha)	78810	47530
							Net Return (Rs/ha)	40310	23430
							B:C Ratio	2.04	1.97
							Soil PH	7.44	8.01
							Soil OC (%)	0.42	0.36
							Soil EC (dS/m)	0.58	0.64
							Available N (Kg/ha)	241	165
							Available P (Kg/ha)	16	12
							Available K (Kg/ha)	214	164

							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer	Yield was reduced, weed control was difficult but cost of cultivation was reduced								

Information of Farmer Already Practicing Natural Farming

S. No.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
1	West Champaran	Kamlesh Chaubey	Narkatiyaganj, West Champaran 8757055	01	2.00	Paddy, wheat, green gram	3	0.2	Wheat	Beejamruth, Jeevamruth, Mulching and Neemastra	Plant height (cm)	48.9	33.7
											Other relevant parameter		
											Yield (q/ha)	26	19.3
											Cost of cultivation (Rs/ha)	29700	23400
											Gross Return (Rs/ha)	59150	46800

			230										3
											Net Return (Rs/ha)	29450	23403
											B:C Ratio	1.99	2.00
											Soil PH	8.54	8.16
											Soil OC (%)	0.41	0.30
											Soil EC (dS/m)	1.40	1.09
											Available N (Kg/ha)	195	178
											Available P (Kg/ha)	28	16
											Available K (Kg/ha)	184	168
											Soil Microbes (cfu)		
											Any other, specify		
Feedback of farmer:													

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif, 2023-24	Paddy	8.10	0.38	2.50	194	18	141		8.12	0.39	2.50	199	19	144	
Rabi, 2023-24	Wheat	8.12	0.39	2.50	199	19	144		8.14	0.35	2.48	191	17	135	
Kharif, 2024-25	Padd	8.14	0.35	2.48	191	17	135		8.11	0.31	2.45	190	18	139	

	y														

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif, 2023-24	Paddy	8.8	0.36	2.98	212	22	156		8.81	0.37	2.98	218	24	157	
Rabi, 2023-24	Wheat	8.81	0.37	2.98	218	24	157		8.82	0.36	2.87	208	24	151	
Kharif, 2024-25	Paddy	8.82	0.36	2.87	208	24	151		8.80	0.35	2.86	211	26	155	

Soil Parameter for Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Rabi, 2023-24	Potato	8.04	0.44	0.38	206	14	178		8.04	0.36	0.32	162	12	154	
Rabi, 2023-24	Wheat	8.44	1.32	0.34	224	14	188		8.40	1.26	0.38	182	14	188	

Soil Parameter for Non- Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Rabi, 2023-24	Potato	8.00	0.38	0.42	225	14	192		8.01	0.34	0.38	170	14	178	
Rabi, 2023-24	Wheat	7.94	1.02	0.36	198	18	204		7.92	0.95	0.32	175	16	190	

Financial information

Budget Expenditure (Rs. in Rs)				
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training	1			
Awareness Programme	11			
Demonstration	08			

Miscellaneous	06			
Total	26			

Glimpses of various Activities (Good Quality Action Photographs)				
Name of activity	1	2	2	4
Training programmes				
Awareness programmes				
Demonstrations (KVK/Farmer filed)				
Any other activities				




11.7 CRA (Climate Resilient Agriculture)

Technology demonstrated/ interventions	Cropping system	Farming System crop under demonstration			Area under Demonstration (in acre)			No. of farmers under demonstration			Category				Crop Yield (q/ha)			System productivity (q/ha)	Total return (Rs./ ha)	Yield obtained under Farmer Practices (q/ha)	Exposure visit (no.)	Number of farmers under exposure
		Kharif	Rabi	Summer	Kharif	Rabi	Summer	Male	Female	Total	SC	ST	OBC	Gen	Kharif	Rabi	Summer					
DSR		**Paddy**			**342**			**264**	**41**	**305**	**19**	**00**	**213**	**73**	**47.18**				**53844**	**41.7**	**01**	**50**
ZT/Line sowing			**Wheat**			**125**		**144**	**39**	**183**	**23**	**00**	**113**	**47**		**Crop Standing**						

																ding					
Raise Bed			Maize			120		120	37	157	17	00	87	53		Crop Standing				Crop Standing	
ZT/ Line sowing			Lentil			60		106	44	150	21	01	103	25		Crop Standing				Crop Standing	
ZT/ Line sowing			Mustard			60		96	24	120	16	00	73	31		Crop Standing				Crop Standing	
Raise Bed			Potato			02		16	07	23	06	00	13	04		185.3			139573.5	223.7	
			Pea			06		19	12	31	07	00	19	05		Crop Standing				Crop Standing	
ZT/ Line sowing				Green Gram			135	150	33	183	13	03	119	48			12.1		66700	10.5	
ZT/ Line				Kauni			04	09	03	12	02	00	09	01			19.3		36187.5	Not sowin	

sowing																				**g**		
ZT/ Line sowing				**Till**			**05**	**09**	**07**	**16**	**02**	**00**	**11**	**03**			**17.9**		**105117**	**Not sowing**		
ZT/ Line sowing				**Ragi**			**06**	**13**	**04**	**17**	**03**	**00**	**12**	**02**			**29.1**		**83938**	**Not sowing**		

11.8 District Agro Meteorological Unit (DAMU)

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

11.9 KSHAMTA

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

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre (PIC)	
2	No. of Agri Drones Sanctioned	
3	No. of Agri Drones Purchased	
4	Amount sanctioned (Rs)	
5	Purchased cost of each Drone (Rs.)	
6	Company and Model of Drone	
7	Name and contact No of Agri Drone Pilot	
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	
9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	
10	Amount utilised for Agri Drone Demonstrations (Rs.)	
11	Area covered under demos (area in ha)	
13	Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised	
14	Number of farmers participated during demonstration	
15	Advantages of using Agri Drones as observed during the demonstrations	

Details of Demonstrations under Agri-drone Project

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on insecticide spray							
Demos on weedicide spray							
Demos on nutrient spray							

11.11 Augmenting Rapeseed- Mustard Production of Tribal Farmers of Jharkhand state for Sustainable Livelihood Security under Scheduled Tribe Component.

Varieties used	Situations (Irrigated/ Rainfed)	Varieties used in FP	Yield (Kg/ha)		YIOFP (%)	COC (Rs./ha)		GMR (Rs./ha)		ANMR (Rs./ha)	B:C ratio GMR/CoC	
			IP	FP		IP	FP	IP	FP		IP	FP

S.No	Item /Activity	Units	Quantity	No of beneficiaries
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.		
2	Frontline demonstration (FLDs) and other demonstrations			
2.1	Area under FLDs	Hectare		
3	Awareness camps, exposure visit etc	No.		
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg		
4.2	Small equipment's (Upto ₹ 2000)	No.		
4.3	Large equipment's (more than ₹2000)	Nos.		
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg		
4.5	Plant Protection chemicals	Lit.		
5	Distribution of Literature	No.		
6	Kisan Mela	No.		
7	Any other (specify)	No.		
8	**Total Budget Utilized**	**Rs**		

12. OTHER INDFROMATION

12.1 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	Pond	0.2	Fish	Demonstration Purposes		08	14
2	Poultry	200 sqF	Eggs/Meat				
3	Duckery	60 Sq F	Eggs/Meat				
4	Goatery	200 Sq F	Meat				
5	Nutri garden	0.3	Vegetables				
6	Crops	1.5	Seed	Seed Production			

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.	Pond			0.2		03		62
2	Poultry			200 sqF		04		68
3	Duckery			60 Sq F		01		23
4.	Goatery			200 Sq F		03		87
5.	Nutri garden			0.3		01		43
6	Crops			1.5		21		432

12.2 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					

12.3. PPV & FRA Programme

Date of training/awareness programme	Venue	Resource Person	No. of participants

Details of plant varieties registered

Name of crop Registered	Year of registration	Registration number	Farmer name and details	Adress of the farmers

12.4 . a. Observation of Swachhta hi Sewa (2nd -31st Oct 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
24 Oct 2024	01				
26 Oct 2024	01	03	27	0	30
24 Oct 2024	02	15	23	0	48
23 Oct 2024	03	04	-	22	22
18 Oct 2024	02	10	32	0	42
16 Oct 2024	04	05	12	0	17

b. Observation of Swachta Pakhwada (15 Dec -31st Dec 2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
24.12.2024	1	13	07	0	20
31.12.24	2	08	10	0	18

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

S.No	**Activities**	**No of village covered**	**Total Expenditure (Rs.in Lakhs)**
1.	Vermicomposting		
S.No	**Activities**	**Name of activities conducted**	**Total Expenditure**
1.	Activities under Swachata Other than vermicomposting	**20**	**10212.00**

12.5 Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year

PHOTOGRAPHS OF KVK, MADHOPUR

KVK Administrative Premises

Training hall

KVK Main building

KVK administrative building

Farmers' Hostel at KVK

Aerial View of KVK

KVK IFS Model

Distribution of Mushroom Spawn produced in KVK, Spawn Lab

Chicks Production and distribution among the beneficiary

PF Training

BANANA FIBER EXTRACTION UNIT

Rural Youth Training

OTHER EXTENSION ACTIVITY OF KVK, MADHOPUR

OTHER EXTENSION ACTIVITY OF KVK, MADHOPUR

OTHER EXTENSION ACTIVITY OF KVK, MADHOPUR

PLANTING MATERIAL PRODUCTION AT KVK, MADHOPUR

AWARENESS ON CHC, LASER LAND LEVELLING AND INCLINED PLATE PLANTER

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