2024

Annual Report

Dr. Rajendra Prasad Central Agricultural University, Pusa
Samastipur – 848 125, Bihar (India)

Krishi Vigyan Kendra, Saraiya,
Muzaffarpur - 843126(Bihar) India

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2024

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Samastipur – 848 125, Bihar (India)

Krishi Vigyan Kendra, Saraiya,
Muzaffarpur - 843126(Bihar) India

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Stenographer
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

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	
Krishi Vigyan Kendra, Saraiya, PO – Saraiya Kothi, Dist. – Muzaffarpur, PIN – 843126	06223-255552	-	head.kvk.saraiya@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. Rajendra Prasad Central Agricultural University (Bihar), Pusa, Samastipur, PIN – 818125	06274-240226	06274-240255	vc@rpcau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Ramakrishna Roy	Village+ P.O.- Saraiya	9135025137	head.kvk.saraiya@rpcau.ac.in

1.4. Year of sanction of KVK with council order No. and date:

1997 (ICAR No. 18-12/96 AE dt. 27-03-1997)

1.5. Year of start of KVK: **1997**

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. Ramakrishna Roy	Sr. Scientist & Head	Poultry Science	37400-67000 (156900)	15/June/2015	Permanent	Others
2.	Subject Matter Specialist	Dr. Tarun Kumar	SMS	Soil and water Engineering	15600-39100 (67000)	12/10/2018	Permanent	SC
3.	Subject Matter Specialist	Dr. Rajneesh Singh	SMS	Crop Production	15600-39100 (59500)	12/03/2022	Permanent	Others
4.	Subject Matter Specialist	Vacant						
5.	Subject Matter Specialist	Vacant						
6.	Subject Matter Specialist	Vacant	-	-		-	-	-
7.	Subject Matter Specialist	Vacant	-	-		-	-	-
8.	Programme Assistant (Lab Tech)	Vacant	-	-		-	-	-
9.	Programme Assistant (Computer)	Mr. Manoj Kumar	Programme Assistant (Computer)		9300-34800 (43600)	05/12/2017	Permanent	Others
10.	Farm Manager	Vacant	-	-		-	-	-
11.	Accountant / Superintendent	Kumari Pratibha	Assistant	-	9300-34800 (43600)	22/11/2017	Permanent	SC
12.	Stenographer	Mr. Suman Kumar	Stenographer	-	5200-20200 (30500)	27/02/2018	Permanent	OBC
13.	Driver	Mr. Ram Ekbal Singh	Jeep Driver	-	5200-20200 (52600)	13/03/2003	Permanent	Others
14.	Driver	Mr. Randhir Kumar	Tractor Driver	-	5200-20200 (23800)	06/03/2021	Permanent	OBC
15.	Supporting staff	Mr. Amit Kumar	SSS	-	4440-7440 (22800)	21/08/2015	Permanent	Others
16.	Supporting staff	Vacant	-	-		-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.30	Administrative building & Farmers Hostel
2.	Under Demonstration Units	0.34	Vermi-compost, Poly-house, green shed-net etc
3.	Under Crops	7.164	Seed Production plots
4.	Orchard/ Agro-forestry	0.32	Medicinal garden, Kitchen garden etc
5.	Others with details	0.876	Implement shed, godowns etc
	Total	10.00	

**Total area should be matched with breakup*

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Functional/ non-functional*	Source of funding
1.	Administrative Building					Completed		Functional	ICAR
2.	Farmers Hostel					Completed		Functional	ICAR
3.	Staff Quarters (6)	Not yet started							
4.	Piggery unit	Not yet started							
5	Fencing					Completed		Functional	ICAR
6	Rain Water harvesting structure					Completed		Functional	ATMA, Muzaffarpur
7	Threshing floor					Completed		Non-functional	ICAR
8	Farm godown					Completed		Non-functional	ICAR
9.	Dairy unit	Not yet started							
10.	Poultry unit					Completed		Functional	ICAR
11.	Goatry unit	Not yet started							
12.	Mushroom Lab					Completed		Functional	RKVY
13.	Mushroom production unit					Completed		Functional	RKVY
14.	Shade house					Completed		Functional	NHM
15.	Soil test Lab					Completed		Functional	ICAR
16.	Azolla unit					Completed		Functional	ICAR
17.	Green House					Completed		Functional	NHM
18.	Micro irrigation demo unit					Yes		Under use	GOI, MOA&FW
19.	Beekeeping demo unit					No			
20.	NADEP unit					Yes		Under use	GOI, MOA&FW

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2003	4.06	217756	Condemned by DTO And in the process of auction
Tractor	2006	5.01	-	Condemned
MSTL Van (BR33PA2645)	2017	33.28	4310	Servicable
Motorcycle 1(BR06AY-3940)	2016	0.48	6559	Functional
Motorcycle 2(BR06AY-3941)	2016	0.48	7324	Functional
Bolero SLE Power plus	2018	6.12	65725	Functional
John Deere Tractor	2019	6.72	1255	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Distillation set	03.05.2005	48000.00	Non Functional	ICAR
Conductivity meter	26.02.2006	9000.00	Non Functional	ICAR
Flame photometer	26.02.2006	42000.00	Good	ICAR
Spectrophotometer	26.02.2006	54000.00	Good	ICAR
Digital pH meter	26.06.2006	90000.00	Non Functional	ICAR
CVT	26.02.2006	4000.00	Non Functional	ICAR
Kjeldhal digestion	26.02.2006	27000.00	Broken	ICAR
Hot air oven	26.02.2006	13500.00	Good	ICAR
Horizontal Shaker	26.02.2006	22500.00	Good	ICAR
Willy Mill grinder	26.02.2006	25500.00	Good	ICAR
Hot plate	26.02.2006	8000.00	Good	ICAR
Physical balance	26.02.2006	7345.00	Non Functional	ICAR
Chemical electronic balance	26.02.2006	110740.00	Non Functional	ICAR
Beam scale with all weight	24.04.1999	4146.00	Good	ICAR
BOD Incubator	02.04.2013	50242.50	Good	RKVY
Autoclave	02.04.2013	72924.00	Good	RKVY
Distillation set	31.03.2008	23962.00	Good	ICAR
Honey Extractor	14.02.2015	3300.00	Good	ICAR
Usha sewing machine(2)	07.01.2004	8670.00	Good	ICAR
Table top wt. Balance	07.01.2004	560.00	Good	ICAR
Hot plate(Gas Chulha)	30.01.2004	770.00	Good	ICAR
LPG gas cylinder(double)	30.01.2004	1400.00	Good	ICAR
Stabilizer 1KW	30.05.2005	4000.00	Non Functional	ICAR
Refrigerator	03.05.2005		Good	ICAR
Food processor	08.09.2009	4750.00	Good	ICAR
Wt. Machine	2010-2011	20000.00	Good	ICAR
Usha Embroidery machine(1)	30.03.2011	9500.00	Good	ICAR
0.5 HP motor	23.03.2013	3000.00	Good	ICAR
b. Farm machinery				
Gator rocking sprayer	24.04.1999	2378.00	Good	DRPCAU, PUSA
Honda EXK 2000 Genset	18.06.2004	38400.00	Good	DRPCAU, PUSA
Self Propelled Reaper	14.02.2012		Good	DRPCAU, PUSA
Hand rotary duster	24.04.1999	1197.00	Non Functional	DRPCAU, PUSA
Aspee knapsack Sprayer	24.04.1999	1200.00	Good	DRPCAU, PUSA
Honda pumpset	18.06.2004	19100.00	Good	DRPCAU, PUSA
Guttor rocking machine	02.07.2013	6710.00	Good	DRPCAU, PUSA
Maize dryer	27.02.2013	500000.00	Non Functional	RKVY
Knap sac Sprayer	14.02.2012		Good	DRPCAU, PUSA
VST Shaktiman power reaper	13.03.2012	107277.00	Non Functional	RKVY
Seed processing Machine	30.09.2009		Non Functional	Govt. of Bihar
Happy seeder	31.07.2020		Good	DRPCAU, PUSA
Zero till cum fertilizer machine	31.07.2020		Good	DRPCAU, PUSA
Multi crop planter	31.07.2020		Good	DRPCAU, PUSA
Power weeder	31.07.2020		Good	DRPCAU, PUSA
Leaser land labeller	31.07.2020		Good	DRPCAU, PUSA
Mini dal mil	31.07.2020		Good	DRPCAU, PUSA
Jondeer Tractor	09.3.2021	761600	Good	DRPCAU, PUSA
Laser Land leveler	18.03.2021	248000	Good	DRPCAU, PUSA
Multi Crop Planter	28.07.2021	77549	Good	DRPCAU, PUSA
Disk Plough	05.07.2021	94657	Good	DRPCAU, PUSA
Hydroulic Tractor Trailer	05.07.2021	143400	Good	DRPCAU, PUSA
Rotavater	05.07.2021	96240	Good	DRPCAU, PUSA
Cultivator	05.07.2021	29430	Good	DRPCAU, PUSA

Reaper Cum Binder	28.07.2021	342000	Good	DRPCAU, PUSA
Happy Seeder	01.12.2021	140000	Good	DRPCAU, PUSA
Zero till cum seed cum fertilizer	01.12.2021	72000	Good	DRPCAU, PUSA
Potato Planter	01.12.2021	217000	Good	DRPCAU, PUSA
c. AV Aids				
Computer	2006		Non-functional	ICAR
Computer	2015		Satisfactory	ICAR
Sony Handy cam	06.05.2005	24000.00	Good	ICAR
Ledger Fax	25.11.2006	21995.00	Non-functional	ICAR
Camera(Sony)DHC-H-50	15.03.2009	21999.00	Good	ICAR
PA system	28.03.2011	38063.00	Good	ICAR
Digital photocopier (Richo)	23.03.2012	74693.00	Need repair	ICAR
Camera	29.10.2013	4840.00	Non functional	ICAR
Stabilizer	25.03.2014	19081.00	Good	ICAR
Exhibition kit	30.03.2013	15890.00	Good	ICAR
Exhibition board	29.12.2013	4840.00	Good	ICAR
Laptop	25/04/2018	28100.00	Good	CSISA
Laptop	19/02/2019	215100.00	Good	ICAR
Desktop	22/02/2019	40848.00	Good	DAMU – AGROMET
Laptop	16/03/2019	49000.00	Good	DAMU – AGROMET
Digital Camera	01/04/2019	14900.00	Good	CSISA
Printer	06/04/2019	14000.00	Good	CSISA

D) Farm implements

Name of equipment	**Year of purchase**	**Cost (Rs.)**	**Present status**	**Source of fund**
Grass shear	24.12.2012	491.00	Good	ICAR
Weeding trawell	24.12.2012	65.00	Good	ICAR
Bill hook	24.12.2012	588.00	Good	ICAR
Hand cultivator	24.12.2012	65.00	Good	ICAR
Hedge shere	24.12.2012	482.00	Good	ICAR
Khurpa 2”	24.12.2012	355.00	Good	ICAR
Weeder(4)	24.12.2012	62.00	Good	ICAR
M-3 secetier	24.12.2012	219.00	Good	ICAR
Regular secetier	24.12.2012	280.00	Good	ICAR
F.B.C.K/60	24.12.2012	386.00	Good	ICAR
Sickle	24.12.2012	536.00	Good	ICAR
Spade	24.12.2012	472.00	Good	ICAR
Grass sward	24.12.2012	472.00	Good	ICAR
Augar	24.12.2012	640.00	Good	ICAR
Water can	24.12.2012	300.00	Good	ICAR
Pump duster	24.12.2012	45.00	Good	ICAR
Trailor Hydraulic	25.03.2006	-	Good	ICAR
Disc Harrow	25.03.2006	-	Good	ICAR
M.B.Plaugh	25.03.2006	-	Good	ICAR
9 Tyne cultivator	25.03.2006	-	Good	ICAR
Moisture meter	18.08.2009	1200.00	Good	ICAR
Bag closer	15.08.2009	5200.00	Good	ICAR
Zero tillage machine	02.04.2007		Non functional	ICAR
Sprinkler system	28.03.2009	30000.00	Good	ICAR
Disc Harrow	28.12.2011	27825.00	Good	ICAR
Rotavator	29.02.2012	59000.00	Good	ICAR
Weeder	28.11.2006	170.00	Good	ICAR
Weeder with wheel	28.11.2006	300.00	Good	ICAR
Drum seeder	26.03.2012		Good	ICAR
Conoweeder	26.03.2012		Good	ICAR

Rotavator (Shaktiman)	29.02.2012	59000.00	Non functional	ICAR
Drum Cap	26.03.2012		Good	ICAR
Digger	26.03.2012	42748.00	Good	ICAR
Zero tillage	30.08.2012	47500.00	Non functional	ICAR
Iron balance	24.04.1999	790.00	Good	ICAR
Polyseal	27.02.2016		Good	ICAR
Bulb planter	19.01.2019	215.00	Good	ASCI
Prunning saw	19.01.2019	192.00	Good	ASCI
Secatear	19.01.2019	355.00	Good	ASCI
Major	19.01.2019	580.00	Good	ASCI
Cultivator	19.01.2019	85.00	Good	ASCI
Hedge shear	19.01.2019	615.00	Good	ASCI
Bill hook	19.01.2019	440.00	Good	ASCI
Cultivator	19.01.2019	350.00	Good	ASCI
Measuring tape	19.01.2019	739.00	Good	ASCI
Budding knife	19.01.2019	240.00	Good	ASCI

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Improving the productivity of cereals, Oilseeds and Pulses.
2.	Increasing the productivity of Livestock, Poultry, Goatary and Pisciculture.
3.	Quality Seed Production.
4.	Resource Conservation Technology.
5.	Promoting IFS.
6.	Micro irrigation.
7.	SHG & farmers club formation.
8.	Vermi- composting
9.	Farm mechanization.
10.	Mushroom production.
11.	Income generation through SHG beekeeping, Mushroom cultivation, Preservation of fruits and vegetables, Lac bangle.
12.	Sustainable agriculture in climate change scenario.
13.	Promotion of Azolla production as alternative feeding.
14.	IPM of litchi and mango orchards.

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

Sl.No.	Items	Information
1	Major Farming System/enterprise	Paddy, Wheat-Greengram
		Paddy - Rapeseed & Mustard - Greengram
		Paddy – Maize – Greengram
		Maize – Wheat - Greengram
		Pigeonpea - Greengram
		Paddy – Potato - Greengram
		Cattle farming
		Poultry
		Kharif Vegetable – Rabi Vegetable
		Pisciculture
		Bee-keeping
		Mushroom cultivation

2	One district one product (NITI Ayog)	Litchi				
3	Agro-climatic Zone	Zone 1				
4	Agro ecological situation	Upland		○ Salinity is major problem ○ Crops – Maize, Wheat, Mustard, Chilli, Water melon, ○ Fruits – Litchi, Mango. ○ Vegetables – Cucurbits, Cole crops, Sweet potato, potato		
		Medium land		○ Calcareous, loamy soil ○ Paddy, Sugarcane, Potato, Tobacco, Greengram • Ginger, Rabi Maize, Turmeric, Green vegetable, Chilies • Dominance of vegetables.		
		Lowland (Chaur)		○ Low lying areas, inundated from July to November suitable for fish and Agri-fish system ○ Wheat / Moong after water recede		
4	**Soil type**	**Characteristics**		**Area in ha**		
	Alluvial, Sandy loam to loam in texture, calcareous in nature.	P^H – 7.0-8.5 Organic carbon – 0.40-0.70 % Available N – 248-350 Kg/ha Available P_2O_5 -- 25-50 Kg/ha Available K_2O – 100-300 Kg/ha Deficient in S, Zn & B			247721		
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	**Crop**	**Area (ha)**	**Production (MT)**	**Productivity (kg/ha)**	
		Rice	134738	343675	2551	
		Wheat	120687	400079	3315	
		Maize Total	35357	144931	4099	
		Gram	126	123	974	
		Lentil	1009	981	972	
		Pea	207	199	961	
		Moong	22038	20231	918	
		Arhar	591	1345	2276	
		Rapeseed and Mustard	5673	8090	1426	
		Linseed	54	46	856	
		Sesamum	27	23	853	
6	Mean yearly temperature, rainfall, humidity of the district	**Month**	**Temperature (^{0}C)**		**Average Rainfall (mm)**	**Average Humidity (%)**
			Min Temp.	**Max Temp.**		
		January-2024	8.1	22.8	00	68%
		February -2024	10.7	25.0	00	59%
		March-2024	13.5	30.3	4.2	41%
		April- 2024	19	40	11.6	37%
		May- 2024	24.3	34.0	282.20	53%
		June-2024	26.5	36.0	401.90	69%
		July-2024	26.0	33.6	204.1	82%
		August-2024	26.1	32.7	500.00	83%
		September-2024	25.4	33.3	127.00	84%

		October-2024	19.0	32.0	359.10	76%
		November-2024	13.3	29.0	0.0	64%
		December-2024	8.8	24.3	1.4	66%
7	Production of major livestock products like milk, agg, meat etc.	**Category**	**Population (in thousands)**	**Productivity**	**Category**	
		Cattle	425.801	Indigenous 3.5 L/day, Lactation Length 230 days Cross Bred – 7 L/day, Lactation Length 300 days	Milk	
		Poultry	887.235	Commercial Layers – 300 eggs/annum Broilers – 1.3 Kg live weight at 35 day Desi – 70 eggs/annum 1 Kg live weight	Eggs and meat	
		Buffalo	296.568	5.5 L/day Lactation Length – 300 days	Milk	
		Goats	696.340	Parturition rate – 1.3 Juvenile mortality rate – 30 %	Meat	

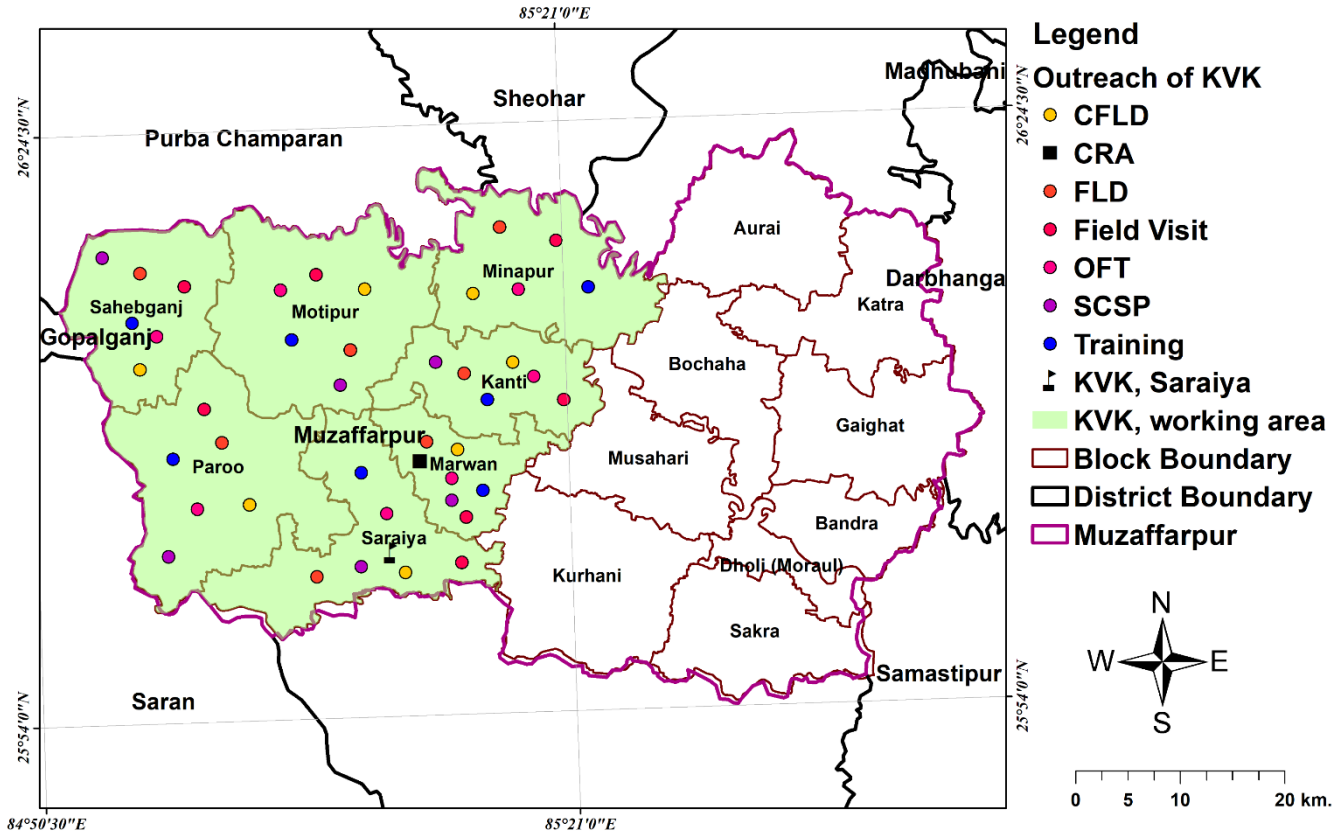
Note: Please give recent data only

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.	Muzaffarpur (East)	Saraiya	Saraiya, Pokhraira, Biadih, hatauliya Madwapakhar, Bakhara. Paigambarpur, Ambara. Anandpur, Basokund, Bahilwara Ambara tej singh Basochak, Basudeo patti Ibrahimpur,Sujawal pur, Bishunpur basant urf Suba, Lakshmipur Arar, Biadih,Chitari,Rupauli Chandkewari	Paddy, Wheat, Vegetable, Vermi-composting, Mushroom cultivation, Organic farming, Protective cultivation of vegetables Use of farm machinery like zero till seed drill, grubber, reaper etc.	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides Not aware about the importance of fodder crop	Improving the Production and productivity of cereals, oilseeds and pulses Income generation through mushroom and its value addition vermi-compost production Fisheries, micro irrigation

2.	Muzaffarpur (East)	Madwan	Chainpur,Bhagwatpur,Karja, Dwarikanathpur, Mohammadpur, Khaje Bagahi, Bhagwatpur Karja Anant,Bishunpur Aima,Chiknouta urf Harpur lahouri	Paddy, Wheat, Vegetable, Vermi-composting, Organic farming,	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides	Improving the Production and productivity of cereals, oilseeds and pulses Income generation through mushroom and its value addition vermi-compost production Fisheries, micro irrigation
3.	Muzaffarpur (East)	Kanti	Kothia, Manikpur narrottam, Mirjapur, Narsanda, Pokhraira Harpur ganesh, Sirsiya Bujurg, Sonversa	Vegetables Mushroom Vermiculture Organic farming	Low productivity due to poor fertility of the soil	Improving the productivity of Potato, Veg., and Maize Income generation through mushroom and its value addition vermi-compost production Fisheries, micro irrigation
4	Muzaffarpur (East)	Minapur	Ghoshaut, Daud Chapara, Harpur Basudeo Miky, Bajjar Munaria, Kalyanpur,	Paddy, Wheat, Vegetables Mushroom Vermiculture Organic farming	Low productivity due to poor fertility of the soil	Improving the productivity of Potato, Veg., and Maize Income generation through mushroom and its value addition vermi-compost production Fisheries, microirrigation
5	Muzaffarpur (East)	Paroo	Mathia Chandkewari Laloo chapara Saraiya bajar Gariba Gauda, Chochahi Raghunathpur Sakhra, Fanda, Garha Bahram, Bhataulia, Gagdishpur Dharam Mohabatpur	Floriculture, Vegetable	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides	Improving the productivity of Vegetable and oilseed and pulses

6.	Muzaffarpur (East)	Sahebganj	Maugraha Asli, Jahura, Deoghra, Biswambharpur, Daha Chapara, Daria Chapara, Salempur, Vishunpur Chak Pahar	Vermi-composting Kitchen gardening, Micro irrigation Plantation of fruit and vegetables crop Mushroom cultivation Organic farming	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides	Improving the productivity of Vegetable and oilseed and pulses Aquaculture, production of fry and fingerling microirrigation
7.	Muzaffarpur (East)	Motipur	Hardi, Bhataulia	Vermi-composting Kitchen gardening, Micro irrigation Plantation of fruit and vegetables crop Mushroom cultivation Organic farming	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides	Improving the productivity of Vegetable and oilseed and pulses



Location and Outreach of KVK

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
Bhagwatpur	Madwan	Vermi composting, Zero tillage, DSR, organic farming, Micro irrigation, Dairy farming, OFT, rain water harvesting structure, CRA project.
Dwarikanathpur	Madwan	Protective cultivation, Micro irrigation, tissue culture banana, fodder production through Hydroponic method, Vermicompost, Mushroom cultivation, rejuvenation of orchard, CFLD on red gram, Fisheries & Micro irrigation, PRA conducted, rain water harvesting structure, CRA project.
Ratanpura	Motipur	Increasing seed replacement rate, Mushroom cultivation, Mushroom spawn production, Dairy management, Vermicomposting, IPM, off campus training, Swachhta Abhiyan, CSISA, FLD, OFT , INM, Value addition of fruits and vegetables, Income generating activities as lac bangle & soft toys *etc.*
Basochak	Saraiya	Mushroom cultivation, Value addition of fruits and vegetables, Income generating activities as lac bangle & soft toys, New storage technique etc.
Amaitha	Saraiya	Natural Farming, Integrated Fish Farming, Zero tillage, Vegetables Production, FLD on wheat variety conducted
Anjanakot	Motipur	Natural Farming, Fish Farming, Zero tillage, IPM, Zero tillage, Litchi squash making

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
4	4	34	2	0	0	0	30	2	32	2	34	7	9	200	12	135	0	0	68	1	80	136	216

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
60	81	1800	94	112	0	0	1837	954	1931	1066	2997	500	755	5000	800	54	0	0	2722	2628	3522	2682	6204

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
100	240	8	9	0	0	147	76	154	85	240	200	492	64	4	0	0	215	209	279	213	492

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
2 ha (Wheat-HD 2967)	61.20	Send to Directorate of Seed	Cauliflower (Hybrid)	0.01000	1000
3 ha (Paddy- Rajshree)	50.00		Cabbage (Hybrid)	0.00250	50
2 ha (Mustard-R.Suflam)	14.10		Tomato (Hybrid)	0.00040	8
Finger Millet – RAU-08	3.55		Chilli (Hybrid)	0.00050	10
Dhaincha - Local	0.90		Wood apple (Narendra dev 1)	0.00140	2

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested	
Target	Achievement	Target	Achievement
		500 Soil Sample	692 nos
		60 q Vermicompost	36 q

* Give no. only in case of fish fingerling

* 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			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries	02	14	14
10	Integrated Farming System			
11	Seed / Plant production	02	14	20
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	**04**	**28**	**28**
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify (**Organic cultivation)**			
	Total			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management			

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

3.2.2 OFT

OFT – 1 : Crop Production

- **Thematic area: Crop Production**
- **Problem definition/Name of OFT: :** Assessment of Nitrogen use efficiency in rice.

1.	Title of On farm Trial (OFT)	Assessment of Nitrogen use efficiency in rice.
2.	Problem diagnosed	Excessive use of chemical fertilizer and spiralling urea price 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 pre flowering stage). • Technological Option 2: 50% of RDN & 100% PK + 2 sprays of • Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour, IFFCO
5.	Production system and thematic area	**Crop Production**
6.	Performance of the Technology with performance indicators	Plot size (10x10 m^2)/ in each tech.option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/m^2,1000 grain weight, Panicle weight, Grainand Straw yield and Economics.
7.	Final recommendation for micro level situation	Rotate wheat with **legume crops (e.g., chickpea, lentils)** to enhance soil nitrogen levels naturally. Maintain **proper soil pH (6.0–7.5)** for efficient nitrogen uptake.
8.	Constraints identified and feedback for research	Differences in soil organic matter and microbial activity affecting nitrogen mineralization. Inefficient uptake due to excessive or untimely fertilizer applications.
9.	Process of farmers participation and their reaction	**Cost Savings**: Farmers appreciate reduced fertilizer costs with optimized nitrogen application. **Sustainability Awareness**: Increased understanding of how nitrogen loss affects soil fertility and the environment.

Result: : Conducted OFT at 10 locations on Improvement of Nitrogen use efficiency in rice. Results of the trials indicates that (T_2) 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water higher yield 41.50q/h followed by (T_0) RDF (120:60:40) Kg/ha increases the yield of 39.60q/ha and (T2) 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage) which yield 38.85 q/ha. The highest net return (Rs. 53094.5/ha) and BC ratio (1.41) was recorded in T2 followed by T0 (1.34) and T1 (1.32).

B. Results Table

Technology option	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
	No. of effective tillers/m2	No. of Grain per Year	100 grain weight,					
T_0 RDF (120:60:40) Kg/ha	38.28	174.71	26.57	39.60	42500	86446.8	43946.3	1.34
T_1 50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage).	37.28	173.28	26.42	38.85	36500	79024.6	42524.6	1.16
T_2 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.	40.28	177.28	27.85	41.50	37500	90594.5	53094.5	1.41
SEM (±)	0.85	0.68	0.31	0.80	-	-	-	-
CD (5%)	1.78	1.42	0.65	1.68	-	-	-	-

Sprays of Nano Urea at (25 to 30 days)

Sprays of Nano Urea at (25 to 30 days)

Crop cutting

Data collection

OFT – 2 : Crop Production (ongoing)

- **Thematic area: Crop Production**
- **Problem definitio/Name of OFT:** Assessment of Nitrogen use efficiency in wheat.

1.	Title of On farm Trial (OFT)	Assessment 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)	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 (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour, IFFCO
5.	Production system and thematic area	**Crop Production**
6.	Performance of the Technology with performance indicators	Plot size (10x10 m^2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data, No. of effective tillers/ m^2 ,1000 grain wt., Panicle wt., Straw yield and Economics.
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Result awaited

Nano urea @4ml/lt. water (Single spray at 35 DAS).

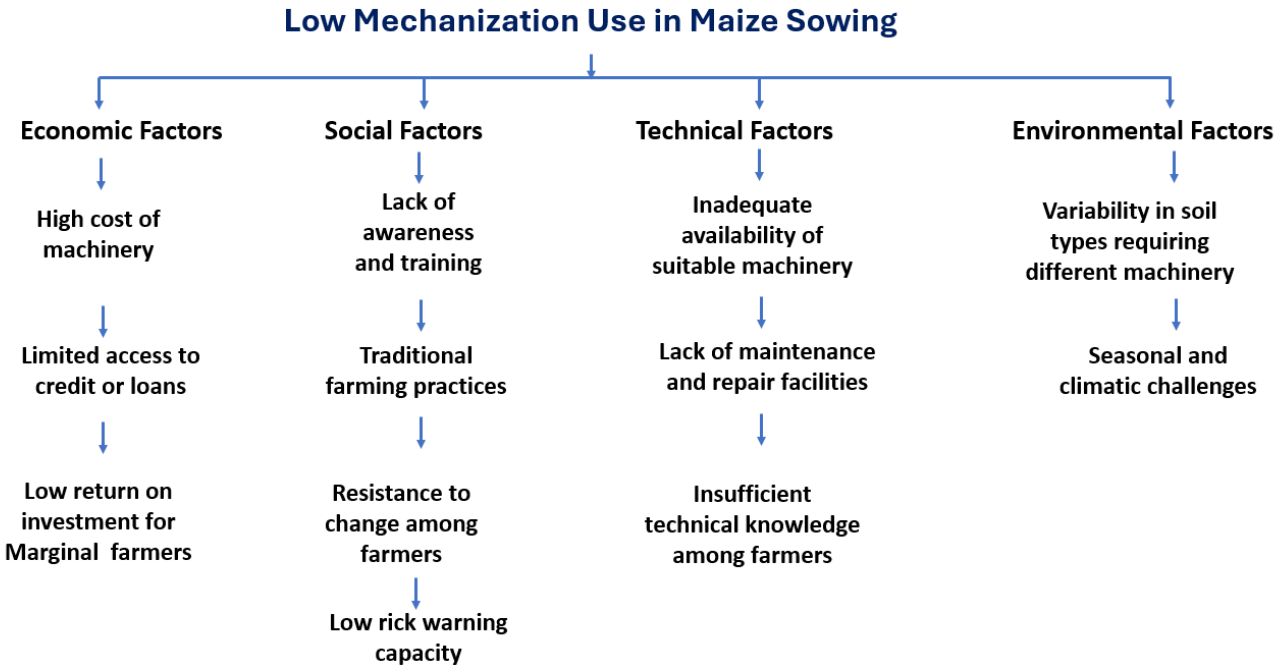
2 sprays of Nano Urea at (35 DAS) and (60-65DAS) @ 4 ml/lt water

OFT-3: Agricultural Engineering

- **Thematic area: Farm Machinery**
- **Problem definition/Name of OFT:** Assessment of different weeding tools in Rabi Maize crop

1.	Title of On farm Trial (OFT)	Assessment of Different Weeding Tools in Rabi Maize Crop
2.	Problem diagnosed	High Labor Costs, Low Efficiency and Labor Shortages
3.	Main cause	Weed and high labour cost
4.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Manually by local tools Technology Option II:- Manual wheel hoe (Three Tyne) Technology Option III:- Manual rotary hoe - Weeder
5.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCAU-Pusa, and CIAE Bhopal
6.	Production system and thematic area	7 (0.4 ha. for each plot)
7.	Detail of critical input	Name of critical input: Manual Wheel hoe, Manual rotary hoe tools
8.	Performance indicator to be recorded	(i) Technical indicator : Weed Density, Weed control efficiency, Labor Input (Man power in hour), No. of Plants (per sq. meter), Grain yield (ii) Economic indicator : (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception
9.	Final recommendation for micro level situation	
10	Constraints identified and feedback for research	

Problem Cause Diagram of Maize



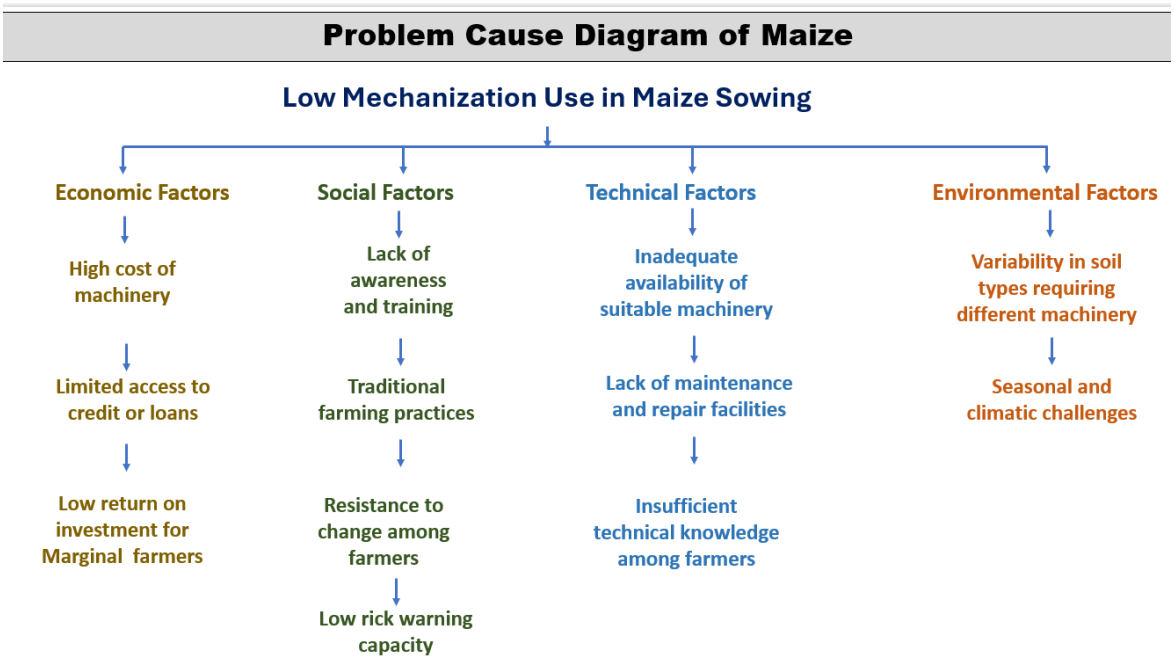
Result awaited

OFT- 4 : Agricultural Engineering

- **Thematic area: Farm Machinery**
- **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.	Main cause	Input cost increases due to higher cultivation expenses, Tedious operation specially for farm women
4.	Details of technologies selected for assessment/refinement(Mention either Assessed or Refined)	FP: Manual Planting T2- Manual Dibbler (Vertical) T3- Manual Rotary Dibbler
5.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIAE Bhopal
6.	Production system and thematic area	7 (0.4 ha. for each plot)

7.	Detail of critical input	Manual Dibbler (Vertical), Manual Rotary Dibbler
8.	Performance indicator to be recorded	(i) Technical indicator (Labor saving, Field Capacity, Germination %, Heart Rate, BP, Mean Skin Temperature, O_2level, ODR, Energy expenditure rate (kJ/min)) (ii) Economic indicator (Yield, B:C) (iii) Farmer perception
9.	Final recommendation for micro level situation	
10	Constraints identified and feedback for research	



Result awaited

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 (ha,)	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereals					
	Paddy	01	2.5 (ha.)	10	43.25 (q/ha)	34.50 (q/ha)
2.	Oil Seed					
3.	Pulses					
4.	Horticulture Crops					
5.	Other crops					
6.	Hybrid crop					
7.	Livestock					
8.	Fisheries					
9.	Other enterprises					
10.	Women empowerment					
11.	Farm Machinery				-	-
	Potato Planter	01	2.5 (ha.)	10	-	-
	Zero till cum seed cum fertilizer	01	2.5 (ha.)	10	-	-
	Grand Total	03	7.5 (ha.)	10	43.25 (q/ha)	34.50 (q/ha)

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
2024-25															
Paddy	Crop Production	Transplanting Micronutrients	10	2.5	43.25	34.50	24.63	37500	93869	56369	1.50	39000	75313.5	36313.5	0.93
Wheat	Crop Production	Line Sowing Micronutrients	10	2.5	Result Awaited										
Total			20	5											

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
Nil															
Total															

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

3. Pulses (under SCSP)

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**
Green Gram	Crop Production	Zero Tillage	35	14	12.45	9.24	25.78	28500	106547.1	78047.1	2.74	27200	79075.92	51875.92	1.91

* 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. (under SCSP)

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Cauliflower	**Vegetables**	Vermicompost and improved verity	56	2	167.58	132.65	20.84	89600	284886	195286	2.18	88560	225505	136945	1.55

* 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
Nil																	
	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										

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
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 (Barseem)	Mescavi	19	2.0	Result Awaited						
Other (Oats)	Kent	16	2.0							
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	Nil																
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total																	

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

8. Fisheries

Category	**Thematic area**	**Name of the technology demonstrated**	**No. of Farmer**	**No. of units**	**Major parameters**		**% change in major parameter**	**Other parameter**		***Economics of demonstration (Rs.)**				***Economics of check (Rs.)**			
					Demonstration	**Check**		**Demonstration**	**Check**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**	**Gross Cost**	**Gross Return**	**Net Return**	**** BCR**
Common carps	Nil																
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	Pit Method	7	7													
Sericulture																
Apiculture																
Others (pl.specify)																
Total		7	7	Nil												

* 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
Nil			**Check**	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	0	0			

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Crop	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demonstration	Check			
2023-24										
Sowing and planting tools and machineries	1	Potato planter	Potato	10	2.8	16	277	94.22	33	13865.63
Total Sowing and planting Machineries	2	Three-wheel hoe weeder	Maize	10	2.5	84.3	229.23	63.22	18	7699.41
2024-25										
Sowing and planting tools and machineries	2	1. Potato planter 2. Zero till cum seed cum fertilizer machine	Potato Wheat	10 10	2.50 2.50	Result awaiting				
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
FLD under SCSP										
Harvesting tools and machineries	1	Modify Sickle (Naveen)	Wheat and Paddy	50	5	135	145	6.89	18	898
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

FLD -2023-24

		
Wheat Sowing with ZT Machine	Wheat Sowing with ZT Machine	Wheat Germination after sowing of ZT Machine

FLD- 2024-25

Potato Sowing with potato planter

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	10-Apr-24	1	*50*	Crop Cutting
		10-Apr-24	1	*50*	
		10-Apr-24	1	12	
		12-Apr-24	1	27	
		12-Apr-24	1	10	
		12-Apr-24	1	27	
		12-Apr-24	1	10	
		15-Apr-24	1	30	
		15-Apr-24	1	20	
		15-Apr-24	1	30	
		15-Apr-24	1	20	
		16-Apr-24	1	27	

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1	Potato Planter	Efficient: 94.22% increase in output per man-hour. Effective: 33 man-days saved. Cost-Effective: ₹13,865.63 cost reduction per hectare.
2	Three-wheel hoe weeder	Effective: Three-wheel hoe weeder demonstrated 63.22% increase in output per man-hour. Efficient: Labor reduction by 18 man-days. Cost-Effective: ₹7699.41 cost reduction per hectare.
3.	Paddy: Transplanting Micronutrients	Apply **micronutrients** at **25-30 DAT** (tillering) and **45-50 DAT** (panicle initiation) with **light irrigation** to improve nutrient uptake and crop yield.
4.	Wheat: Line Sowing Micronutrients	Wheat sowing in **lines (20-22 cm spacing)** during before 20 **November** for optimal growth. Apply **micronutrients** at **25-30 DAS** and **50-55 DAS**, ensuring **light irrigation** during application for better nutrient absorption and increased **wheat yield by 20.93% (52.00 q/ha)**

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-2023-24	Mustard	60	180	RH-761 & Zero tillage, Micronutrients, Carbendazim @ 2 gm/kg seed + Sulphur 80 WP @25 kg/ha	Broadcast	8.79	15.5	13.15	14.325	8.69	15.15	22	64.84 ↓	5.45 ↑	34.89 ↑
2	Rabi-2024-25	Mustard	250	625	RH-761 & Zero tillage, Micronutrients, Carbendazim @ 2 gm/kg seed + Sulphur 80 WP @25 kg/ha	Broadcast	Result awaited									

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	RH-761 & Zero tillage, Micronutriants, Carbendazim @2gm/kg seed +Sulphur 80 WP @25 kg/ha	25000	58760	33760	2.35	26800	85315	58515	3.18	24755

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 (Man days/house hold)
1.	Rapeseed & Mustard (RH-761)	1550.00	1500.00	56.50	10.00	65 kg	Agriculture & Education	24 man days

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.	Improved variety, INM & IPM	1. Oil and oil seed cake used for human and animals respectively. 2. Oilseed cultivation needs less irrigation, tillage and plant protection measures when sown at right time	Higher yield and Oil percentage	100 % seed cost is lower than market and good quality produce can be reused by farmers as own saved seed. However,	nil	Yes	1. Line sowing/ seed sowing through zero tillage/ seed cum fertidrill for getting higher yield.	Bold seed, oil content

C. Specific Characteristics of Technology and Performance

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

D. Extension activities under CFLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmers attended
1	Direct Sowing of Mustard	08.10.2024	68
2	Direct Sowing of Mustard	09.10.2024	45
3	Direct Sowing of Mustard	14.10.2024	33
4	Direct Sowing of Mustard	15.10.2024	77
5	Direct Sowing of Mustard	16.10.2024	68
6	Direct Sowing of Mustard	14.12.2024	51
7	Direct Sowing of Mustard	16.12.2024	60
8	Direct Sowing of Mustard	23.12.2024	102

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

F. Farmers' training photographs

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

H. Details of budget utilization

Crop (Provide crop wise information)	**Items**	**Area (ha) allotted**	**Area (ha) achieved**	**Budget Received (Rs.)**	**Budget Utilization (Rs.)**	**Balance (Rs.)**
Rapeseed & Mustard	i) Critical input	60	60	OB: (-)88578.00 Received: 227878.00	165200.00	(-)25900
	ii) TA/DA/POL etc. for monitoring					
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total	60	60		165200.00	(-)25900

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

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

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies	2	35	33	68	0	2	2	0	0	0	35	35	70
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production	7	197	135	332	22	9	31	0	0	0	219	144	363
Nursery management													
Integrated Crop Management	1	4	17	21	0	3	3				4	20	24
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	3	52	77	129	0	0	0	0	0	0	52	77	129
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													

Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													

Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal 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	2	8	98	106	0	14	14	0	0	0	8	112	120
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	4	26	65	91	0	12	12	0	0	0	26	77	103

VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any	1	15	0								15	0	15
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 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	20	337	425	747	22	40	62	0	0	0	359	465	824

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

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
Mushroom Production	1	0	16	16	0	7	7				0	23	23
Bee-keeping													
Integrated farming													
Seed production	1	33	20	53			0				33	20	53
Production of organic inputs	1	18	2	20	0	0	0				18	2	20
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	4	63	37	100	2	0	2	0	0	0	65	37	102
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing	2	51	20	71	1	2	3	0	0	0	52	22	74
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													

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
Para extension workers													
Composite fish culture	1	1	24	25			0				1	24	25
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	10	166	119	285	3	9	12	0	0	0	169	128	297

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	2	16	18	34	0	0	0	0	0	0	16	18	34
Value addition	1	0	0	0	0	24	24				0	24	24
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs	1	22	3	25			0				22	3	25
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													
TOTAL	4	38	21	59	0	24	24	0	0	0	38	45	83

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	5	154	58	212	13	8	21	0	0	0	167	66	233
Resource Conservation Technologies	1	58	15	73			0				58	15	73
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	36	7	43	4	3	7				40	10	50
Seed production	11	400	107	507	19	12	31	0	0	0	419	119	538
Nursery management													
Integrated Crop Management	1	36	3	39			0				36	3	39
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	6	153	41	194	1	1	2	0	0	0	154	42	196
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Propagation techniques of Ornamental Plants													
Others, if any													
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													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													

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
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	1	20	2	22	2	1	3				22	3	25
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	12	333	49	382	19	11	30	0	0	0	352	60	412
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													

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
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
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)	0												
TOTAL	38	1190	282	1472	58	36	94	0	0	0	1248	318	1566

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	1	15	37	52			0				15	37	52
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													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	1	15	37	52			0				15	37	52

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	5	43	59	102	0	0	0	0	0	0	43	59	102
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	34	10	44	4	2	6	0	0	0	38	12	50
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	1	14	1	15	7	1	8				21	2	23
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	8	91	70	161	11	3	14	0	0	0	102	73	175

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	0	0	0	0	0	0	0	0	0	0	0	0	0
Weed Management	5	154	58	212	13	8	21	0	0	0	167	66	233
Resource Conservation Technologies	3	93	48	141	0	2	2	0	0	0	93	50	143
Cropping Systems	0	0	0	0	0	0	0	0	0	0	0	0	0

Crop Diversification	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	1	36	7	43	4	3	7	0	0	0	40	10	50
Seed production	18	597	242	839	41	21	62	0	0	0	638	263	901
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Crop Management	2	40	20	60	0	3	3	0	0	0	40	23	63
Fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, (cultivation of crops)	9	205	118	323	1	1	2	0	0	0	206	119	325
TOTAL	38	1125	493	1618	59	38	97	0	0	0	1184	531	1715
II. Horticulture	0	0	0	0	0	0	0	0	0	0	0	0	0
a) Vegetable Crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Water management	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Skill development	0	0	0	0	0	0	0	0	0	0	0	0	0
Yield increment	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of low volume and high value crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Off-season vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery raising	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential vegetables	0	0	0	0	0	0	0	0	0	0	0	0	0
Grading and standardization	0	0	0	0	0	0	0	0	0	0	0	0	0
Protective cultivation (Green Houses, Shade Net etc.)	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Cultivation of Vegetable)	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and Pruning	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
b) Fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Layout and Management of Orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Cultivation of Fruit	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of young plants/orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential fruits	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro irrigation systems of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Plant propagation techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any(INM)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
c) Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0

Nursery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of potted plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Export potential of ornamental plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Propagation techniques of Ornamental Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
d) Plantation crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0

Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any (Goat farming)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
V. Home Science/Women empowerment	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security by kitchen gardening and nutrition gardening	0	0	0	0	0	0	0	0	0	0	0	0	0
Design and development of low/minimum cost diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Designing and development for high nutrient efficiency diet	0	0	0	0	0	0	0	0	0	0	0	0	0
Minimization of nutrient loss in processing	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Storage loss minimization techniques	0	0	0	0	0	0	0	0	0	0	0	0	0
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Income generation activities for empowerment of rural Women	0	0	0	0	0	0	0	0	0	0	0	0	0
Location specific drudgery reduction technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building	0	0	0	0	0	0	0	0	0	0	0	0	0
Women and child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
VI. Agril. Engineering	0	0	0	0	0	0	0	0	0	0	0	0	0
Installation and maintenance of micro irrigation systems	0	0	0	0	0	0	0	0	0	0	0	0	0
Use of Plastics in farming practices	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Repair and maintenance of farm machinery and implements	3	28	100	128	2	15	17	0	0	0	30	115	145

Small scale processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	16	359	114	473	19	23	42	0	0	0	378	137	515
TOTAL	19	387	214	601	21	38	59	0	0	0	408	252	660
VII. Plant Protection	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Pest Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	15	0	0	0	0	0	0	0	0	15	0	15
TOTAL	1	15	0	0	0	0	0	0	0	0	15	0	15
IX. Production of Inputs at site	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0

Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry	0	0	0	0	0	0	0	0	0	0	0	0	0
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	58	1527	707	2219	80	76	156	0	0	0	1607	783	2390

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	2	15	53	68	0	7	7	0	0	0	15	60	75
Bee-keeping													
Integrated farming													
Seed production	1	33	20	53			0				33	20	53
Production of organic inputs	1	18	2	20	0	0	0				18	2	20
Planting material production													
Planting material production													

Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	4	63	37	100	2	0	2	0	0	0	65	37	102
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing	2	51	20	71	1	2	3	0	0	0	52	22	74
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture	1	1	24	25			0				1	24	25
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 (ICT application in agriculture)													
TOTAL	11	181	156	337	3	9	12	0	0	0	184	165	349

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	7	59	77	136	0	0	0	0	0	0	59	77	136
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1				0	24	24				0	24	24
Protected cultivation technology													
Formation and Management of SHGs	1	22	3	25	0	0	0	0	0	0	22	3	25
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	2	34	10	44	4	2	6				38	12	50
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	1	14	1	15	7	1	8				21	2	23
Gender mainstreaming through SHGs													
Crop intensification													

Others if any													
TOTAL	12	129	91	220	11	27	38	0	0	0	140	118	258

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	
Fishery Science	RY	Composite Fish Culture	3	On campus			0	1	24	25	25
Agriculture Engineering	RY	Micro Irrigation system use in different crop	3	On campus			0	3	18	21	21
Crop Production	RY	Vermicompost Production and use	3	On campus	0	0	0	18	2	20	20
Mushroom Production	RY	Mushroom Production	3	On campus		7	7		16	16	23
Farm machinery	RY	Irrigation equipment and farm machinery maintenance and management	3	On campus	2	0	2	17	2	19	21
Farm machinery	RY	Irrigation equipment and farm machinery maintenance and management	3	On campus			0	14	9	23	23
Crop Production	RY	Seed Production	5	On campus			0	33	20	53	53
Animal Science	RY	Goat Farming	4	On campus			0	26	6	32	32
Agriculture Engineering	RY	Care and maintenance of Farm machinery and solar power irrigation system	5	On campus			0	29	8	37	37
Animal Science	RY	Goat Production	6	On campus	1	2	3	25	14	39	42
Mushroom Production	RY	Mushroom Cultivation	5	off campus			0	15	37	52	52
Agriculture Engineering	PF	Care and Maintenance of Farm Machinery	1	On campus	0	12	12	5	70	75	87
Fishery Science	PF	Fish Hatchery Management	1	On campus			0	15		15	15
Crop Production	PF	Use of micro nutrient in moong	1	On campus	0	3	3	4	17	21	24
Farm machinery	PF	Efficient Use of Farm Machinery in Agricultural and Allied Sectors	1	On campus	0	3	3	4	17	21	24
Farm machinery	PF	Efficient Use of Farm Machinery in Agricultural and Allied Sectors	1	On campus	0	4	4	4	29	33	37
Natural farming	PF	Natural farming	1	On campus	0	2	2	3	28	31	33
Farm machinery	PF	Care, maintenance, and use of farm machinery in agricultural and allied sectors.	1	On campus	0	2	2	3	28	31	33
Nutrient Management	PF	Nutrient management in green gram	1	off campus	1	1	2	15	3	18	20
Farm machinery	PF	Importance of deep ploughing in summer season	1	On campus	0	2	2	14	2	16	18
Farm machinery	PF	Benefits of laser land leveling in resource conservation	1	On campus	0	3	3	4	17	21	24
Crop Production	PF	Kharif and Horticulture Crops	1	off campus			0	19	27	46	46
Crop Production	PF		1	On campus			0	0	28	28	28

Farm machinery	PF	Paddy sowing by Zero tillage and drum seeder (DSR paddy)	1	off campus	0	0	0	14	0	14	14
Farm machinery	PF	Use of Different Farm Machinery in Kharif Sowing	1	off campus	1	0	1	10	12	22	23
Natural farming	PF	Awareness of natural farming	2	On campus			0	32	5	37	37
Agriculture Engineering	PF	DSR in Paddy and irrigation water management	1	off campus			0	39	0	39	39
Weed Management	PF	Gajarghas (Parthenium)	1	off campus			0	27	24	51	51
Crop Production	PF	INM in Paddy and irrigation water management	1	off campus			0	36	3	39	39
Crop Production	PF	Natural farming and sugarcane disease management	1	off campus			0	21	1	22	22
Crop Production	PF	Natural farming and sugarcane disease management	1	off campus			0	20	0	20	20
Crop Production	PF	INM in Kharif Crop & Irrigation water management and farm machinery use in agri.	1	On campus			0	22	2	24	24
Crop Production	PF	Line sowing of Mustard	1	On campus	7		7	40	21	61	68
Crop Production	PF	Line sowing of Mustard	1	On campus	6		6	31		31	37
Crop Production	PF	Line sowing of Mustard	1	On campus			0	30	3	33	33
Crop Production	PF	Line sowing of Mustard	1	On campus	4	6	10	27	40	67	77
Farm machinery	PF	Operation & Maintenance of improved sowing implements	1	off campus	2	1	3	37	3	40	43
Farm machinery	PF	Raised bed planting mustard	1	off campus	0	0	0	55	0	55	55
Farm machinery	PF	Raised bed planting mustard	1	off campus	0	0	0	37	13	50	50
Crop Production	PF	Line sowing of Mustard	1	On campus	5	3	8	33	27	60	68
Farm machinery	PF	Mustard sowing with Line sowing and its benefits	1	off campus	4	2	6	23	6	29	35
Farm machinery	PF	Importance of intercropping and its role in mitigating drought	1	off campus	0	0	0	21	3	24	24
Farm machinery	PF	Zero tillage technique in Rabi Crop seasion	1	off campus	4	2	6	23	6	29	35
Farm machinery	PF	Care & Periodic Maintenance of different farm tools and Machineries	1	off campus	2	1	3	20	2	22	25
Farm machinery	PF	Zero tillage technique in Rabi Crop seasion	1	off campus	1	0	1	22	3	25	26
Farm machinery	PF	RB planting pea	1	off campus	0	0	0	34	10	44	44
Farm machinery	PF	Importance of intercropping and its role in mitigating drought	1	off campus	0	0	0	21	3	24	24
Farm machinery	PF	Line sowing of Pea	1	off campus	0	0	0	44	0	44	44
Farm machinery	PF	Line Sowing Lentil	1	off campus	0	0	0	34	0	34	34
Farm machinery	PF	Line Sowing Lentil	1	off campus	0	0	0	26	24	50	50
Farm machinery	PF	RB sowing of wheat	1	off campus			0	43	11	54	54

Farm machinery	PF	Field day & crop cutting	1	off campus	0	0	0	35	18	53	53
Farm machinery	PF	Operation & Maintenance of improved sowing implements	1	off campus	2	1	3	37	3	40	43
Farm machinery	PF	ZT Wheat	1	off campus	4	2	6	30	16	46	52
Crop Production	PF	Seed treatment with Rhizobium betox sowing of lentil	1	off campus	6	3	9	35	6	41	50
Crop Production	PF	Natural farming	1	off campus			0	58	15	73	73
Farm machinery	PF	Line sowing of Maize	1	off campus	0	0	0	49	1	50	50
Farm machinery	PF	Line Sowing of Maize	1	off campus	4	7	11	30	9	39	50
Farm machinery	PF	Zero Tillage wheat sowing	1	off campus	5	0	5	26	9	35	40
Soil and Water Conservation	PF	Irrigation water management in Mustard crop	1	off campus	4	3	7	36	7	43	50
Farm machinery	PF	Weed management by weeder in Rabi Crop season	1	off campus	5	5	10	30	10	40	50
Crop Production	PF	Weed Management in Maize	1	off campus	6	4	10	30	10	40	50
Crop Production	PF	Weed Management in Lentil	1	off campus	7	4	11	30	9	39	50
Crop Production	PF	Nutrients management of mustard crop	1	On campus			0	12	28	40	40
Crop Production	PF	Pest Management on Mustard Crop	1	On campus			0	24	16	40	40
Farm machinery	PF	Performance of raised bed in maize crop	1	off campus	0	0	0	56	0	56	56
Crop Production	PF	Disease Pest Management on Mustard Crop	1	On campus			0	30	47	77	77
Crop Production	PF	Weed Management in wheat	1	off campus	0	0	0	30	12	42	42
Crop Production	PF	Weed Management in maize	1	off campus	0	0	0	37	3	40	40
Home Science	EF	Mushroom Production & value addition for SC farmers	1	On campus	0	24	24	0	0	0	24
Soil Health	EF	Soil Health camp	1	off campus	7	1	8	14	1	15	23
Crop Production	EF	Direct sowing of paddy and water management	1	off campus			0	0	37	37	37
Farm machinery	EF	Calibration and Validation of Zero-Till (ZT) Machines for Direct Seeded Rice (DSR)	1	off campus	2	1	3	14	8	22	25
Crop Production	EF	Direct sowing of paddy and weed control	1	off campus			0	3	8	11	11
Crop Production	EF	Direct sowing of paddy and weed control	1	off campus			0	9	0	9	9
Crop Production	EF	Direct sowing of paddy and weed control	1	off campus			0	11	12	23	23
Crop Production	EF	Agri Entrepreneurship Group Meeting (FPOs/SHGS)	1	On campus			0	22	3	25	25
Crop Production	EF	Primary Agriculture credit societies (PACS)	1	On campus			0	0	17	17	17
Farm machinery	EF	Care & Periodic Maintenance of different farm tools and Machineries	1	off campus	2	1	3	20	2	22	25
Crop Production	EF	Technology of Seed Production	1	off campus			0	20	2	22	22

Crop Production	EF	Latest development in Maize, Basmati Rice and Wheat along with scope of value addition in different major crops of the district	1	On campus			0	16	1	17	17
Total					94	112	206	1837	954	2791	2997

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	

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

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	INM	Nutrient Management	15.02.2024-29.02.2024	15		1	38			2						40	
2	INM	Nutrient Management	06.08.2024-20.08.2024	15		1	36			4						40	

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	
Nil													

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	
Nil													

3.5. A. ACHIEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	1	190	735	925	207							190	735	925	207	0
Kisan Mela participated	4	822	838	1660	537							822	838	1660	537	0
Field Day	12	294	19	313								294	19	313	0	0
Kisan Gosthi	7	741	525	1266	84							741	525	1266	84	0
Exhibition organized																
Participation in exhibition																
Film Show																
Method Demonstrations																
Farmers Seminar																
Workshop																
Group discussion																
Lectures delivered as resource persons																
Advisory Services	138	122	17	139								122	17	139	0	
Scientific visit to farmers field	92	137	28	165	18	0						137	28	165	18	
Farmers visit to KVK	475	439	29	468	8							439	29	468	8	
Diagnostic visits																
Exposure visits	3	284	183	467								284	183	467	0	
Ex-trainees Sammelan																
Soil health Camp																
Animal Health Camp																
Agri mobile clinic																
Soil test campaigns																
Farm Science Club																

Conveners meet																
Self Help Group Conveners meetings																
Mahila Mandals Conveners meetings																
Special day celebration																
Sankalp Se Siddhi																
Swatchta Hi Sewa																
Celebration of important date																
Others (Farmers scientist intraction)	1	33	17	50			2	3	5			36	20	56		
Special Campaign	9	118	159	277								118	159	277	0	0

B. Other Extension/content mobilization activities

Nature of Extension Activity	**No. of activities**
Newspaper coverage	5
Radio talks	
TV talks	
Popular articles published	4
Extension Literature	1
Electronic media	3
Any other	

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Solar Power irrigation - 23 Sep	1	29	Solar Energy
Zero Tillage and Happy Seeder - 24 Sep	1	52	Conservation Technology
IFS - 25 Sep 2024	1	34	IFS
Vermicompost - 26 Sep 2024	1	20	Four Pit method
Poshan Vatika 27 Sep 2024	1	55	Vegetables
Natural Farming - 28 Sep 2024	1	21	Jeewa Amrit

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	42	8	50	10	2	12	62	10	72
International Women's Day (8th Mar.)										
Ambedkar Jayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)	1	2	1	3	5	0	5	7	1	8
Independence Day (15th Aug.)	1	40	15	55	10	2	12	50	17	67
Parthenium Awareness Week	1	40	7	47	2	0	2	42	7	49
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)	2	63	19	82	7	2	9	70	21	91
Mahila Kisan Diwas (15th Oct.)										
World Food Day (16th Oct.)										
Vigilance Awareness Week										
National Unity Day (31st Oct.)										
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)										
National Constitution Day (26th Nov.)	1	21	9	30	4	1	5	25	10	35
World Soil Day (5th Dec.)										
Kisan Diwas (23rd Dec.)	1	24	47	71	3	1	4	27	48	75
Any other day										
ICAR- AUs Interaction meetings (10 FEB 2024)	1	10	2	12	8	1	9	18	3	21
Lecture on "The Power of Self Awareness" by Brahma Kumaris World Spiritual University, Paris, France (26 nOV 2024	1	21	9	30	6	1	7	27	10	37
RPCAU stall at Sonpur Mela	1	7	2	9	2	0	2	9	2	11
Inaugural and hands-on training of Annual Zonal Workshop of ATARI, Zone-IV (29 AUG 2024)	1			0	5	2	7	5	2	7
96th ICAR Foundation and Technology Day programme (16 July 2024)	1			0	7	1	8	7	1	8

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	8 Nov 2024	Hon'ble PM Modi unveils 109 new crop varieties to boost agriculture	PM	47	8	2	57
2	28 FEB 2024	Kisan Samman Nidhi Yojana (PM-KISAN) live telecast AND Orchard management at KVK, Saraiya	PM	100	7	3	110
4	11Aug 2024	Hon'ble PM's programme vis-a-vis Release of 109 Crop varieties developed by ICAR (on scheduled to be held on 11th August, 2024 in the Research Farm of ICAR-IARI, Pusa, New Delhi	PM	47	9	2	58

5	18 Jan 2024	Live webcast for VBSY and Launch of New Schemes by Hon'ble Prime Minister o	PM	502	9		511
6	5 Oct 2024	Webcast of release of 18th instalments of PM KISAN Sammelan	PM	23	9		32
7	18 July 2024	17th PM Kisan Samman Nidhi Yojana	PM	111	8		119
8	28 Feb 2024	Kisan Samman Nidhi Yojana (PM-KISAN) live telecast	PM	96	7		103

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
Nil								
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							
Wheat	HD2967	61.20					
Paddy	Rajshree	50.00					
Finger Millet	RAU8	3.55					
Oil seed							
Mustard	R. Suflam	14.10					
Pulses							
Green Manure							
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Others (Dhaincha)	**Local**	**0.90**					
Grand Total		**129.75**					

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Hybrid	1000	1000	1		7	8
Cabbage	Hybrid	50	250			7	7
Tomato	Hybrid	8	40			8	8
Brinjal							
Chilli	Hybrid	10	50			10	10
Onion							
Others							
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango							
Guava							
Lime							
Papaya							
Banana							
Wood apple	Narendra dev 1	2	140			1	1
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		1070	1480	1	0	33	34

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

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

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	**ST**	**Other**	**Total**
Dairy animals							
Cows							
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.	PH meter	1
2.	EC	1
3.	Flame photometer (nonfunctional)	1
4.	Spectrophotometer	1
5.	Shaker	1
6.	Water distillation unit	1
7.	Weighing balance	1
8.	Physical balance	1
9.	Soil testing kit	2
10.	Water testing kit	1
11.	Hotplate shaker	2
12.	Kjeldahl unit	1
13.	Hot air oven (non-functional)	1
14.	Digital PH meter	1
15.	Soil testing van	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
Soil testing kits/labs	KVK Saraiya	692

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	692	21	692	34600.00
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

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

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.)
1	5	5	0	600	5

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				
2017-18				
2018-19				
2019				

2020				
2021				
2022				
2024				
2024				

4. Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	
Nursery	
Animal sector	
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	**Tarun Kumar**, Madhu Sudan Kundu , Ratnesh Kumar Jha (**2024**), Impact of crop rotation and tillage operations on mitigating greenhouse gas emissions and evaluation of sustainability index in rice- wheat-green gram cropping system of north Bihar. *Journal of Environmental Management 366 (2024) 121689*	1	
2	Research paper	Adarsh, A., **Kumar, T**., Kumari, K., Singh, R., Kundu, M.S., Jha, R.K., Prasad, J., Kumari, A., Pratap, T. and Tiwari, R.K., (**2024**), Enhancing Sustainability and Productivity of Rice–Wheat-Green Gram Cropping System through Alternative Tillage and Crop Establishment Approaches in North-Bihar. *International Journal of Plant Production.* ***https://doi.org/10.1007/s42106-024-00296-1***	1	
3	Research paper	Agrawal, N., Govil, H., & **Kumar, T**. (**2024**), Agricultural land suitability classification and crop suggestion using machine learning and spatial multicriteria decision analysis in semi-arid ecosystem. *Environment, Development and Sustainability, 1-38.*	1	
4	Research paper	**Kumar, T**., Veeranna, J., Gupta, S. K., Kundu, M. S., Kumari, N., Gautam, A. K., ... & Kumari, A (2024) Assessing land suitability for sustainable aquaculture development in Muzaffarpur, Bihar using integrated approach of multi-criteria decision analysis and GIS Indian Journal of Fisheries, 70(4).	1	
5	Research paper	**Kumar, T**., Kundu, M.S., Gupta, S.K. *et al.* Sustainable tillage and residue management for enhanced soil health and productivity in North Bihar's rice–wheat-green gram system. *Environ Dev Sustain* (2025). https://doi.org/10.1007/s10668-024-05951-1	1	

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	Tarun Kumar, Anil Kumar Singh, Madhu Sudan Kundu, Alka Rani and Nidhi Kumari (2024) Enhancing Wheat Yield and Economic Returns via Various Tillage Techniques and Supplemental Irrigation Amid Terminal Heat Stress in Muzaffarpur District. International Conference AATSRFDI-24.	Online	Online
Books published			
Book chapter published	Anshu Gangwar, Arvind Kumar Singh, **Tarun Kumar,** Bhaskar Pratap Singh, Ashish Rai, and Jitendra Rajput. (2024) Resource Conservation Technologies for Sustainable Management of Soil, Water and Energy in Modern Agriculture. Tylor & Francis Group ISBN 9781003441175	Online	Online
Popular articles published			
Success story published			
TOTAL	2		

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	8	3500	3500
Extension folders/leaflet/pamphlets			
Technical reports			
News letter			
Electronic Publication (CD/DVD etc)	1. DSR Paddy Tarun Kumar 2. Preparation of seedling for rice transplanter Tarun Kumar	Online	Online
TOTAL	10	3500	3500

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.	Nil					

E. Awards/Recognition

Institutional Award received by KVK

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

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1	Dr. Tarun Kumar	Best Oral Presentation	nil	Best Oral Presentation	International Conference
1	Dr. Rajneesh Singh	Best Poster Presentation	nil	Best Oral Presentation	International Conference

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	KVK Saraiya	Mr. Rajesh Ranjan Kumar	"District" Millioniaire Farmer of India Award- 2024	Bhagwatpur	9771929903	Nil	"District" Millioniaire Farmer of India Award- 2024	Mahindra
2	KVK Saraiya	Mr. Abhishek Ranjan	"District" Millioniaire Farmer of India Award- 2024	Pokhrera	8210899601	Nil	"District" Millioniaire Farmer of India Award- 2024	Mahindra
3	KVK Saraiya	Mr. Rakesh Kumar	Innovative Farmer in 24 Foundation day of ICAR Patna	Dwarikanathpur	9431441605	Nil	Innovative Farmer in 24 Foundation day of ICAR Patna	ICAR
4	KVK Saraiya	Mr. Nand Kishore	Innovative Farmer in 24 Foundation day of ICAR Patna	Kant Karja	9708100354	Nil	Innovative Farmer in 24 Foundation day of ICAR Patna	ICAR

3.7. TECHNOLOGY DEVELOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent
	Efficient Weeding with Manual Rotary Weeder	The manually operated rotary weeder efficiently uproots weeds, loosens soil, and enhances aeration, improving crop performance. Its lightweight, ergonomic design reduces labor by 50%, requires no external power, and offers a cost-effective alternative to chemical weed control. Eco-friendly and low-maintenance, it promotes sustainable farming by preserving soil health and reducing greenhouse gas emissions.	The rotary weeder technology enhances weeding efficiency, reduces labor by 40-50%, saves 15-20% water, and boosts crop yields (mustard: 15-20%, maize: 12-18%, vegetables: 18-25%). It is eco-friendly, eliminating chemical herbicides, conserving soil health, and promoting sustainable farming practices, benefiting small and marginal farmers.	The tool has strong commercialization potential due to affordability, scalability, and environmental benefits. Patent status is pending, with opportunities for mass production via FPOs, government schemes, and private manufacturers.
	Plastic waste aided ground water recharge pit	The low-cost rooftop rainwater harvesting system uses sand-filled plastic bottles instead of a conventional sand layer, enhancing groundwater recharge. Tested in Muzaffarpur (2020–22), it achieved 83–97% filtration efficiency, proving cost-effective and eco-friendly by repurposing plastic waste while improving infiltration rates. The technology uses waste plastic bottles filled with Sand, decrease the layer of boulder (used in conventional recharge structure) 1m boulder, 1m stone, 0.5m sand filled plastic bottles, 0.5m sand	The low-cost RRWH filter improves groundwater recharge (up to 19.45 mm/hr), repurposes plastic waste, and achieves 95–97% filtration efficiency. It reduces dependency on external water sources, minimizes maintenance, and operates without energy, making it a cost-effective, eco-friendly solution for small and marginal farmers.	The low-cost RRWH filter is affordable, eco-friendly, and useful for farmers and households. It reuses plastic waste, improves groundwater recharge, and has strong commercial and government support potential.
	Sustainable Farming Through Crop Rotation, Tillage Practices and GHG Mitigation	This technology enhances sustainability in Bihar's rice-wheat-green gram system through conservation tillage, crop rotation, and residue retention. It improves yields	The adoption of conservation agriculture practices in the rice-wheat-green gram system resulted in a 32% increase in	This technology holds strong commercial potential due to its scalability across 2.5 million hectares in North Bihar and similar regions. It reduces costs,

		(15-25%), reduces irrigation (24.76%), lowers emissions (23.46%), and enhances soil health. With increased profitability and climate resilience, it serves as a scalable model for sustainable agriculture in similar regions.	energy efficiency, a 23% reduction in carbon emissions, and improved profitability. Soil health improved with higher organic carbon and nitrogen content. Water use was reduced by 36%, and yields increased by up to 23%. The study highlights the potential for sustainable, climate-resilient farming practices to enhance productivity while mitigating environmental impacts, offering a scalable model for similar agro-climatic regions.	enhances profitability, and aligns with carbon credit programs. Market demand supports agri-tech innovation, advisory services, and precision tools. Its environmental and economic benefits attract government, private sector, and global adoption opportunities.

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
	Nil			

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)
Nil					

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	AI Applications in Extension and Research **Data Processing Tools**: Python, R, TensorFlow, and Scikit-learn for data analysis in research studies.	**Enhancing Decision-Making**: AI aids researchers and extension officers in making data-driven recommendations. **Real-Time Monitoring & Advisory**: AI-driven systems provide farmers with instant solutions for crop health and weather risks **Improving Accuracy & Efficiency**: AI processes large datasets faster, reducing manual errors in agricultural research. **Sustainable Agriculture**: AI helps in optimizing fertilizer use, water management, and climate-smart practices.

4. IMPACT

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

Name of specific area	Brief details of the area	No. of farmers benefited	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)
Vermicompost production	Promotes organic farming, improves soil health, and enhances nutrient recycling.	250	75	60%	Improved soil fertility, reduced dependence on chemical fertilizers.	Increase in yield by 12-15%, reduction in fertilizer cost by 20%.		
Mushroom cultivation	Low-cost, high-income enterprise suitable for small farmers and SHGs.	200	176	55%	Increased employment opportunities, year-round production possible.	Yield increased by 25%, income generation improved for small farmers.		
Value addition	Processing of vegetables, and cereals for better market value.	76	35	50%	Women empowerment, improved shelf life of farm products.	30% increase in market price of processed products, reduced post-harvest losses.		
Goatary	Breed improvement, better housing, and feed management practices.	127	124	65%	Increased meat and milk production, better disease resistance.	20-30% increase in weight gain, mortality rate reduced by 18%.		
Natural Farning	Promotion of chemical-free, sustainable farming techniques.	360	23	40%	Improved soil health, lower input cost, and eco-friendly farming.	30% cost reduction in inputs, increased soil organic matter by 15%.		
IFS	Diversification of farming components like fishery, poultry, and dairy.	5	4	35%	Risk minimization, increased farm resilience, year-round income.	40% higher productivity, increased nutrient recycling.		
Zero Tillage	esource conservation technology for wheat and other crops.	350	327	70%	Lower input cost, better soil structure, and moisture retention.	15% increase in wheat yield, 25% savings in fuel and labor.		
Micro Irrigation	Efficient water use through drip and sprinkler irrigation.	35	14	50%	Improved water-use efficiency, higher crop productivity.	40% water savings, 20% higher yield in horticultural crops.		
Seed production	Quality seed production for higher yield and better market value.	15	3	30%	Availability of high-yielding varieties, reduced dependency on external sources.	10-15% higher germination rate, better market price for seeds.		

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	
Registered address of the entrepreneur/firm	
Year of establishment	
Type of Enterprise	
Registration details	
No of members associated	
Technical components of the enterprise (with commodity)	
Annual Income/revenue of the enterprise	
Role of KVK/Technology backstopping (quantitative data support)	
Period/Timeline of the entrepreneurship development	
Economic and Social status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Major achievements	
Major constrains	
Images/Imp Documents	

C. Success stories/Case studies, if any

Smt. Chunu Devi

1. Personal information

1.	Name of the farmer/ entrepreneur:	Smt. Chunu Devi
2.	Date of Birth:	01.01.1987
3.	Education:	Middle class pass
4.	Farming Experience/ Experience in enterprise:	Mushroom cultivation and processing
5.	Cell no./ e-mail:	8409552325
6.	Full address:	Village - Bayadhi, Post-Saraiya, Block Saraiya-843126
7.	Professional membership - (Farmer club/SHG/ATMA/etc.)	Jeevika and ATMA, Muzaffarpur
8.	Major achievement of the farmers:	Mushroom cultivation and processing
9.	Awards received:	Innovative farmers from DRPCAU, Pusa

2. Professional Information

1.	**Title of the success story/case study**
	Mushroom Cultivation Improving Livelihoods
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)
	Smt. Chunu Devi, a resident of Bayadhi village, Saraiya block, Muzaffarpur, faced significant financial challenges due to limited income opportunities. Her family primarily relied on paddy farming and small-scale dairy activities, which provided minimal returns and were insufficient to meet household expenses. The seasonal nature of paddy farming and the high input costs associated with dairy farming further exacerbated the financial strain, leaving her in search of an alternative livelihood option. Recognizing her need for a sustainable source of income, Krishi Vigyan Kendra (KVK), Saraiya, intervened with a skill development initiative. She was provided with vocational training and a 30-day skill development program

	on round-the-year mushroom cultivation and processing. This training equipped her with the knowledge and technical skills necessary to establish and manage a mushroom cultivation enterprise with low investment and high returns. During the training, she learned about mushroom bed preparation, grading, packaging, harvesting techniques, and value-added product development. The potential for spawn production—a crucial input for mushroom cultivation—was also highlighted, as there was a growing demand for quality spawn in Muzaffarpur district. This inspired her to take up mushroom cultivation and spawn production as a full-time enterprise, utilizing her available waste land efficiently. Through innovative processing techniques, she expanded her business by developing value-added mushroom products such as mushroom-based snacks, pickles, namkeen, and packaged mushrooms, catering to the increasing market demand. This initiative not only transformed her financial condition but also provided a model for other women farmers to follow, demonstrating the viability of mushroom cultivation as a profitable agribusiness. With her dedication and the support of institutions like KVK, Saraiya, Smt. Chunu Devi has emerged as a role model in women entrepreneurship and sustainable farming, earning recognition as an Innovative Farmer from Dr. Rajendra Prasad Central Agricultural University (DRPCAU), Pusa.
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)
	To address the financial challenges faced by Smt. Chunu Devi, **KVK, Saraiya** designed a structured intervention focusing on **mushroom cultivation and processing** as a sustainable livelihood option. She was selected for **30 days of skill-based vocational training** on **round-the-year mushroom cultivation**, covering aspects like **mushroom bed preparation, harvesting, grading, packaging, and value addition**. KVK experts provided **hands-on demonstrations** and technical guidance on utilizing **low-cost inputs and efficient production techniques**. Recognizing the local demand for mushroom products, she was encouraged to expand into **value-added products like mushroom-based snacks, pickles, and namkeen**. To strengthen her business, KVK facilitated **linkages with Jeevika and ATMA**, enabling her to access **financial support, market connections, and self-help group (SHG) networks**. Extension activities, including **field visits, exposure tours, and knowledge-sharing sessions**, helped her refine her techniques and scale up production. Through continuous support and monitoring, KVK ensured she adopted **best practices in cultivation and processing**. As a result, Smt. Chunu Devi successfully established her enterprise, **enhancing her income, inspiring other women farmers, and earning recognition as an Innovative Farmer from DRPCAU, Pusa**.
4.	Details of Practices followed by the farmer
	Smt. Chunu Devi follows a **scientific approach** in mushroom cultivation, ensuring **high-quality production and profitability**. She cultivates **oyster and button mushrooms** using **low-cost techniques** on her available waste land. The key practices she follows include: **1. Mushroom Cultivation:** • Prepares **sterilized paddy and wheat straw-based beds** in a well-ventilated shed to maintain **optimal temperature and humidity**. • Implements **proper moisture management** and **disease prevention** techniques to ensure a high yield. • Harvests mushrooms at the right stage to maintain freshness and market value. **2. Processing and Packaging:** • Carefully cleans, sorts, and **grades mushrooms** before packaging. • Uses **hygienic and eco-friendly packaging materials** to maintain shelf life and quality. • Vacuum packs fresh mushrooms for **extended storage and market appeal**.

	3. Value Addition: • Develops **mushroom-based value-added products** such as **mushroom pickles, namkeen, dried mushrooms, and mushroom-based snacks**. • Uses **solar drying techniques** for dehydration, enhancing shelf life and reducing wastage. • Markets her products through **local markets, SHGs, and farmer networks**.
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)
	The successful adoption of **mushroom cultivation, processing, and value addition** has significantly improved the livelihood of **Smt. Chunu Devi**, making her a role model for other women farmers in the region. **1. Economic Impact:** • **Mushroom Cultivation:** Producing **20 quintals of mushrooms annually**, she earns approximately **₹156,000**. • **Processing and Packaging:** By selling **mushroom-based snacks, dried mushrooms, and namkeen**, she generates an additional **₹65,000**. • **Value Addition:** She further increases her income by producing **pickles and other mushroom-based products**, utilizing **solar drying techniques** for longer shelf life and reduced wastage. **2. Social Impact:** • Encouraged **women empowerment** by inspiring other SHG members to adopt mushroom farming. • Enhanced **rural employment** opportunities by engaging local women in processing and packaging. • Established **strong market linkages** through **SHGs, farmer networks, and local markets**, ensuring better price realization. **3. Long-term Sustainability:** • Effective **resource utilization** by cultivating mushrooms on waste land. • Increased **household income** and improved **nutritional security** for her family. • Recognition as an **Innovative Farmer** by DRPCAU, Pusa, motivating others to adopt similar practices.
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)*
	The intervention in **mushroom cultivation and processing** has transformed **Smt. Chunu Devi's** life, enhancing her **economic stability, skills, and social status**. Her income increased from **₹50,000 to ₹2,65,000 per year**, improving her family's financial condition. She has trained **over 50 women farmers** through SHGs, inspiring them to adopt mushroom farming. The program has led to **better nutritional awareness, resource utilization, and women's empowerment** in the region. A survey showed that **80% of trained women** have started mushroom cultivation, demonstrating a **positive shift in knowledge, attitude, and entrepreneurship**. Her success has influenced local policy, encouraging government support for small-scale agro-enterprises
7.	Future plans
	Smt. Chunu Devi aims to expand her **mushroom cultivation and processing enterprise** by adopting **advanced techniques and automation** to increase production efficiency. Her key future goals

	include: 1. **Scaling Up Production** – Expanding her mushroom farming area and adopting **climate-controlled cultivation** for year-round production. 2. **Establishing a Spawn Production Unit** – Setting up a **local spawn production center** to reduce dependency on external suppliers and support other farmers. 3. **Enhancing Value Addition** – Developing **new mushroom-based products** like biscuits, soups, and powders to tap into a larger market. 4. **Strengthening Market Linkages** – Partnering with **retail stores, online platforms, and government schemes** to expand sales. 5. **Training More Women Farmers** – Conducting **regular training programs** in collaboration with **ATMA, and SHGs** to empower rural women. 6. **Securing Government Support** – Applying for **subsidies and financial assistance** to upgrade infrastructure and establish a **mushroom processing unit**. With these initiatives, she envisions **creating employment opportunities, boosting rural entrepreneurship, and promoting sustainable agribusiness** in Muzaffarpur and beyond.
8.	Supporting Images
	

3. Economic Information

Enterprise	Gross Income (annual)	Net income	Cost-Benefit ratio
Production of Paddy Straw Mushroom	204000	159000	3.53
Production of Oyster Mushroom	45000	35200	3.59

Mr. Nandkishor Ray

1. Personal information

1.	Name of the farmer: Mr. Nandkishor Ray
2.	Date of Birth: 10.09. 1979
3.	Education : Graduation
4.	Farming Experience/ Experience in enterprise:
5.	Cell no./ E-mail: 9708100354
6.	Full address: Kandh Karja
7.	Professional membership : Farmer club (Farmer club/SHG/ATMA/etc.)
8.	Major achievement of the farmers
9.	Awards received: Innovative farmers

2. Professional Information

1.	Title of the success story/case study: **A Farmer's Path to Sustainable Farming**
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)
	Situation Analysis/Problem Statement Agriculture in Muzaffarpur, Bihar, has long been challenged by erratic weather patterns, inefficient traditional practices, and limited awareness of modern farming techniques. Mr. Nandkishor Ray, a 46-year-old progressive farmer from Kandh Karja village in Madwan block, faced these challenges firsthand. Despite owning six acres of land, Mr. Ray struggled with low productivity and financial instability due to outdated farming methods. His reliance on local seed varieties, conventional transplanting for paddy, and flatbed sowing for maize resulted in inefficient resource utilization. Additionally, his summer fields remained fallow, further limiting his farm's profitability. Environmental factors also posed significant obstacles. Frequent floods during the Kharif season damaged his paddy crops, while terminal heat stress in Rabi led to yield reductions in maize. Erratic rainfall patterns and rising input costs further strained his farming operations, making it difficult to achieve sustainable growth. Recognizing the need for change, Mr. Ray sought a solution that could enhance productivity, optimize resource use, and mitigate climate-related risks. The introduction of the **Climate-Resilient Agriculture (CRA) Programme** in 2020-21 provided the much-needed intervention, equipping him with scientific farming techniques and modern technologies to overcome these challenges. The CRA initiative, implemented through **Saraiya Krishi Vigyan Kendra (KVK),** focused on conservation agriculture practices such as **laser land leveling, direct-seeded rice (DSR), raised bed planting (RBP) for maize, and zero-tillage (ZT) moongbean cultivation.** These interventions promised reduced input costs, improved water efficiency, and higher resilience to climate fluctuations, offering a sustainable pathway to enhanced agricultural productivity and profitability. Thus, the need for a **climate-smart approach** in farming prompted this initiative, aiming to transform traditional agricultural practices into a more resilient, productive, and economically viable system for Mr. Ray and other farmers in Muzaffarpur.

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)
	To address the challenges faced by Mr. Nandkishor Ray and other farmers in Muzaffarpur, the **Climate-Resilient Agriculture (CRA) Programme** was introduced in 2020-21. This initiative, implemented through **Saraiya Krishi Vigyan Kendra (KVK),** aimed to enhance farm productivity, optimize resource utilization, and mitigate the adverse impacts of climate change through **scientific interventions and advanced agricultural technologies.** **Extension Approach and Implementation Process** 1. **Farmer Selection and Awareness Building** o Mr. Ray was identified as a progressive farmer with the potential to adopt and demonstrate CRA practices. o KVK experts conducted **awareness camps, training sessions, and field demonstrations** to educate farmers about climate-resilient farming techniques. o Emphasis was placed on **soil and water conservation, climate-smart crops, and resource-efficient technologies.** 2. **Technology and Technical Knowledge Transfer** The following **scientific interventions** were introduced to improve Mr. Ray's farm productivity: o **Laser Land Leveling**: Ensured uniform field leveling, reducing water runoff and improving irrigation efficiency. o **Direct-Seeded Rice (DSR)**: Replaced traditional transplanting, significantly reducing water and labor requirements while improving yields. o **Raised Bed Planting (RBP) for Maize**: Enhanced drainage, minimized waterlogging, and increased productivity. o **Zero-Tillage (ZT) Moongbean Cultivation**: Utilized previously fallow land in summer, improving soil fertility and generating additional income. o **Improved Pest and Nutrient Management**: Scientific weed and nutrient application strategies were adopted to optimize crop health and productivity. 3. **Support and Collaboration** o **Saraiya KVK provided continuous technical support, field visits, and real-time problem-solving assistance.** o Experts from **agricultural universities and ICAR institutes** were consulted to introduce improved seed varieties and soil fertility management techniques. o The **Department of Agriculture, Bihar,** facilitated access to government schemes and subsidies for purchasing modern farm equipment like laser land levelers. o **Farmer Producer Organizations (FPOs)** were engaged to create market linkages and ensure better price realization for the produce.

	4. **Demonstration and Scaling Up** o Mr. Ray's farm was developed as a **model demonstration site**, encouraging neighboring farmers to witness the benefits of CRA practices firsthand. o Field days and knowledge-sharing meetings were conducted to promote wider adoption of climate-resilient techniques in the region.
4.	Details of Practices followed by the farmer
	With guidance from **Saraiya Krishi Vigyan Kendra (KVK)** under the **Climate-Resilient Agriculture (CRA) Programme,** Mr. Nandkishor Ray adopted several advanced agricultural practices that significantly improved his farm productivity, profitability, and sustainability. **1. Soil and Water Management** ✅ **Laser Land Leveling**: • Ensured uniform field leveling, reducing water runoff and improving water-use efficiency. • Helped in better nutrient distribution across the field. ✅ **Efficient Irrigation Practices**: • Shifted from flood irrigation to **resource-efficient irrigation techniques**, reducing water wastage. • Optimized the irrigation schedule based on crop requirements. **2. Crop Management** ✅ **Direct-Seeded Rice (DSR) in Kharif Season** • Eliminated traditional transplanting, reducing labor and water requirements. • Improved seed germination and enhanced plant growth due to uniform spacing. • Reduced methane emissions, making it an **eco-friendly alternative** to conventional paddy cultivation. ✅ **Raised Bed Planting (RBP) for Maize in Rabi Season** • Improved soil aeration and root development. • Enhanced water drainage, preventing waterlogging and disease incidence. • Increased productivity compared to conventional flatbed methods. ✅ **Zero-Tillage (ZT) Moongbean Cultivation in Summer** • Converted previously fallow land into productive fields, ensuring continuous income. • Increased soil organic matter and nitrogen fixation, enhancing soil health. • Reduced soil disturbance, minimizing erosion and improving moisture retention. **3. Nutrient and Pest Management** ✅ **Balanced Fertilization** • Adopted **soil testing-based nutrient management** to ensure precise fertilizer application.

	• Used **organic manures and biofertilizers** (like Rhizobium for moongbean) to enhance soil fertility. • Practiced **Integrated Nutrient Management (INM)** for sustainable soil health. ✅ **Integrated Pest and Weed Management (IPM & IWM)** • Used **mechanical and cultural weed control methods** (such as stale seedbed technique) to reduce herbicide dependency. • Adopted **pest-resistant crop varieties and biological pest control** measures. • Practiced **crop rotation** to break pest and disease cycles. **4. Farm Mechanization and Resource Optimization** ✅ **Use of Modern Machinery** • Adopted **seed drill and happy seeder** for precise sowing and residue management. • Used **power weeder** to control weeds efficiently. ✅ **Crop Residue Management** • Avoided burning of crop residues and instead used them for **mulching and organic matter enrichment**. • Incorporated stubble into the soil to improve moisture retention and microbial activity. **5. Market Linkage and Income Diversification** ✅ **Direct Market Linkage** • Connected with **Farmer Producer Organizations (FPOs)** and local markets to sell produce at better prices. • Reduced dependency on middlemen, ensuring **higher profitability**. ✅ **Crop Diversification and Year-Round Farming** • Increased income streams by cultivating three crops per year. • Ensured farm resilience against climate shocks by **diversifying crop choices**. **Impact of Practices Adopted** • **Increased farm productivity:** Higher yields in paddy (21.6 q/acre), maize (28.2 q/acre), and moongbean (3.72 q/acre). • **Enhanced profitability:** Net income significantly increased across all crops. • **Improved soil health:** Adoption of conservation agriculture techniques enhanced soil fertility. • **Climate resilience:** Reduced vulnerability to erratic rainfall, drought, and terminal heat stress.
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)
1. Economic Impact **Increased Crop Productivity and Profitability**	

The introduction of scientific farming techniques significantly enhanced **crop yields** and **net income**:

Crops	Area(acre)		Production (q/acre)		Gross income (Rs)		Net income(Rs)		% increase over base year	
	2018-19	2023-24	2018-19	2023-24	2018-19	2023-24	2018-19	2023-24	Production	Income
Maize (RBP)	6	6	21.6	28.2	37800	62745	24090.32	46632.10	23.40	48.34
Paddy (DSR)	6	6	14.4	21.6	24480	47152.8	11375.16	33241.51	33.33	65.78
Moong (ZT)	0	6	0	3.72	0	31835.76	0.00	21674.47	100.00	100

Key Insights:

✅ **Higher Yields**: CRA practices led to **23-50%** increase in crop productivity.

✅ **Improved Profitability**: Net income **more than doubled** for maize and paddy, while moongbean cultivation added a **new revenue stream.**

✅ **Optimized Resource Utilization**: Water, fertilizers, and labor costs were **significantly reduced** due to conservation agriculture techniques.

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2. Social and Livelihood Impact

Improved Livelihood and Financial Stability

✅ **Steady Income for the Family**: With year-round cropping, Mr. Ray ensured **continuous income flow** for his family.

✅ **Increased Savings and Investments**: Higher profits allowed him to **invest in farm mechanization and better inputs.**

Employment Generation

✅ **Reduced Seasonal Unemployment**: By cultivating moongbean in the summer season, additional employment opportunities were created for **family members and local laborers.**

Adoption by Neighboring Farmers

✅ **Knowledge Sharing**: Mr. Ray became a **role model**, inspiring 15+ farmers from his village to adopt **Direct Seeded Rice (DSR), Raised Bed Planting (RBP), and Zero-Tillage (ZT).**

✅ **Formation of Farmer Groups**: Encouraged collaboration among farmers to procure inputs and sell produce at better prices.

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3. Environmental and Climate Resilience Impact

Water Conservation

✅ **30-35% Reduction in Water Use**: Adoption of **DSR and Raised Bed Planting** significantly reduced irrigation requirements.

Soil Health Improvement

✅ **Organic Matter Enrichment**: Moongbean cultivation improved **soil fertility through nitrogen fixation.**

✅ **Minimal Soil Disturbance**: Zero-tillage practices enhanced **soil structure and microbial activity.**

Climate Resilience

✅ **Reduced Crop Vulnerability**: CRA techniques helped crops **withstand erratic rainfall, terminal heat stress, and drought conditions.**

✅ **Lower Greenhouse Gas Emissions**: Direct-seeded rice reduced **methane emissions** compared to conventional transplanting.

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4. Long-Term Sustainability and Future Potential

- **Self-Sufficiency in Farming**: With better income and efficient practices, Mr. Ray has become **less dependent on external inputs.**
- **Scaling-Up of CRA Practices**: Neighboring farmers are **increasingly adopting CRA techniques** after witnessing his success.
- **Enhanced Market Access**: Mr. Ray is now **better connected with Farmer Producer Organizations (FPOs)** for better price realization.

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)*
	The adoption of **Climate-Resilient Agriculture (CRA) practices** significantly improved **productivity, income, and resource efficiency** for Mr. Nandkishor Ray and his community. His **net income increased by 93.54% (maize) and 192.32% (paddy)** while reducing water use by **30-35%**. Over **15 neighboring farmers** adopted similar techniques, improving **soil health, climate resilience, and employment opportunities**. Knowledge-sharing and farmer-led innovations promoted **sustainable farming practices**, strengthening **food security and livelihoods**.

Economic Impact Table

Crops	Yield Increase (%)	Net Income Increase (%)
Maize (RBP)	30.56%	93.54%
Paddy (DSR)	50%	192.32%
Moongbean (ZT)	100%	100%

This success story demonstrates how **scientific interventions** and **extension support** can transform rural agriculture, ensuring **long-term sustainability and profitability**

7.	Future plans
	Mr. Nandkishor Ray aims to expand **Climate-Resilient Agriculture (CRA) practices** to improve sustainability and profitability. He plans to **increase zero-tillage, raised-bed planting, and direct-seeded rice** across more farmland while integrating **agroforestry** for income diversification. To enhance efficiency, he will adopt **precision farming techniques**, including **drip irrigation and mechanized sowing**. Additionally, he intends to transition a portion of his land to **organic farming** and explore **value-added processing** for better market returns.
8.	Supporting Images

3. Economic Information

Crop/ Technology	Yield (q/ha)	Gross Income (Rs)	Gross Income (Rs)	B:C ratio
Maize (RBP)	64.4	134658.70	97858.70	2.66
Paddy (DSR)	47.6	104774.68	70274.68	2.04
Wheat (ZT)	49.5	105081.25	72581.25	2.23
Moong (ZT)	12.2	103955.40	74655.40	2.55

Maize at Anantkarja village

DSR technology used in sowing of paddy

Zero tillage Green gram

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Govt. of Bihar	Krishi Yantrikaran evam upadan mela, Joint Visits, Crop Cutting (CRA), Diagnostic visits, meetings
Agricultural Technology Management Agency (ATMA) Muzaffarpur	Involvement in Rabi Mahotsav, Kharif Mahotsav, Kisan Chaupal, Krishak Gosthi, Training Programme, Training and field visit
Department of Horticulture govt. of Bihar	NHM, PMKSY, Trainings
District Animal Husbandry Officer, Bihar Govt.	Awareness among farmers about Central and State Govt. schemes, vaccination etc..
District Fisheries Officer, Bihar Govt.	Awareness about Pradhan Mantri Matsya Sampada Yojna, KCC for fish farmer
RPCAU, PUSA	Extension activities, Kisan Mela, Farmers exposure visit,
TCA Dholi	Seed supply and sale

National Research Centre on Litchi, Muzaffarpur	Planting material
IFFCO, Muzaffarpur	Plant protection chemicals, Viksit Bharat Programme, Drone Demo
NFL, Muzaffarpur	Viksit Bharat Programme, Drone Demo
BAMETI, Patna	Meetings
NABARD	Viksit Bharat Programme, Awareness of different schemes of Central & State Govt.
JEEVIKA (Bihar Rural Livelihood Mission)	Capacity Building

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.)

(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.ft)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom spawn unit	2012	120	-	-	-	-	-	Demonstration purpose
2.	Mushroom production unit	2015	600	-	-	-	-	-	
3.	Vermicompost	2009	400			60.0 q	-	36000	
4.	Azolla		300	-	-	-	-		Demonstration purpose
5.	Poly house	2020		Cucurbits,tomato, brinjal capsicum and chilli	Chili Brinjal, Cauliflower, Cabbage, Beans, papaya, Citrus	1115 2682 690 200 65 408 15		18000.00	
6	Shed net	2020							
7.	Zero energy cool chamber	2017	1.33						Demonstration purpose
8	Low cost onion storage structure	2017	1.71	-	-	-	-	-	For demonstration purpose
9	Implement shed	2022	500	-	-	-	2500000	-	Under CRA Project
10	Micro-irrigation system	2021		Rice-wheat	Rice-wheat		-	-	

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	20/12/2023	23/04/2024	2.0	HD2967	Seed	61.20			
Mustard	26/10/2023	11/03/2024	2.0	R. Suflam	Seed	14.10			
Dhaincha	21/04/2024	11/07/2024	0.4	Local	Seed	0.90			
Paddy	12/07/2024	13/11/2024	3.0	Rajshree	Seed	50.00			
Mustard	28/10/2024	Crop standing	2.0	R. Suflam	Seed	-			
Finger Millet	10/07/2024	09/09/2024	0.4	RAU8	Seed	3.55			

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

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

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

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							

6.5. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others (pl. specify)	Present status of functioning
2022	IMD, Pune	Functional

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
June	40	15 Days	Nil
September	40	15 Days	Nil
Total:	80	30	Nil

(For whole of the year)

6.7 Utilization of staff quarters

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

Months	Q I	QII	Q III	QIV	Q V	QVI
Whether staff quarters has been completed:	Not Available					
No. of staff quarters:						
Date of completion:						
Occupancy details:						

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main account	SBI, ADB,Saraiya	Saraiya	11442062178
Revolving fund	SBI, ADB,Saraiya	Saraiya	11442113341
New Account	SBI, ADB, Saraiya	Saraiya	38702516164
KVK Saraiya (CFLD Pulses)	SBI, ADB, Saraiya	Saraiya	42437083682
KVK Saraiya (CFLD Oil Seed)	SBI, ADB, Saraiya	Saraiya	42446069214
KVK Saraiya (Natural Farming)	SBI, ADB, Saraiya	Saraiya	42446447303
KVK Saraiya (Skill Development Training Programme)	SBI, ADB, Saraiya	Saraiya	42439653449

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

Item	Released by ICAR		Expenditure		Unspent balance as on -1st April 2024
	Kharif	Rabi	Kharif	Rabi	
CFLD on Oilseed		139300		165200	-25900

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2024
	Kharif	Rabi	Kharif	Rabi	
Lentil		160702		83065	-160702

7.4. Utilization of KVK funds during the year 2024 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	12878656	12878656	12365661
2	Traveling allowances	90000	90000	89950
3	Contingencies			
A	Office	430000	430000	430000
B	Training OFT, FLD	696042	6866042	89950
C	Maintenance	40000	40000	40000
D	SCSP General	275000	275000	0
E	SCSP Capital	100000	100000	78540
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
TOTAL (B)				
C. REVOLVING FUND		280018748	280018748	723598
GRAND TOTAL (A+B+C)		294528446	300698446	13817699

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2021	1177311.92	680810.92	471485	1386637.84
2022	1386637.84	17212756.64	1353433	1754480.48
2023	1754480	1941633	895926	2800187.48
2024	280018748	523673	723598	189500.00

7.6. (i) Number of SHGs formed by KVKs: Nil
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities : 10 SHG & FPO
(iii) Details of marketing channels created for the SHGs: Nil

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
Kisan Mela	1	Rabi		ATMA	
Krishak Vaigyanik Vartalap	1	Rabi		ATMA	

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1	CHC	800000	
2	Seed	125000	
3	Dhaan Bichda	5025	
4	Non Seed	4000	
5	Soil Test	82500	
6	Seedling	10000	

7.9 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Training INM	Training	State Govt.	251000	
2	Kisan Mela	Kisan Mela	ATMA	200000	

8. **MISCELLANEOUS INFORMATION**

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

8.3. Nehru Yuva Kendra (NYK) Training

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

8.6 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 Doordarshan (Yes/ No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman Zila Panchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
15-Nov-24	0	0	0	0	0	0	0	103	3	106	No	News paper
16-Nov-24	0	0	0	0	0	0	0	106	3	109	No	News paper
17-Nov-24	0	0	0	0	0	0	0	114	4	118	No	News paper
19-Nov-24	0	0	0	0	0	0	0	108	3	111	No	News paper
23-Nov-24	0	0	0	0	0	0	0	150	3	153	No	News paper

8.7 . 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
1	28	57	1120	28

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
Bihar	Saraiya	Crop Production	2	35	--

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 VIP	Name of Ministry/ Dep	Salient points in his/ her observation (2-3 bulleted points)
26/11/2024	Mr. Michel Siman	Brahma Kumari Spritual University	Good wishes to KVK. Good work to make land green, fertile and abundant to nourish as many people as possible.
11/12/2024	Dr. R Suresh (Dean CAET, Pusa)	RPCAU, Pusa	The project / experiments on conservation agriculture and CRA programme was found quite satisfactory. Overall, a good managed KVK complex.
14/12/2024	Prof. S. Pasupalak, Ex- Vice Chancellor	OUAT, Bhubaneshwar	Visited the KVK farm. Impressed with the crops and cropping system grown with right agronomy practices, drainage, green manuring and planting techniques are as per recommendations. Farm machinery and climate smart techniques are also visible.
23/12/2024	Nikhil Kumar	Mahabir Bajrang Agro	It was a good experience
23/12/2024	Dr. Amit Kr. Mishra (Consultant)	NFSM	Visited CFLD on mustard plots and found that all plots are well maintained. Overall good experience.

8.10 Details of Scientific Advisory Committee (SAC) Meetings

<table>
<tr><th>Date</th><th>Number of Participants</th><th>Total statutory member present (State line dept.)</th><th>Salient Recommendations</th><th>Action taken</th><th>If not conducted, state reason</th></tr>
<tr><td>28.07.2023</td><td>40</td><td>19</td><td>कृषि से संबंधित स्थानीय प्रमुख समस्याओं के आधार पर प्रशिक्षण कार्यक्रम आयोजित किए जाएं एवं अधिक से अधिक किसान लाभान्वित हो सके।</td><td>कृषि से संबंधित स्थानीय समस्याओं से कृषि यंत्रों का रख–रखाव एवं मरम्मती, मत्स्य रोग प्रबंधन, उन्नत बीज उपलब्धता, फल–सब्जी आदि की भंडारण संबंधी समस्याओं के विभिन्न प्रशिक्षण कार्यक्रम आयोजित किये गये जिसमें 210 किसान लाभान्वित हुए।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>लीची उत्पादों से संबंधित प्रशिक्षण एन0 आर0 सी0 लीची. मुशहरी, मुजफ्फरपुर के साथ मिलकर आयोजित किये जाएं साथ ही बिक्री संबंधी समस्या एवं अन्य समस्याओं के समाधान का प्रयास किया जाय।</td><td>पौधा संरक्षण वैज्ञानिक का पद रिक्त हो गया है इस वित्तीय वर्ष में लक्ष्य का प्राप्त कर ली जायेगी। लीची के उत्पाद यथा ''लीची स्क्वैश'' आदि का प्रशिक्षण गृह विज्ञान वैज्ञानिक द्वारा निरंतर करवाई जा रही है तथा इसे अग्रिम पंक्ति प्रत्यक्षण में भी षामिल कर लिया गया है तथा इसका परिणाम भी सराहनीय है। हमारे मोतीपुर प्रखंड के किसान श्री दुर्गेश कुमार सिंह जी का लीची स्क्वैश उत्पाद बाजार में उपलब्ध है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>केन्द्र द्वारा आयोजित प्रशिक्षणों के प्रभाव को किसानों के सफलता की कहानी के रूप में आंकड़ों सहित अनुपालन प्रतिवेदन में समाहित किया जाय।</td><td>प्रशिक्षणों के प्रभाव के किसानों की सफलता की कहानी के रूप में आंकड़ों सहित समाहित कर अवलोकनार्थ संलग्न की गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>मृदा परीक्षण हेतु चलंत मृदा परीक्षण प्रयोगशाला वाहन का प्रयोग किया जाय।</td><td>मृदा परीक्षण हेतु चलंत मृदा परीक्षण प्रयोगशाला वाहन का प्रयोग विभिन्न पंचायतों में किया गया है साथ ही कृषि विज्ञान केन्द्र, मांझी, सारण से भी 200 नमूना संग्रह कर जांच किया गया। विवरण निम्नांकित हैः–
<table>
<tr><th>पंचायत एवं प्रखंड</th><th>मिट्टी नमूना संग्रह</th></tr>
<tr><td>अंबारा, सरैया</td><td>40</td></tr>
<tr><td>दुबियाही</td><td>40</td></tr>
<tr><td>बखरा</td><td>40</td></tr>
<tr><td>मकेर</td><td>200</td></tr>
</table></td><td></td></tr>
<tr><td></td><td></td><td></td><td>किसानों का समूह बनाकर किसानों के प्रक्षेत्र में बीज उत्पादन कराने का प्रयास किया जाय।</td><td>द्वारिकानाथपुर, अनंतकरजा, भागवतपुर आदि ग्रामों में 03 किसान समूह बनाकर गेहूं, धान, सब्जी, मक्का, अरहर आदि का बीज उत्पादन किसानों के प्रक्षेत्र पर ही किया जा रहा है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>सभी कार्यक्रमों/प्रशिक्षणों में छात्रों को कृषि एवं कृषि से संबंधित विश्वविद्यालयों/कॉलेजों में पढ़ाई आदि की जानकारी मुहैया करायी जाये।</td><td>केन्द्र द्वारा आयोजित सभी प्रकार के प्रशिक्षण, जागरूकता अभियान, प्रक्षेत्र भ्रमण कार्यक्रमों आदि में कृषि एवं कृषि से संबंधित विश्वविद्यालयों/कॉलेजों में पढ़ाई आदि की जानकारी कृषकों, महिलाओं, विद्यार्थियों को भी दी जा रही है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>जिले के प्राकृतिक एवं जैविक खेती से संबंधित किसानों की विवरणी तैयार की जाय।</td><td>ग्राम–अमैठा, प्रखंड– सरैया के लगभग 15 किसान प्राकृतिक खेती को अपना कर खेती प्रारंभ कर चुके हैं तथा जिले के अन्य किसान जो प्राकृतिक खेती अपना चुके है, की विवरणी निम्न हैः–</td><td></td></tr>
<tr><td></td><td></td><td></td><td>सभी वैज्ञानिक अपने–अपने विषय से संबंधित आंकड़े सभी प्रखण्डों के विभागीय स्तर से प्राप्त कर संग्रहित करें।</td><td>केन्द्र के सभी वैज्ञानिक अपने–अपने विषय से संबंधित आंकड़े विभाग से प्राप्त कर ली गई है तथा वार्षिक प्रतिवेदन में संग्रहित कर दी गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>गृह वैज्ञानिक, जिले केहर्बल गुलाल बनाने वाली 40 महिला किसान का आंकड़ा एकत्रित कर प्रस्तुत करें।</td><td>गृह वैज्ञानिक जिले के 40 महिला कृषकों जो कि हर्बल गुलाल बनाती है, की सूची संलग्न की गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>पौधा संरक्षण वैज्ञानिक, एन0आर0सी0 लीची के वैज्ञानिकों के साथ मिलकर जिले के लिए लीची उत्पादन संबंधी आगामी रणनीति तैयार करें।</td><td>पौधा संरक्षण वैज्ञानिक का पद रिक्त हो गया है तथा रिक्ति के पहले से मातृत्व अवकाश लाभ पर थी जिस कारण जिले के लिए लीची उत्पादन संबंधी आगामी रणनीति तैयार नहीं की जा सकी इस वित्तीय वर्ष के इसकी उपलब्धी प्राप्त कर ली जायेगी।</td><td></td></tr>
</table>

			विश्वविद्यालय से संपर्क कर केन्द्र पर लीची, आम आदि पौधे किसानों के लिए उपलब्ध कराये जाये।	कृषि विज्ञान केन्द्र, बिरौली से आम,लीची,अमरूद आदि के लगभग 350 पौधें केन्द्र पर किसानों के लिए मंगा कर उपलब्ध करवाई गई है।	
			अगले वित्तीय वर्ष में चक्रिय खाता का लक्ष्य 25 लाख रुपये निर्धारित किया जाये।	इस वित्तीय वर्ष में केन्द्र के चक्रिय खाते में 19 लाख उपलब्ध है।	
			बिहार के चौथे कृषि रोड मैप के आधार पर प्रशिक्षण आयोजित किये जाये।	केन्द्र द्वारा आयोजित सभी प्रशिक्षण कार्यक्रमों का विषय बिहार के कृषि रोड मैप के आधार पर ही चयन किया गया था एवं सफलतापूर्वक कुल .....प्रशिक्षण.....लाभुकों का कराया गया।	
			किसानों के हित में केन्द्र पर किसान मेले का आयोजन किया जाये जिसमें लाइन डिपार्टमेंट, बैंक, नाबार्ड आदि को आमंत्रित किया जाय एवं योजना का विशेष रूप प्रदर्शित किया जाए।	आत्मा कार्यालय, मुजफ्फरपुर द्वारा वित्त पोषित किसान मेला का आयोजन मार्च–2024 में प्रायोजित है जिसमें जिले के किसानों के साथ–साथ लाइन डिपार्टमेंट, बैंक, नाबार्ड आदि सभी आमंत्रित है।	
			मत्स्य कृषकों के लिए मत्स्य बीज की उपलब्धता मत्स्यिकी महाविद्यालय, ढोली से संपर्क कर सुनिश्चित की जाय।	मत्स्य कृषकों के लिए उन्नत मत्स्य बीज की उपलब्धता हेतु मत्स्यिकी महाविद्यालय, ढोली से संपर्क किया गया है तथा अगले प्रजनन मौसम में मत्स्य बीज उपलब्ध करवाने का आश्वासन भी दिया गया है। इस वर्ष ढोली–महाविद्यालय द्वारा प्रजनित मत्स्य बीज का उपयोग बिहार सरकार द्वारा प्रायोजित "River Ranting" कार्यक्रम में किया जा चुका था।	
			अगले बैठक का एजेंडा सभी सम्मानित सदस्यों को बैठक की तिथि से पहले उपलब्ध करा दी जाय।	अगले वैज्ञानिक सलाहकार समिति की बैठक का एजेंडा सभी सम्मानित सदस्यों को बैठक के पूर्व उपलब्ध करा दी गई है।	
			सहायक उद्यान पदाधिकारी द्वारा सुझाव दिया गया कि OFT and FLD के लाभुक किसानों को उद्यान विभाग की योजनाओं से जोड़ा जाये।	उद्यानिकी से संबंधित कृषक जो OFT & FLD के लाभुकों है, की सूची उद्यान विभाग, मुजफ्फरपुर को उपलब्ध करा दी गई है ताकि वे विभागीय योजनाओं से लाभान्वित हो सकें।	
			प्रधान वैज्ञानिक, एन0 आर0 सी0 लीची द्वारा सुझाव दिया गया कि किसानों के लीची के बागों का जीर्णोंधार कृषि विज्ञान केन्द्र एवं एन0 आर0 सी0 के वैज्ञानिक साथ मिलकर क्रियान्वित करें एवं फल झुलसा रोग का प्रत्यक्षण किसानों के लिए किया जाये।	इस वित्तीय वर्ष में लीची उत्पादन माह में NRC लीची के वैज्ञानिक के साथ मिलकर जिले के कृषकों के लीची के बागों का जीर्णोद्वार कराया जायेगा तथा लीची फल के झुलसा रोग का प्रत्यक्षण आयोजित की जायेगी।	
			बिहार सरकार एवं भारत सरकार के द्वारा चलायी जा रही योजनाओं का लाभ कृषि विज्ञान केन्द्र भी उठाने का प्रयास करें।	केन्द्र, बिहार सरकार एवं भारत सरकार द्वारा चलाई जा रही विभिन्न योजनाओं का लाभ उठा रहा है यथा CRA, Natural Farming, NHM, NFDB मत्स्य प्रत्यक्षण योजना, किसान मेला (आत्मा प्रायोजित), कृषक गोष्ठी–सह–समागम (HIL, Delhi) अनुसूचित जाति एवं जनजाति योजना आदि। अन्य योजनाओं के क्रियान्वयन के लिए भी प्रयास किये जा रहे हैं।	

**Salient recommendations of SAC in bullet points*

वैज्ञानिक सलाहकार समिति की 20वीं बैठक की कार्यवाही

कृषि विज्ञान केन्द्र, सरैया, मुजफ्फरपुर की 20वीं वैज्ञानिक सलाहकार समिति की बैठक दिनांक 28.07.2023 को कृषि विज्ञान केन्द्र, के सभागार में आयोजित की गई। इसकी अध्यक्षता डॉ0 पी0 एस0 पाण्डेय, माननीय कुलपति, डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पूसा ने किया। बैठक में निम्नलिखित सदस्य उपस्थित थे।

1.	डॉ0 पी0 एस0 पाण्डेय	कुलपति, प्रसार शिक्षा, डॉ0 रा0 प्र0 के0 वि0 , पूसा – अध्यक्ष
2.	डॉ0 एम0 एस0 कुण्डु	निदेशक प्रसार शिक्षा, डॉ0 रा0 प्र0 के0 वि0 , पूसा – सदस्य
3.	डॉ0 विनोद कुमार	प्रधान वैज्ञानिक, एन0 आर0 सी0 लीची – सदस्य
4.	पदम्श्री राज कुमारी देवी (किसान चाची)	प्रगतिशील महिला कृषक, सरैया, मुजफ्फरपुर, सदस्य
5.	श्री राजन बालन	जिला कृषि अधिकारी, मुजफ्फरपुर– सदस्य
6.	डॉ0 नूतन	जिला मत्स्य अधिकारी, मुजफ्फरपुर – सदस्य
7.	डॉ0 तारिक असलम	सहायक निदेशक उद्यान – सदस्य
8.	जूही प्रवासिनी	जिला विकास प्रबंधक, मुजफ्फरपुर– सदस्य
9.	डॉ0 नितेश कुमार सिंहा	जिला पशुपालन पदाधिकारी, मुजफ्फरपुर के प्रतिनिधि – सदस्य
10.	श्री अभिषेक रंजन	प्रगतिशील किसान मुजफ्फरपुर, सदस्य
11.	श्री संतोष कु0 चौधरी	प्रगतिशील किसान मुजफ्फरपुर, सदस्य
12.	श्रीमती रश्मि कुमारी	प्रगतिशील किसान मुजफ्फरपुर, सदस्य
13.	श्रीमती सुनैना देवी	प्रगतिशील किसान मुजफ्फरपुर, सदस्य
14.	डॉ0 जितेन्द्र प्रसाद	वरीय वैज्ञानिक एवं प्रधान, कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर
15.	श्री पंकज कुमार	विषय वस्तु विशेषज्ञ (मत्स्य विज्ञान) कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर
16.	डॉ0 तरूण कुमार	विषय वस्तु विशेषज्ञ (कृषि अभियंत्रण) कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर
17.	डॉ0 रजनीश सिंह	विषय वस्तु विशेषज्ञ (फसल उत्पादन) कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर
18.	श्रीमती सविता कुमारी	विषय वस्तु विशेषज्ञ (गृह विज्ञान) कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर
19.	श्रीमती स्नेहा शिखा	विषय वस्तु विशेषज्ञ (पौधा संरक्षण) कृषि विज्ञान केन्द्र,सरैया, मुजफ्फरपुर

सर्वप्रथम डॉ0 जितेन्द्र प्रसाद, वरीय वैज्ञानिक एवं प्रधान , कृषि विज्ञान केन्द्र, सरैया, मुजफ्फरपुर ने माननीय अध्यक्ष डॉ0 पी0 एस0 पाण्डेय, कुलपति, डॉ0 रा0 प्र0 के0 कृ0 वि0, डॉ0 एम0 एस0 कुण्डु, निदेशक प्रसार शिक्षा डॉ0 रा0 प्र0 के0 कृ0 वि0 पूसा एवं सम्मानित सभी सदस्यों का स्वागत किया।

वरीय वैज्ञानिक एवं प्रधान द्वारा 19वीं वैज्ञानिक सलाहकार समिति का अनुपालन प्रतिवेदन अवलोकन एवं वित्तीय वर्ष 2023–24 के निम्नलिखित कार्यावली (Agenda) पर चर्चा की गयी:–

1. 19वीं वैज्ञानिक सलाहकार समिति की अनुसंशा का अनुपालन प्रतिवेदन का अवलोकन। ।
2. दिनांक 26/11/2021 से 28/07/2023 तक का प्रगति प्रतिवेदन का अवलोकन।
3. अगले वित्तीय वर्ष 2023–24 का प्रस्तावित कार्य योजना की स्वीकृति।
4. कृषि विज्ञान केन्द्र के प्रशासनिक एवं किसान घर एवं गोदाम के फर्शों का मरम्मतीकरण की स्वीकृति।
5. भूमिगत सिंचाई प्रबंधन की व्यवस्था की स्वीकृति।
6. अन्यान्य की स्वीकृति अध्यक्ष महोदय की अनुमति से।

वरीय वैज्ञानिक एवं प्रधान द्वारा उपरोक्त एजेंडों पर विस्तारपूर्वक प्रतिवेदन प्रस्तुतीकरण के माध्यम से दिया गया। जिसका अवलोकन अध्यक्ष माननीय कुलपति महोदय एवं सभी सम्मानित सदस्यों के द्वारा किया गया जिसमें निम्नलिखित सुझाव अनुसार निर्णय लिया गया:–

1. कृषि से संबंधित स्थानीय प्रमुख समस्याओं के आधार पर प्रशिक्षण कार्यक्रम आयोजित किए जाएं एवं अधिक से अधिक किसान लाभान्वित हो सके।
2. लीची उत्पादों से संबंधित प्रशिक्षण एन0 आर0 सी0 लीची. मुशहरी, मुजफ्फरपुर के साथ मिलकर आयोजित किये जाएं साथ ही बिक्री संबंधी समस्या एवं अन्य समस्याओं के समाधान का प्रयास किया जाय।
3. केन्द्र द्वारा आयोजित प्रशिक्षणों के प्रभाव को किसानों के सफलता की कहानी के रूप में आंकड़ों सहित अनुपालन प्रतिवेदन में समाहित किया जाय।
4. मृदा परीक्षण हेतु चलंत मृदा परीक्षण प्रयोगशाला वाहन का प्रयोग किया जाय।

5. किसानों का समूह बनाकर किसानों के प्रक्षेत्र में बीज उत्पादन कराने का प्रयास किया जाय।
6. सभी कार्यक्रमों/प्रशिक्षणों में छात्रों को कृषि एवं कृषि से संबंधित विश्वविद्यालयों/कॉलेजों में पढ़ाई आदि की जानकारी मुहैया करायी जाये।
7. प्रसार कार्यकर्ताओं से संबंधित प्रशिक्षण विश्वविद्यालय स्तर से कराई जाये।
8. जिले के प्राकृतिक एवं जैविक खेती से संबंधित किसानों की विवरणी तैयार की जाय।
9. सभी वैज्ञानिक अपने–अपने विषय से संबंधित आंकड़े सभी प्रखण्डों के विभागीय स्तर से प्राप्त कर संग्रहित करें।
10. गृह वैज्ञानिक, जिले के हर्बल गुलाल बनाने वाली 40 महिला किसान का आंकड़ा एकत्रित कर प्रस्तुत करें।
11. पौधा संरक्षण वैज्ञानिक, एन0आर0सी0 लीची के वैज्ञानिकों के साथ मिलकर जिले के लिए लीची उत्पादन संबंधी आगामी रणनीति तैयार करें।
12. रिपोर्ट प्रस्तुतीकरण के दौरान तकनीक के स्त्रोत का उल्लेख अवश्य करें।
13. केन्द्र पर उपलब्ध बीज, पौधा, जैविक खाद आदि के स्त्रोत को प्रदर्शित किया जाय।
14. टी0वी0/रेडियो पर परिचर्चा से संबंधित वीडियो विश्वविद्यालय के वेबसाइट पर अपलोड किया जाय।
15. विश्वविद्यालय से संपर्क कर केन्द्र पर लीची, आम आदि पौधे किसानों के लिए उपलब्ध कराये जाये।

16. वैज्ञानिक सलाहकार समिति की अगली बैठक अप्रैल माह तक संपन्न किया जाये।
17. अगले वित्तीय वर्ष में चक्रिय खाता का लक्ष्य 25 लाख रुपये निर्धारित किया जाये।
18. बिहार के चौथे कृषि रोड मैप के आधार पर प्रशिक्षण आयोजित किये जाये।
19. किसानों के हित में केन्द्र पर किसान मेले का आयोजन किया जाये जिसमें लाइन डिपार्टमेंट, बैंक, नाबार्ड आदि को आमंत्रित किया जाय एवं योजना का विशेष रूप प्रदर्शित किया जाए।

20. मत्स्य कृषकों के लिए मत्स्य बीज की उपलब्धता मत्स्यिकी महाविद्यालय, ढोली से संपर्क कर सुनिश्चित की जाय।
21. केन्द्र पर आये कृषकों की समस्या को सुने एवं उनका समाधान यथाशीघ्र करने का प्रयास करें।
22. रिपोर्ट प्रस्तुतीकरण ग्राफ के माध्यम से हो एवं कम से कम स्लाइड में पूरा करने का प्रयास करें।
23. अगले बैठक का एजेंडा सभी सम्मानित सदस्यों को बैठक की तिथि से पहले उपलब्ध करा दी जाय।
24. केन्द्र के कार्यक्षेत्र में कृषि से संबंधित समस्याओं की पहचान करें एवं प्राथमिकता के आधार पर समाधान करने का प्रयास करें।
25. सभी वैज्ञानिक अग्रिम पंक्ति प्रत्यक्षण क्षेत्र का व्यक्तिगत रूप से नियमित भ्रमण करें।
26. सहायक उद्यान पदाधिकारी द्वारा सुझाव दिया गया कि OFT and FLD के लाभुक किसानों को उद्यान विभाग की योजनाओं से जोड़ा जाये।
27. प्रधान वैज्ञानिक, एन0 आर0 सी0 लीची द्वारा सुझाव दिया गया कि किसानों के लीची के बागों का जीर्णोंधार कृषि विज्ञान केन्द्र एवं एन0 आर0 सी0 के वैज्ञानिक साथ मिलकर क्रियान्वित करें एवं फल झुलसा रोग का प्रत्यक्षण किसानों के लिए किया जाये।
28. रिपोर्ट एवं प्रस्तुतीकरण में वित्त पोषण संस्था को श्रेय देते हुए आभारोक्ति प्रदर्शित करें।
29. बिहार सरकार एवं भारत सरकार के द्वारा चलायी जा रही योजनाओं का लाभ कृषि विज्ञान केन्द्र भी उठाने का प्रयास करें।

अंत में श्री पंकज कुमार, विषय वस्तु विशेषज्ञ, मत्स्य विज्ञान द्वारा 20वीं वैज्ञानिक सलाहकार समिति के अध्यक्ष, सम्मानित सदस्यों, वैज्ञानिकों, किसानों एवं कर्मचारियों का धन्यवाद ज्ञापन किया तथा माननीय कुलपति एवं निदेशक प्रसार शिक्षा ने समापन संबोधन में वरीय वैज्ञानिक एवं प्रधान, वैज्ञानिकों एवं केन्द्र के सभी तकनीकी विशेषज्ञों को अच्छी तरह से कार्य करने की बधाई दी।

वरीय वैज्ञानिक एवं प्रधान कृषि विज्ञान केन्द्र, सरैया,	निदेशक प्रसार शिक्षा डॉ0 रा0 प्र0 के वि0,पूसा	कुलपति डॉ0 रा0 प्र0 के वि0,पूसा

आज दिनांक 28/07/2023 को कृषि विज्ञान केन्द्र, सरैया, मुजफ्फरपुर परिसर में 20 वीं वैज्ञानिक सलाहकार समिति की बैठक हुई। जिसमें निम्नलिखित वैज्ञानिकों, कर्मचारियों एवं प्रगतिशील किसानों ने भाग लिए।

क्रमांक	नाम	पदनाम	पता	हस्ताक्षर
1.	Dr. P. S. Pandey	Hon'ble Vice-chancellor RPCAU, Pusa	DRPCAU, Pusa	28/7/23
2.	Dr. M. S. Kundu	Director Ext. Education	DRPCAU, Pusa	मधु सूदन कुंडू 28.7.23
3.	Dr. Vinod Kumar	Principal scientist NRC	NRC Litchi Muzaffarpur	विनोद कुमार 28.07.2023
4.	Smt. Raj Kumari Devi	Padmashree Kisan Chachi	Saraiya Muzaffarpur	राज कुमारी देवी किसान चाची पद्मश्री सम्मानित 9801434932
5.	Sri Rajan Bala	DAO	Muzaffarpur	28.7.23
6.	Dr. Nutan	District fisheries officer Muz	Muzaffarpur	28/07/2023
7	Dr. Jitendra	Senior Scientist	KVK Saraiya	
8	Dr. Rajneesh Singh	Project SMS Crop Production	KVK Saraiya	28/07/2023
9	Dr. Tarun Kumar	SMS (Agri. Engg.)	KVK, Saraiya	

10. पंकज कुमार SMS, Fisheries. KVK Saraiya.

क्रमांक	नाम	पदनाम	पता	हस्ताक्षर
11	डा० तारिक अख्तर	सहायक निदेशक	मुजफ्फरपुर	28.7.23
12.	जूही प्रवासिनी	जिला विकास प्रबंधक	मुजफ्फरपुर	28.07.23
13.	Dr. Nitesh Ko Sinha	T.V.O. Saraiya (For DAHO Muzaffarpur)	Saraiya	28/7/23
14.	अभिषेक ईशन	नामित सदस्य	Saraiya	Abhishek Raj
15	संतोष कुमार चौधरी	नामित सदस्य	Supna. Saraiya	
16.	रंजीत कुमार	सक्रिय किसान	सरैया	Ranjit
17	रश्मि कुमारी	सदस्य वैज्ञानिक सलाहकार	सरैया	रश्मि कुमारी
18	सुनैना देवी	सदस्य विज्ञानिक सलाहकार	सरैया	सुनैना देवी
19	शिवशंकर कुमार	NRLBC (Driver)	मुजफ्फरपुर	Shivshankar
20	सैयद कुमार	NABARD (Driver)	मुजफ्फरपुर	
21	मो. नाज	चालक	मुजफ्फरपुर	
22	अशोक कुमार	चालक (DAO office)	मुजफ्फरपुर	अशोक कुमार
23	राजीव पासवान	चालक (Director Office)	RPCAU	राजीव
24	अनुपम आर्द्रा	प्रेरणा प्रबंधक	KVK Saraiya RPCAU Pusa	Anupam
25	कुमारी प्रतिभा	सहायक	सरैया K.V.K Saraiya	Pratibha
26	सुमन कुमार	प्रशासनिक	K. V. K. Saraiya	
27.	कोजोल कुमारी	SRF (CRA)	KVK Saraiya	Kajal Kumari
28.	सविता कुमारी	वि० व० वि० (गृहविज्ञान)	KVK Saraiya	सविता कुमारी
30	स्नेहा शिरवा	पौधा संरक्षण	K.V.K Saraiya	-

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI
10/01/2024	Online	Financial review meeting of KVKs	Director, ATARI
29/01/2024	Online	Financial review meeting	Director, ATARI
09-10/02/2024	Off line	Financial review meeting	Director, ATARI
20/02/2024	Online	Financial Review Meeting	Director, ATARI
27/02/2024	Online	Review meeting of budget utilization	Director, ATARI
11/03/2024	Online	Financial review meeting invitation	Director, ATARI
27/03/2024	Online	Financial review meeting invitation	Director, ATARI
12/04/2024	Online	Meeting on Ecoregional programme	ADG, ICAR
15/04/2024	Online	Review meeting	Director, ATARI
16/04/2024	Online	**Meeting on Viksit Bharat**	ICAR, DARE
19/04/2024	Online	Review meeting	Director, ATARI
22/04/2024	Online	Review meeting	Director, ATARI
30/04/2024	Online	Review meeting of KVKs	Director, ATARI
01/05/2024	Online	Viksit Bharat meeting (Horticulture Crops)	Director, ATARI
03/05/2024	Online	Review meeting of KVKs	Director, ATARI
09/05/2024	Online	Review meeting of KVKs	Director, ICAR, DRMR
15/05/2024	Off line	Interaction meeting with Hon'ble DDG	DDG
30/05/2024	Off line	Convergence platform meeting of CSISA Project in hybrid mode	Director ATARI
30/05/2024	Online	Viksit Bharat Meeting (Fisheries Science)	ADG, ICAR
07/06/2024	Online	Review meeting of KVKs	Director, ATARI
15/06/2024	Online	Review meeting of KVKs	Director, ATARI
20/06/2024	Online	2nd round of Review Meeting of ICAR Institutes	ADG, ICAR
02/07/2024	Online	100 days action plan	Director, ATARI
03/07/2024	Online	Review meeting of 100 days action plan	Director, ATARI
04/07/2024	Online	Review meeting of 100 days action plan-continue	Director, ATARI
11/07/2024	Online	Review of achievement 100 days action plan of KVKs	Director, ATARI
26/07/2024	Online	Regarding Mapping of Saving Accounts of KVKs under code Krishonnati Yojana-4138code	Director, ATARI
30/07/2024	Online	Review meeting of KVKs	Director, ATARI
07/08/2024	Online	**Fund flow of CFLD Oilseed & Pulses**	Director, ATARI
14/08/2024	Online	**100 days action plan**	Director, ATARI
20/08/2024	Online	100days action plan review meeting	Director, ATARI
29/08/2024	Online	Annual Zonal Workshop of ATARI, Zone-IV	Director, ATARI
10/09/2024	Online	Review meeting of KVKs	Director, ATARI
12/09/2024	Online	meeting of CFLD Pulses & Oilseed reporting	Director, ATARI
13/09/2024	Online	Swachhata Hi Sewa	Director, ATARI
17/09/2024	Online	**Swachhata Pledge**	ADG, ICAR
18/09/2024	Online	RY meeting	Director, ATARI

20/09/2024	Online	To attend the Centenary celebration of ICAR-NISA, Ranchi	Director, ATARI
22/09/2024	Online	Financial Management of CFLD	Director, ATARI
24/09/2024	Online	Review meeting of KVKs	Director, ATARI
06/11/2024	Online	Urgent Meeting	Director, ATARI
11/11/2024	Off line	**Convergence platform meeting of CSISA Project**	Director, ATARI
13/12/2024	Online	Review meeting of KVKs	Director, ATARI
17/12/2024	Online	Review meeting on financial issue & progress of CFLD programme	Director, ATARI

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

Type of attachment	No of student trained	No of days stayed
Nil		

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
Rabi	7	3	1	8	Performance of timely sown (TSWVs) and late sown wheat varieties (LSWVs) under different sowing schedules across ecologies Cultivar HD 2967	8	Wheat											
								21st to 30th Nov	HD-2967	145	22.11.2023	8.04.2024	140	54.88	34125	116620	82495	2.42
								1st to 15th Dec	HD-2967	145	03.12.2023	17.04.2024	140	40.92	34125	86948.08467	52823.08	1.55
								16th to 31st Dec	HD-2967	145	17.12.2023	18.04.2024	140	35.33	34125	75075.32325	40950.32	1.20
								21st to 30th Nov	DBW-187	120	25.11.2023	10.04.2024	120	51.46	34125	109352.5	75227.5	2.20
								1st to 15th Dec	DBW-187	120	05.12.2023	11.04.2024	120	43.92	34125	93323.08467	59198.08	1.73
								16th to 31st Dec	DBW-187	120	18.12.2023	13.04.2024	120	38.56	34125	81948.245	47823.25	1.40

Rabi	7	3	1	8	Assessing the effect of irrigation intensification on productivity of early and late planted wheat under conventional (CT-Broadcast and CT-Line Sowing) and zero tillage (ZT)	8	Wheat											
								Early sown fields (before Nov 7- 20th)										
								CT (Broadcasting and Line Sowing) with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	HD-2967	145	11.11.2023	2024.04.08	140	39.89	41790	84766.25	42976.25	1.03
								CT (Broadcasting and Line Sowing) with 4 irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)	HD-2967	145	13.11.2023	2024.04.12	140	42.58	42840	90482.5	47642.5	1.11
								ZT with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	HD-2967	145	15.11.2023	2024.04.06	140	52.47	34440	111495.774	77055.77	2.24
								ZT with 4 irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)	HD-2967	145	17.11.2023	2024.04.13	140	57.75	35175	122709.394	87534.39	2.49
								Late sown fields (Dec 16th to 25st)							0			

								CT (Broadcasting and Line Sowing) with 2 irrigations (21 DAS, 65 DAS)	HD-2967	145	17.11.2023	2024.04.15	140	37.89	39900	80516.25	40616.25	1.02
								CT (Broadcasting and Line Sowing) with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	HD-2967	145	18.11.2023	2024.04.16	140	39.75	41580	84468.75	42888.75	1.03
								ZT with 2 irrigations (21 DAS, 65 DAS)	HD-2967	145	20.11.2023	2024.04.10	140	38.33	33075	81450.32325	48375.32	1.46
								ZT with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	HD-2967	145	21.11.2023	2024.04.14	140	42.48	33810	90270	56460	1.67
Rabi	7	3	1	4	Rice-Wheat system optimization through crop establishment with DSR	4	Wheat	Rice-Wheat system optimization through crop establishment with DSR										
								Vattar (dust mulch) DSR followed by zero tillage wheat under BMP practice	HD-2967	145	12.11.2023	2024.04.13	140	54.57	35175.00	115967.2	80792.2	2.30
								Puddled transplanted rice followed by zero tillage	HD-2967	145	17.11.2023	2024.04.15	140	41.64	33075.00	88482.45	55407.45	1.68

								wheat under BMP practice										
								Puddled transplanted rice followed by conventional tillage wheat DOS/ DOT as per farmer practice	HD-2967	145	19.11.2023	2024.04.12	140	38.27	34125.00	81323.75	47198.75	1.38
CSISA-2024-25																		
					Performance of timely sown (TSWVs) and late sown wheat varieties (LSWVs) under different sowing schedules across ecologies Cultivar HD 2967		Result awaited											
					Assessing the effect of irrigation intensification on productivity of early and late planted wheat under conventional (CT-Broadcast and CT-Line Sowing) and zero tillage (ZT)		Result awaited											

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries

4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)		

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

c. Achievements of physical outcome under TSP during 2024

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

d. Location and Beneficiary Details during 2024

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

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	2	65
b.	Women	1	55
c.	Rural Youths	0	0
d.	Extension Personnel	0	0
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries
		2	95
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		8	200
5)	Other activities		

a.	Participants in extension activities (No.)	240
b.	Production of seed (q)	0
c.	Production of Planting material (No. in lakh)	0
d.	Production of Livestock strains (No. in lakh)	0
e.	Production of fingerlings (No. in lakh)	0
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	20

11.4. NICRA (Technology Demonstration component)

Nil

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

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

Nil

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Nil

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		**Bihar**	
Name of KVK		**KVK Saraiya, Muzaffarpur**	
Agro Climatic Zone of Village/KVK		**Zone 1**	
Farming Situation of the Selected Farmer/KVK		**Latitude (N)**	**Longitude (E)**
		26° 1' 55.4232'' N	**85° 8' 38.1768'' E**

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**
KVK Saraiya, Muzaffarpur	Training	9	533	104	188	58	0	0	328	51	119	37	0	0	205
	Awareness	2	29	21	21	10	0	0	29	0	0	0	0	0	0
	Demonstration	12	12	2	9	0	1	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)						GT	Remarks/ Observation/Feedback Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total		
Natural farming	09.01.2024	KVK, Saraiya	6	12	2			20	6	13	3			22	42	
Natural farming	11.01.2024	KVK, Saraiya	7	25	4			37	2	5	1			8	44	
Natural farming	16.01.2024	KVK, Saraiya	6	10	2			18	4	17	5			26	44	
Natural farming	18.01.2024	KVK, Saraiya	5	12	3			20	6	10	5			21	41	

Natural farming	23.01.2024	KVK, Saraiya	7	10	5			22	6	10	3			19	41	
Natural farming	01.02.2024	KVK, Saraiya	5	9	2			16	6	14	4			24	40	
Natural farming	06.02.2024	KVK, Saraiya	8	19	5			32	5	9	4			18	50	
Natural farming	30.03.2024	KVK, Saraiya	9	13	4			26	6	7	4			15	41	
Natural farming	31.03.2024	KVK, Saraiya	10	21	9			40	10	28	8			46	86	
Natural farming	08.08.2024	KVK, Saraiya	10	18	6			34		3				3	37	
Natural farming	09.08.2024	KVK, Saraiya	10	18	6			34		3				3	37	
Natural farming	22.08.2024	Madhopur Hajari ,Sahebganj	12	09	8			29							29	
Natural farming	24.08.2024	Madhopur Hajari, Sahebganj	09	12	2										23	

Awareness programme information

Tittle of Natural Farming Awareness programme	**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**	
Natural farming	22.08.2024	Madhopur Hajari ,Sahebganj	12	09	8	0	0	29	0	0	0	0	0	0	29	
Natural farming	24.08.2024	Madhopur Hajari, Sahebganj	09	12	2	0	0	21	0	0	0	0	0	0	23	

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 Saraiya	3	12	533	20	12	8	

Demonstration Information

1. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Ganesh Kushwaha, Mob-7255982941	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 Amaitha, Saraiya	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.115159	85.178331

2. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Raj kishor Singh, Mob-6207655784	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 / Kamlpura, Saraiya	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.882341	85.412926

3. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Abhishek Ranjan Mob-8210899601	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Pokhraira	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.062946	85.196134
4. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Sanjay Singh, Mob-9931498503	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Bahilwara, Saraiya	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.029487	85.229736
5. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Shashi Bushan Singh, Mob-9546832300	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Vishunpur saraiya	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.166503	85.008972
6. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Gaurishankar, Mob-7044185116	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Bangara Muza	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)

		26.115159	85.178331
7. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Satendra kumar, Mob-8051615258	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Pokhraira	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.062423	85.192582
8. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Dilip Chaudhary, Mob-6307959734	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Supna	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.037028	85.285862
9. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Mukesh Kumar, Mob-8051615258	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Pakari ,Kanti	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.212521	85.328305
10. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Lagan dev, Mob-9934926576	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Baghi, Madwan	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)

		26.125739	85.259313
11. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Akhilesh Ray, Mob-9546277660	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 /Dawarikanathpur, Madwan	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.070473	85.235180
12. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Saraiya	
Address of Farmer with contact detail		Ramdayal Singh, Mob-9955886681	
Agro Climatic Zone of KVK/Village of farmer		Zone -1 / Sain, kanti	
Cropping patter of KVK plot/ Farmer plot		Rice-wheat	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		26.201337	85.295172

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**
Crop Sowing	Paddy	R.rajshree	Kharif	Bijamrit, Ghanjivamrit, jivamrit and Nimastra	4	Chemical fertilizer and Pesticide	Plant height (cm)	98 cm	93cm
							Other relevant parameter		
							Yield (q/ha)	41.5	34.5

							Cost of cultivation (Rs/ha)	43600	31000
							Gross Return (Rs/ha)	95450	79350
							Net Return (Rs/ha)	51850.00	48350.00
							B:C Ratio	1.189	1.560
							Soil PH	8.26	8.14
							Soil OC (%)	0.25	0.30
							Soil EC (dS/m)	0.17	0.36
							Available N (Kg/ha)	324	302
							Available P (Kg/ha)	37.66	31.22
							Available K (Kg/ha)	167	135
							Soil Microbes (cfu)	-	-
							Any other, specify	-	-
Feedback of farmer									

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

								Farming					
	Muzaffarpur	Lagan dev Ray	Baghi 9934926576	3	0.4	Paddy	6	0.4	Paddy R.Sweta	Bijamrit, Ghanjivamrit, jivamrit and Nimastra	Plant height (cm)	95 cm	90cm
											Other relevant parameter		
											Yield (q/ha)	41.5	34.5
											Cost of cultivation (Rs/ha)	43600	31000
											Gross Return (Rs/ha)	95450	79350
											Net Return (Rs/ha)	51850.00	48350.00
											B:C Ratio	1.18	1.56
											Soil PH	8.26	7.87
											Soil OC (%)	0.25	0.33
											Soil EC (dS/m)	0.17	0.36
											Available N (Kg/ha)	124	129
											Available P (Kg/ha)	37.66	34.22

											Availabl e K (Kg/ha)	167	139
											Soil Microbes (cfu)		
											Any other, specify		
Feedback of farmer:													

Soil Parameter for Demo plot at KVK Farm

Seas on	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/h a)	P (Kg/ ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/ m)	OC (%)	N (Kg/ ha)	P (Kg/h a)	K (Kg/ ha)	Soil Microb es (cfu)
Khar if	Paddy	8.14	0.36	0.30	302	31.2 2	135		8.11	0.39	0.32	132	31.31	137	
Rabi	Wheat	Result Awaited													
Rabi	Mustard	Result Awaited													

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	Paddy	8.17	0.36	0.30	302	31.22	135		8.13	0.36	0.31	137	31.25	137	

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)
Kharif	Paddy	8.28	0.19	0.35	218	49.62	167		8.25	0.19	0.37	236	49.96	169	

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)
kharif	Paddy	8.37	0.19	0.59	118	24.56	110		8.33	0.12	0.60	119	24.57	125	

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	10	400000.00	417693.00	417693.00
Awareness Programme	2	164404		
Demonstration	12	48000.00		
Miscellaneous		86317.00		
Total	**24**	**698721.00**	417693.00	417693.00

Glimpses of various Activities (Good Quality Action Photographs)			
Name of activity	1	2	3
Training programmes			
Awareness programmes			
Demonstrations (KVK/Farmer filed)			

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					
CT	TP Rice-CT Wheat-Fallow	Rice	Wheat		**15**	**25**	**0**	**20**	**5**	**25**	**4**	**0**	**9**	**13**	**36.25**	**39.94**	**0**	**76.19**	**94137**	**72.19**	**1**	**50**
ZT	DSR Rice-ZT Wheat-ZT Green Gram	Rice	Wheat	Green Gram	**90**	**98**	**20**	**66**	**32**	**98**	**14**	**0**	**35**	**49**	**55.67**	**55.68**	**12.44**	**123.79**	**249673**	**80.38**	**1**	**50**
ZT	LPTR Rice-ZT Wheat-ZT Green Gram	Rice	Wheat	Green Gram	**20**	**112**	**10**	**52**	**4**	**56**	**8**	**0**	**20**	**28**	**56.52**	**52.96**	**12.23**	**121.71**	**243968**	**84.03**	**1**	**50**
ZT	Rice – Potato-Green Gram	Rice	Potato	Green Gram	**40**	**2**	**15**	**16**	**12**	**28**	**4**	**0**	**10**	**14**	**53.74**	**223.35**	**12.15**	**289.24**	**494849**	**220.25**	**1**	**50**
ZT	DSR Rice-RBP Maize-ZT Green Gram	Rice	Maize	Green Gram	**50**	**42**	**15**	**19**	**7**	**26**	**4**	**0**	**9**	**13**	**54.65**	**70.41**	**12.95**	**138.01**	**276327**	**106.01**	-	-
ZT	DSR Rice-ZT Mustard- ZT Green Gram	Rice	Mustard	Green Gram	**50**	**20**	**15**	**21**	**2**	**23**	**3**	**0**	**8**	**12**	**58.65**	**16.43**	**12.45**	**87.53**	**236833**	**59.74**		
ZT	DSR Rice-ZT Lentil - ZT	Rice	Lentil	Green Gram	**50**	**20**	**15**	**25**	**3**	**28**	**4**	**0**	**10**	**14**	**57.65**	**12.98**	**11.36**	**81.99**	**213568**	**55.5**		

	Green Gram																				
LS	Rice-Potato + Maize - Green Gram	Rice	Potato + Maize	Green Gram	**42**	**18**	**15**	**27**	**4**	**31**	**4**	**0**	**11**	**16**	**49.57**	**279.45**	**11.65**	**340.67**	**604299**	**292.42**		
RB	LS Maize-ZT Mustard- ZT Green Gram	Maize	Mustard	Green Gram		**10**	**15**	**24**	**6**	**30**	**4**	**0**	**11**	**15**	**62.35**	**15.89**	**12.27**	**90.51**	**231047**	**80.51**		
LS	LS Maize-ZT Lentil-ZT Green Gram	Maize	Lentil	Green Gram		**10**	**15**	**32**	**4**	**36**	**5**	**0**	**13**	**18**	**64.65**	**13.98**	**12.42**	**91.05**	**235180**	**79.75**		
RB & LS	Pigeon pea-ZT Green Gram	Pigeon pea		Green Gram		**0**	**15**	**10**	**1**	**11**	**2**	**0**	**4**	**6**	**15.27**	**0**	**12.75**	**28.02**	**158655**	**19.59**		

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
1	**16**	**32**	**0**	**12**	**32**	**3**

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 INFROMATION

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	0.4	Fish		6000	15	8

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	Training				1	1	500	25

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
2-8 Oct	1	7	2		9
9-15 Oct	1	5		2	7
16 - 22 Oct	1	8	2		10
23 - 31 Oct	1	9	3		12

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
16.12.2022	1	8		4	12
17.12.2022	1	8		4	12
18.12.2022	1	7		0	7
19.12.2022	1	7		0	7
20.12.2022	1	8		2	10
21.12.2022	1	4		0	4
23.12.2022	1	7		100	107
24.12.2022	1	7		7	14
25.12.2022	1	5		0	5
27.12.2022	1	7		3	10
28.12.2022	1	8		2	10

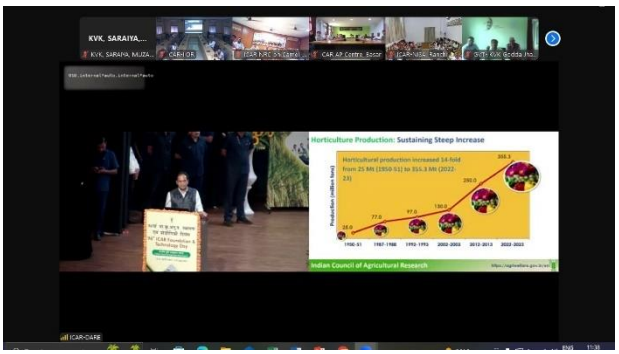
c. Details of total budget expenditure on Swachh activities including SAP

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	Display of banner at prominent places, taking Swachhata pledge, plantation of trees, Cleanliness and sanitation drive in the villages adopted,	

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

17th PM Kisan Samman Nidhi Yojana 18 June 2024

21 June 2024 Yoga Day



96 ICAR Foundation Day 16 July 2024

CRA Officials Visit 25 Sep 2024

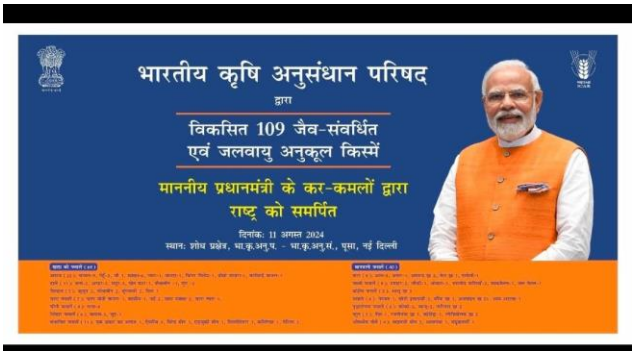
Goat Farming & Seed Production10 Sep 2024

INM Samekit Krishi 6 - 20 AUG 2024

INM Samekit Krishi 6 - 20 AUG 2024

NCFF AWARENESS PROGRAMME 25 Apr 2024

Swacchhata Abhiyan 2024



17th PM Kisan Samman Nidhi Yojana 18 June 2024

SC SP Litchi distribution 13 Sep 2024

Swachhta hi sewa 17 Sep 2024

Exposure Visit 14 Aug 2024

Line sowing under CRA 27 Aug 2024

Sonpur Mela 20 Nov 2024

Gyan Vahan

Exposure Visit

Agriculture Skill Council of India (ASCI)