



Annual Report 2024



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

**Krishi Vigyan Kendra, Hariharpur,
Vaishali - 844102(Bihar) India**

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**Krishi Vigyan Kendra, Hariharpur,
Vaishali - 844102(Bihar) India**

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, Hariharpur, Vaishali via Rajauli, Vaishali- 844102	6287797172	-	head.kvk.vaishali@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- 848125	6287797109	-	dee@rpcau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Anil Kumar Singh	KVK,Hajipur	6287797172	head.kvk.vaishali@rpcau.ac.in

1.4. Year of sanction of KVK with council order No. and date: 1997, 4-17/AE Dated 27.03.97

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. Anil Kumar Singh	Senior Scientist & Head	Horticulture	9000/-, 117100/-	29.03.2001	Permanent	Other
2.	Subject Matter Specialist	Mr. Prem Prakash Gautam	Subject- Matter Specialist	Plant Protection	5400/-, 63300/-	07.03.2019	Permanent	SC
3.	Subject Matter Specialist	Er. Kumari Namrata	Subject- Matter Specialist	Agriculture Engineering	5400/-, 59500/-	05.03.2022	Probation	Other
4.	Subject Matter Specialist	Dr. Kavita Verma	Subject- Matter Specialist	Home Science	5400/-, 59500	07.03.2022	Probation	OBC
5.	Subject Matter Specialist	Dr. Jonah Dakho	Subject- Matter Specialist	Horticulture	5400/-59500/-	24.03.2022	Probation	ST
6.	Subject Matter Specialist	-	-	-	-	-	-	-
7.	Subject Matter Specialist	-	-	-	-	-	-	-
8.	Programme Assistant	-	-	-	-		-	-
9.	Computer Programmer	Mrs. Ishita Singh	Programme Assistant(Computer)	Computer Science	4200/-, 43600/-	05.12.2017	Permanent	Other
10.	Farm Manager	-	-	-	-		-	-
11.	Accountant / Superintendent	Ms. Richa Srivastava	Assistant	M.Sc.	4200/-, 43600/-	23.10.2017	Permanent	Other
12.	Stenographer	Mr. Ravi Kumar	Stenographer – III	B.Sc.	2400/-, 30500/-	23.02.2018	Permanent	Other
13.	Driver	Mr. Sonu Kumar	Jeep Driver	Inter	2000/-, 24500/-	27.02.2021	Permanent	Other
14.	Driver	Vacant	Tractor Driver	-	-	-	-	-
15.	Supporting staff	Mr. Ramakant	Skilled supporting staff	B.A	1800/-, 20300/-	04.03.2021	Permanent	Other
16.	Supporting staff	Mr. Ravi Ranjan	Skilled supporting staff	Intermediate	1800/-, 20300/-	13.04.2022	Permanent	Other

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	0.14	Administrative Building, Goraul Farm & Hariharpur Farm
2.	Under Demonstration Units	0.5	Vermicompost Unit, Poly House, IFS Unit, Seed Hub, Mushroom Unit, Green Shade Net ,Azzola Unit & Threshing Floor
3.	Under Crops	3.44	Demonstration unit area also included
4.	Orchard	4.52	Mango trees & Banana Plant
5.	Agro-forestry	0	Nil
6.	Others with details	1.44	Road & Pond
	Total	10.04	

*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	550 Sqm	Under use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	300 Sqm	Under use	ICAR
3.	Staff Quarters (6)	-	-	-	-	Completed	380 Sqm	Under Use	ICAR
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	-	Completed	-	-	-
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor					Completed	500 Sqm	Under use	ICAR
8	Farm godown	-	-	-	-	Completed	170 Sqm	Under use	ICAR
9.	Dairy unit	-	-	-	-	Completed	10 Sqm	Under Use	R/F
10.	Poultry unit	-	-	-	-	completed	221Sqm	Under use	ARYA & RF
11.	Goatry unit	-	-	-	-	-	-	-	-
12.	Mushroom Lab	-	-	-	-	Completed	63 Sqm	Under use	ARYA
13.	Mushroom production unit	-	-	-	-	Completed	10.8 Sqm	Under use	ARYA
14.	Shade house	-	-	-	-	Completed	80 Sqm	Under use	ICAR
15.	Soil test Lab	-	-	-	-	Completed	70 Sqm	Under use	ICAR
16	Others, Please Specify								
	Polyhouse	-	-	-	-	Completed	600 Sqm	Under use	ICAR
	Quail Unit	-	-	-	-	Completed	1.62 Sqm	Under use	ARYA
	Azolla Unit (2)	-	-	-	-	Completed	4.32 Sqm	Under use	ICAR
	Vermi compost	-	-	-	-	Completed	45 Sqm	Under use	GOB
	Beekeeping Unit	-	-	-	-	Completed	10 Sqm	Under use	ICAR
	Nutritional Garden	-	-	-	-	Completed	125 Sqm	Under use	SCSP
	Medicinal Garden	-	-	-	-	Completed	1000 Sqm	Under use	ARYA
	Dragon Fruit Unit	-	-	-	-	Completed	35 Sqm	Under use	ARYA
	Nursery	-	-	-	-	Completed	41 Sqm	Under use	ARYA

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

B) Vehicles

<u>Type of vehicle</u>	<u>Year of purchase</u>	Cost (Rs.)	Total km. Run	Present status
Mahindra Marshal (BR31B 1080)	06.05.2003	417598.77	369102(09.09.19)	Condemn on 10.06.2020
Tractor (BR01GA 2896)	2009	4,05,000	2102 Hrs	Not functional
Tractor John Deere (New)(BR31GB 2244)	2019	6,26,743.84	1649.5 Hrs	Functional
Tractor New Holland(BR31GB8210)	24.06.2021	9,96,151.52	700.5 Hrs	Functional
Motorcycle 1 (BR31Q 7048)	29.08.2016	59090	43250	Functional
Motorcycle 2 (BR31Q 7049)	29.08.2016	59090	40693	Functional

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Water distillation	2005	54240	Working	ICAR
Physical Balance	2005	110740	Not working	ICAR
Chemical Balance	2005	8990		
Conductivity meter	2006	10170	Out of order	ICAR
Digital pH meter	2006	10170	Condemned	ICAR
Spectrophoto meter	2006	61020	Condemned	ICAR
Flame Photo meter	2006	47460	Need repair	ICAR
Hot Plate	2006	9040	Working	ICAR
Hot Air oven	2006	15255	Working	ICAR
Shaker	2006	25425	Working	ICAR
Kjheladhl (digital &Distillation System)	2006	27000	Condemned	ICAR
Willey mill Grinder	2006	25425	Condemned	ICAR
Photo Phonies Phil Meteor cover head Projector (twin lamp.)	2003	11172	Condemned	ICAR
Eutech PH miter	2018	24993	Working	ICAR
Laminar Air Flow (1)	2021	71982	Working	ARYA
BOD Incubator (1)	2021	46816	Working	ARYA
Spirt Lamp (2)	2021	1187.2	Working	ARYA
Temperature Meter	2022	33500	Working	ARYA
Egg Incubator	2022	42990	Working	ARYA
Digital Grain Moisture Meter	2022	37524	Working	SCSP
Digital Conductivity Meter	2022	29677	Working	SCSP
Micro Oven	2022	21990	Working	SCSP
Refractor Meter	2022	2583	Working	SCSP
Micro Scope	2022	14900	Working	ARYA
Autoclave Machine	2022	24000	Working	ARYA
Compound Micro Scope	2023	14900	Working	ARYA
Lab Table	2023	24800	Working	ARYA

Commercial Mixture	2023	22499	Working	ARYA
Dental Electronic Weight Machine	2023	2466	Working	ARYA
Endo Gun	2023	33160	Working	ARYA
Fire Extinguishers	2023	13600	Working	ARYA
Solar Dryer	2023	2540	Working	ARYA
Soil Mousier	2023	1750	Working	SCSP
Semi Grander	2023	21899	Working	SCSP
Banana Chip Maker	2023	3500	Working	SCSP
Flour Mill	2022	24990	Working	ARYA
Commercial Mixer(1)	2024	2650	Working	N.F
Digital caliper Vernier(1)	2024	1349	Working	ICAR
Vertical Mild Polythene Sealing Machine	2024	10000	Working	ICAR
Mild Steel Polythene Sealing Machine	2024	20999	Working	ICAR
b. Farm machinery				
Zero tillage machine	2003		Condemned	Received from ARI, Patna
Zero tillage machine	2007	49000	Condemned	Supply by R.A.U., Pusa
Box	2008	3200	Working	
Cultivator	2009	17000	Good	Supply by R.A.U., Pusa
Trailer with old tyre	2009	51923	Working	Supply by R.A.U., Pusa
MB plough	2009	15385	Good	Supply by R.A.U., Pusa
Laveller	2009	7692	Good	Supply by R.A.U., Pusa
Tractor (MF 1035 DIJ)	2009	405000	Condemned	Supply by R.A.U., Pusa
Trolley with storage box	2009	8900	Working	Supply by R.A.U., Pusa
Potato Planter	2010	40000	Working	NHB, Patna
Potato Digger	2010	46500	Working	NHB, Patna
Conoweeder	2010	1450	Condemned	Supply by R.A.U., Pusa
Zero Till Seed cum Fertilizer Drill	2011	-	Working	Supply by R.A.U., Pusa
Disc Harrow 12 disc (Mounted)	2012	-	Working	Supply by R.A.U., Pusa
Self-Propelled Reaper	2012	-	Condemned	
Fruit pruning machine	2012	1960931	Working	NHB, Patna
Power Winnowing	2014	19425	Working	KVK
Shakti man semi champion Rotavator 5.5'	2014	99750	Working	KVK
Grass Trimmer (1)	2021	9762	Working	ARYA
Chain Saw Cutter	2021	18762	Working	ARYA
Paddy Thresher	2022	15500	Working	RF
Battery (Exide) - 2	2022	21000	Working	RF
Chaff Cutter	2023	20000	Working	ARYA
Cabinet Dryer	2022	59964	Working	ARYA
Rapid Air fryer	2023	7743	Working	ARYA
Marvel Paddy Seeder(1)	2024	8495	Working	N.F

Agriculture Manual Plant Seed spreader(1)	2024	8568	Working	ICAR
Soil Moisture Sensor(1)	2024	4805	Working	ICAR
Brush Cutter (1)	2024	16990	Working	SCSP
				CRA
c. AV Aids				
Godrej Prima 15" (38 cm) English type writer with dust cover	2001	11050	Condemned	
Godrej Prima Hindi Type writer	2003	11530	Condemned	
Projector overhead projector voltage stabilizer Laser Printer	2003	11172	Working	
Cylinder-2 regulator	2002	1800	(-do-)	
Generator	2004	40000	(-do-)	
HP Computer System	2004	37765	(-do-) Need upgrading	
Combo Drive	2004	3550	(-do-)	
HP Laser Jet Printer	2004	13699	Condemned	
UPS Lenovo	2004	10160	Condemned	
Xerox Machine with stabilizer	2004	63492	Condemned	
Refrigerator (Central Purchasing D.E.D., R.A.U., Pusa)	2005	-	Need major repairing	
Stabilizer	2005	4400	Condemned	
Laser Pointer	2003	1936	Out of order	
Banana fibre extractor machine	2004	19720	Condemned	
Yasika MF2 No. 3514565	2006	1920	Condemned	
Fax Machine Panasonic Model	2005	8990	Condemned	
Fax Machine	2007	15600	Condemned	
Dim Display System (Hawkins)	2005	13065	Condemned	
Store well Grain	2006	10251	(-do-)	
Digital Camera	2005	18750	Condemned	
HP Psc 1402 Serial No- MY58RCCOWY	2006	4500	Condemned	
LCD Projector with Stand & display Stand	2007	7512332	Working	
Photocopier machine Canon (Model No. IR 2018N)	2008	53040	Condemned	
Fax machine Canon-TKD-29711	2008	15600	Condemned	
Digital Camera (Canon 5x110)	2009	29995	Condemned	
Computer (2)	2022	100399	Working	FPO
HP Laser Printer (1)	2022	24293.45	Working	FPO
Computer Printer	2023	9799.20	Working	FPO
CCTV Camera	2022	23335	Working	ARYA
Colour Computer Printer	2023	16135	Working	SCSP
Samsung Smart Television	2023	17479.8	Working	SCSP
Samsung Television	2023	14982	Working	SCSP
Canon Flat Bed Scanner(1)	2024	4743	Working	RPL
LG TV(1)	2024	49990	Working	RPL
HP Intel Core i5 PC(1)	2024	65398	Working	ICAR
MANTRA Iris Scanner(1)	2024		Working	RPL

UPS	2024	4199	Working	ICAR
Luminous Inverter + Battery (1)	2024	24489	Working	ICAR
Foxbase Biometric Device (1)	2024	24749	Working	FPO
d. others				
Table (2)	2022	32200	Working	FPO
Revolving chair (2)	2022	21680	Working	FPO
Vishala Almirah (2)	2022	24980	Working	FPO
Banana fiber extraction (5)	2022		Working	ARYA
Trunk (2)	2022	11600	-	ARYA
Drill Hole Machine	2022	2650	Working	ARYA
Vacuum Machine	2022	3100	Working	ARYA
AC (1)	2022	33199	Working	ARYA
Metal Racks - 4 pic.	2022	18800	Working	ARYA
Portable & Fordable Stand	2023	1999	Working	ARYA
Almirah	2023	29500	Working	ARYA
Quail Cage	2023	15340	Working	ARYA
Revolving Computer Chair	2023	3000	Working	ARYA
Office Chair	2023	24750	Working	SCSP
Fire Extinguishers	2023	13600	Working	ARYA
Exide 100 l Battery	2024	5367	Working	CRA
Aqua Drinking water Cooler(1)	2024	23500	Working	ICAR
Aluminium Self Supporting ladder(2)	2024	14280	Working	SCSP

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Zero tillage machine	2003		Condemned	Received from ARI, Patna
Zero tillage machine	2007	49000	Condemned	Supply by R.A.U., Pusa
Box	2008	3200	Working	
Cultivator	2009	17000	Good	Supply by R.A.U., Pusa
Trailer with old tyre	2009	51923	Condemned	Supply by R.A.U., Pusa
MB plough	2009	15385	Good	Supply by R.A.U., Pusa
Leveler	2009	7692	Good	Supply by R.A.U., Pusa
Tractor (MF 1035 DIJ)	2009	405000	Good	Supply by R.A.U., Pusa
Trolley with storage box	2009	8900	Condemned	Supply by R.A.U., Pusa
Potato Planter	2010	40000	Working	NHB, Patna
Potato Digger	2010	46500	Working	NHB, Patna
Conoweeder	2010	1450	Condemned	Supply by R.A.U., Pusa

Marker	2010	1550	Damaged	Supply by R.A.U., Pusa
Zero Till Seed cum Fertilizer Drill	2011	-	Good	Supply by R.A.U., Pusa
Disc Harrow 12 disc (Mounted)	2012	-	Good	Supply by R.A.U., Pusa
Self-Propelled Reaper	2012		Condemned	
Fruit pruning machine	2012	1960931	Needs servicing & new blade	NHB, Patna
Power Winnowing	2014	19425	Working	KVK
Shakti man semi champion Rotavator 5.5'	2014	99750	Not in use	KVK
Zero tillage	2020	43120	Working	RPCAU, Pusa
Multi crop Thresher	2020	128800	Working	RPCAU, Pusa
Potato Planter	2020	97500	Working	RPCAU, Pusa
Power Weeder	2020	47600	Working	RPCAU, Pusa
Self-Propelled Reaper cum Binder	2020	520000	Working	RPCAU, Pusa
Happy Seeder	2020	-	Working	BISA, Pusa
Multi Crop Planter (04)	2020	-	Working	BISA, Pusa
Raised Bed Planter (02)	2020	-	Working	BISA, Pusa
Green Seeker	2020	-	Working	BISA, Pusa
Soil Moisture Meter (02)	2020	-	Working	BISA, Pusa
Drum Seeder (02)	2020	-	Working	BISA, Pusa
Laser Land Leveller	2021	-	Working	BISA, Pusa
Raised Bed Planter	2021	-	Working	BISA, Pusa
Mountated Sprayer	2021	-	Working	BISA, Pusa
Zero Tillage	2021	-	Working	BISA, Pusa
Wheat Seeder	2021	-	Working	BISA, Pusa
Tractor Tailor Hydrolic	2021	143400	Working	RPCAU, Pusa
Cultivator	2021	-	Working	RPCAU, Pusa
Tractor Operated Disc Plough	2021	94657	Working	RPCAU, Pusa
Tractor Operated Boom Type Sprayer	2021	-	Working	RPCAU, Pusa
Tractor Operated Reaper cum Binder	2021	342000	Working	RPCAU, Pusa
Rotavator	2021	-	Working	RPCAU, Pusa
Tractor Operated Arrow Blast Sprayer	2021	-	Working	RPCAU, Pusa
Cultivator	2022	-	Working	RPCAU, Pusa
Seed Treatment Dum	2023	4500	Working	SCSP
Music seller Treatment	2023	18500	Working	SCSP
Automatic Temperature meter	2023	2583	Working	SCSP
Supreme Mild Steel Wheel	2023	16000	Working	SCSP
Vegetable Trans planter Manually Operated	2023	4791.6	Working	SCSP
Soil Auger	2023	3246.25	Working	SCSP
Honey Extractor	2023	15000	Working	SCSP
Whole Hoe	2023	14998	Working	SCSP
Lawn Mower (1)	2022	10842	Working	ARYA

Grass Cutter(1)	2024		Working	SCSP
Seed Dibbler(5)	2024		Working	ICAR
Combined Harvester	2024		Working	BISA, PUSA
Straw Baler	2024		Working	RPCAU, PUSA
Ripper Combinder (Tractor Operated)	2024		Working	BISA, PUSA
Potato Digger	2024		Working	BISA, PUSA
Manual Planter	2024		Working	ICAR
Balkar Harvester	2024		Working	CRA

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Integrated Farming System
2.	Nursery(Ornamental/Vegetable) Production
3.	Orchard (Mango, Litchi & Guava)
4.	Plant propagation techniques
5.	Poultry & Quail Farming
6.	Integrated Pest Management in Crop, Fruit and Vegetable
7.	Integrated Disease Management in Crop, Fruit and Vegetable
8.	Mushroom & Mushroom Spawn Production
9.	Scientific Beekeeping
10.	Dairy Farming
11.	Vermi compost Production
12.	Food processing and Preservation
13.	Farm Mechanization
14.	Value Addition
15.	Women and Child care
16.	Nutrition and Health
17.	Nutri garden
18.	Nutrient Management
19.	Organic Farming
20.	Micro Irrigation System
21.	Weed Management
22.	Training & Pruning
23.	Pulse Seed Production
24.	Girdling Technology(Litchi)
25.	Fodder Production(Azolla)

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

Sl. No.	Items	Information
1	Major Farming system of the district	Rice, Wheat Cropping System, Horticulture Fruits-Banana, Vegetables-Cauliflower, Animal Husbandry(Dairy and Goatry), Other- Mushroom and Bee Keeping
2	One district one product (NITI Ayog)	Honey
2	Agro-climatic Zone	Middle Gangetic Plain Region (IV) , North West Alluvial Plain Zone (BI-1)
3	Agro ecological situation	Eastern Plain, Hot Subhumid (moist), Eco-Region (13.1)
4	Soil type	Sandy Loam
5	Productivity of major crops of districts	
	Paddy	34.24 q/ha
	Wheat	35.18 q/ha
	Pulse	13-15 q/ha
	Oilseed	16-18 q/ha
	Veg. (name)	Cauliflower (275 q/ha), Brinjal (245 q/ha) Tomato(250 q/ha), Bottle Gourd(175 q/ha)
	Fruit (Name)	Banana (80-90 t/ha), Mango (10-15 t/ha)
	Others	
	Enterprises	
6	Mean yearly temperature, rainfall, humidity of the district	Average humidity-67 %
7	Production of major livestock products like , etc.	Live Stock Dairy Animal-
	milk	1. Cross breed Cow- (Average milk yield 10 liter per day) Local Cow- (Average milk yield 03 liter per day) Total Cow- 212170
	egg	2. Buffalow- 170804 (Average milk yield in 12 liter per day)
	meat	Total Production five lakh liter per day

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.	Rajapakar	Rajapakar	Faridpur, Sarsai, Rajapakar, Bakhari Barai, Harpurmukund	Integrated pest Management– Papaya, Guava, Litchi, Cauliflower, Potato, Pointed gourd, Capsicum, Banana, Vegetables,	- Farmers are unaware about the IPM technologies, Problem in cultivation of Papaya - Old orchard of Guava - Lots of pseudostem produced and thrown at road side, Excessive use of chemicals fertilisers	CFLD, Integrated Pest Management/Integrated Disease management Effect of ARKA Vegetable Special and Arka Microbial Consortia in vegetable crops, Pruning in Guava, Cultivation of Papaya, Quality seed production, Production of Exotic vegetables, Application of Tricoderma and Consortia in Brinjal, Banana fiber extraction and handicrafts, Good quality seeds of pulses and oilseeds. Application of Sulphur, Boron, Zinc and other required micronutrients, Application of Natural Farming inputs like Beejamrit, Jeevamrit, and Neemastra. Seed production technique for quality crop production.
2.	Dharhara	Lalganj	Dharhara, Gurmia	Field crops Mango, Litchi, Rice wheat, Potato	Labour availability, Fruit drop and Alternate bearing, Lack of assured irrigation and lodging problem	OFT, CFLD, Use of machinery in cultivation Application of Sulphur, Boron, Zinc and other required micronutrients Good quality seed of pulses and oilseeds, Use of Silica fertilizer in cereal crops
3.	Thanpur	Mahnar	Thanpur	Oilseeds and Pulses	Non-availability of good quality seeds	Good quality seeds of pulses and oilseeds. Application of Sulphur, Boron, Zinc and other required micronutrients
4.	Loma Bejha	Hajipur	Loma Bejha, Hilalpur Hariharpur, Chakwara	Rice, Wheat, Vegetables- Cauliflower, Brinjal Paddy, Moong, Litchi Dairy, Vegetables	Excessive use of harsh chemicals fertilisers and high prices of urea, Seed certification, Boron deficiency, Insect pest disease attack. Off season production Uneven floor in dairy house	FLD, OFT, Trainings, NARI, Use of nano fertilisers in cereal crops, Quality Seed production. Girdling technology Housing management
5.	Patepur	Patepur	Bajitpur, Nirpur, Bardiha, Repura, Rasalpur	Cereals, pulses	Unavailability of labour and availability and farm mechanisation	CRA, Use of machinery and all other climate resilient agriculture technologies

		Mahnar	Rampur Baghel	Cereals	Lack of labour availability and farm mechanisation	CRA Technology
		Sahdei Buzurg	Fatikwara			
6.	Mahnar	Jandaha	Jandaha	Value addition & income generating activity	Unskilled way for making value added product	Training in making value added product
7.	Hajipur	Lalganj	Jalalpur	Wheat	Quality seed material required	Seed production technique
8.	Hajipur	Hajipur	Senduari Ghoshwar, Hilalpur Bhagwanpur, Alawalpur, Prataptand Jadhua, Panapur Langa, Rampur nausahan	Paddy, Maize, Mustard, Tomato, Potato, Wheat Mushroom production, Quail production, Litchi Nursery, banana	Quality seed material, irrigation problem Plant Material replacement in banana. Pest Management in Mango. Quality seed material required in time. Economical weaker people Quality seed material Off season production Unemployed youth	Seed production technique for quality crop production. Training in Banana & Mango. Unemployed Rural youth Girdling technology Establishment of Nursery, Banana fiber Extraction
9.	Mahua	Raja pakar	Mukundpur, Sarsai	Quail	Availability of Quail chick	Hatchery to be established
10.	Bidupur	Bidupur	Dhobauli, Bidupur	Papaya, Litchi, Pointed gourd, Banana	Disease infestation in Papaya, Alternate bearing in Litchi Poor quality planting material, lots of pseudostem is produced and thrown away on road side	Cultivation of Papaya Girdling technology & Good quality planting material, FPO, SHG (marketing of banana and mushroom)
11.	Dharhara	Bhagwanpur	Dharhara	Field crops-Mango, Litchi	1. Labour availability 2. Fruit drop 3. Alternate bearing	OFT, Use of machinery in cultivation Application of Boron Good quality planting material, Girdling technology
12.	Hilalpur	Hajipur	Hilalpur,	Wheat, Potato	Lower land availability & productivity	OFT, Use of Nano fertilizer in Wheat & Potato
13.	Bakhari Barai	Rajapakar	Bakhari Barai	Rice, Wheat, Mustard	Good quality seed and deficiency of micro nutrient	OFT, Use of Sulphur and Boron fertilizer and supply of good quality seeds
14.	Vaishali	Vaishali	Chintamani pur	Honey	Honey production	FPO, SHG

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
Villages adopted by SMS (Plant protection)		
Madarna	Vaishali	Bee keeping and Integrated pest management technology
Rampur Ratnakar	Hajipur	Pulse seed production
Villages adopted by SMS (Horticulture)		
Sarsai	Rajapakar	Pruning in Guava orchard, Cultivation of Casicum, Good quality planting material of Pointed gourd, Effect of ARKA Vegetable Special and Arka Microbial Consortia in vegetable crops
Prataptand	Bhagwanpur	Regular bearing in Litchi, Effect of ARKA Vegetable Special and Arka Microbial Consortia in vegetable crops
Villages adopted by SMS (Crop Production)		
Loma Bejha, Faridpur	Hajipur, Rajapakar	Nano Urea application in Rice and Wheat
Maricha Ram	Bhagwanpur	Application of Vermicompost and Zinc in Rice
Villages adopted by SMS (Agriculture Engineering)		
Senduari	Hajipur	Food processing and preservation
Bidupur	Bidupur	Mulching in Tomato, Value addition in Banana
Villages adopted by SMS (Home Science)		
Gurmiya	Hajipur	Nutri garden
Hilalpur	Hajipur	Value addition

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			
12	12	86	12	6	0	0	60	8	7	1	86	11	11	270	20	7	0	0	1	7	5	19	75	2	7	0

Training												Extension activities											
Number of Courses		Number of Participants										Number of activities		Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
100	124	3000	227	181	0	0	429	1845	939	2794	3213	1000	1192	12000	399	100	0	0	14850	650	15249	759	15249

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	124	18	23	0	0	14	13	32	38	70	5000	5300	23	17	0	0	37	13	60	30	90

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
Paddy(Rajendra Suwasni,Rajshree)	80.97	Kept in Farm Store	Mango(Amrapali)	0.01	515
Potato(Kufri Khyati, Chipsona, Sinduri)	200.0	Kept in Cold Storage	Guava(A.Safeda)	0.06	581 (Chilli) ,40 (Brinjal),192 (Tomato) ,360 (Cauliflower), 135(Bottle Gourd),135 (Cucumber) ,114(Bitter Gourd), 175 (Sponge Gourd)
Tori(RH749)	5.5	Send to DSF, Dholi	Litchi(Sahi)	0.009	212
Finger Millet(RAU8)	2.9	Kept in Farm Store	Chandni(Ornamental Plant)	0.09	24
Sesame (Krishna)	0.95	Kept in Farm Store	Croton(Variegated)	0.20	
			Rose/Jasmine/Ficus	0.01	
Total	296.32			0.379	

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
Chicks(200)	Quail Chicks- 150	Soil Samples (0.01)	0.00241
Egg (400)	Poultry Chicks- 115		
	Quail egg- 311		
	Poultry egg- 155		
	Fish (Recently Started)		

* 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	16	16
2	Varietal Evaluation	-	-	-
3	Integrated Pest Management	2	14	14
4	Integrated Crop Management	1	7	7
5	Integrated Disease Management	0	0	0
6	Small Scale Income Generation Enterprises	0	0	0
7	Weed Management	0	0	0
8	Resource Conservation Technology	1	7	7
9	Farm Machineries	0	0	0
10	Integrated Farming System	0	0	0
11	Seed / Plant production	0	0	0
12	Post-Harvest Technology / Value addition	0	0	0
13	Drudgery Reduction	0	0	0
14	Storage Technique	0	0	0
15	Others (Pl. specify)	0	0	0
16	Cropping Systems	0	0	0
17	Farm Mechanization	0	0	0
18	Others	0	0	0
	Total	6	44	44
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	0	0	0
2	Varietal Evaluation	0	0	0

3	Integrated Pest Management	0	0	0
4	Integrated Crop Management	0	0	0
5	Integrated Disease Management	0	0	0
6	Small Scale Income Generation Enterprises	0	0	0
7	Weed Management	0	0	0
8	Resource Conservation Technology	0	0	0
9	Post-harvest Technology / Value addition	0	0	0
10	Others if any specify	0	0	0
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	0	0	0
2	Breeding management/Evaluation of Breeds	0	0	0
3	Feed and Fodder management	0	0	0
4	Nutrition Management	0	0	0
5	Production and Management	0	0	0
6	Processing and Value addition	0	0	0
7	Fisheries management	0	0	0
8	Others (waste, ITK etc)	0	0	0
	Total	0	0	0
D	Technologies assessed under miscellaneous enterprises by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction	0	0	0
2	Entrepreneurship Development	0	0	0
3	Health and nutrition	0	0	0
4	Processing and value addition	0	0	0
5	Energy conservation	0	0	0
6	Small-scale income generation	0	0	0
7	Storage techniques	0	0	0
8	Household food security	0	0	0

9	Organic farming	0	0	0
10	Agroforestry management	0	0	0
11	Mechanization	0	0	0
12	Resource conservation technology	0	0	0
13	Value Addition	0	0	0
14	Others	0	0	0
	Total	0	0	0
E	Technologies assessed under various enterprises for women empowerment			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction	0	0	0
2	Entrepreneurship Development	0	0	0
3	Health and Nutrition	2	14	14
4	Value Addition	0	0	0
5	Others	2	14	14
	Total	10	72	72

3.2.2 OFT (All discipline)

Horticulture – OFT-1

Thematic area: Integrated Disease Management

Problem definition/Name of OFT: Wilt problem in Brinjal is identified in Vaishali district of Bihar and therefore there is reduction in yield.

1.	Title of On farm Trial	Assessment of microbial consortia against wilting in Solanaceous crops (Brinjal)
2.	Problem diagnosed	Wilt problem in Brinjal is identified in Vaishali district of Bihar and therefore there is reduction in yield.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- Chemical Pesticides Technology option 1- IIHR consortia (Arka microbial consortia) Technology option 2- NRC Litchi consortia
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIHR, Bangalore, NRC, Litchi, Muzaffarpur
5.	Production system and thematic area	Integrated Disease Management
6.	Performance of the Technology with performance indicators	- Initial plant population - First wilt incidence (days after transplanting) - Wilting percentage at 15, 30, 45, 60 & 75 DAT - Yield (q/ha) - Economics (Rs./ha)
7.	Final recommendation for micro level situation	Technology option 2 (NRC Tricoderma) was found better than other options and achieved maximum yield
8.	Constraints identified and feedback for research	No constraints
9.	Process of farmers participation and their reaction	Field visit, Interaction with farmers, Training and Demonstrations

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Initial plant population	First wilting (days)	Wilting of plants (%)				
		Proposed	Actual			15 days	30 days	45 days	60 days	75 days
Integrated Disease Management	Farmers practice- Chemical Pesticides)	0.2		18	6.2	7.1	12.7	28.2	36.6	44.4

	Technology option 1- IIHR consortia (Arka microbia consortia)			18	3.7	3.6	8.2	13.6	17.4	21.3
	Technology option 2- NRC Litchi consortia			18	2.2	1.7	4.8	9.4	12.8	18.5

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

Results: The results revealed that the disease incidence was less in the plants treated /seedlings treated with trichoderma since it significantly suppress the growth of plants pathogenic micro organisms and regulate the rate of plant growth. The secondary metabolites secreted by trichoderma sapp suppress the growth of pathogenic micro-organisms and also stimulates the plant growth. Yield as well as B:C ratio is more in the plants trated with consortia. AMC is carries based product which contains Nitrogen fixing, Phosphoros, Zinc solubilizing and plant growth promoting microbes in a single formulation. Hence farmers need not applying Nitrogen fixing Phosphorous solubilizing and growth promoting bacteria. Inoculants individually which incases less cost of cultivation. Therefore increseing the B:C ratio increses yield by 5-15 % as well.

Photographs:



OFT on microbial consorita against wilting in Solanaceous crops (Brinjal)

Horticulture – OFT-2

Thematic area: Nutrient Managment

Problem definition/Name of OFT: Improvement of Nitrogen Use Efficiency in Wheat (*Triticum aestivum*)

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen use efficiency in Wheat
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiralling price of Urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- RDF (100:40:20) Kg/ha Technology option 1- 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS). Technology option 2- 50% of RDN & 100% PK + 2 spray of nano urea at 35 DAS) and (60-65 DAS) @ 4ml/lt. water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Proceeding of OFT finalization workshop at BAU, Sabour (1-3 September, 2022)
5.	Production system and thematic area	Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	• Yield/ha • No. of effective tillers/m² • 1000 grain weight (g) • Panicle weight (g) • Straw yield (q/ha) • Economics
7.	Final recommendation for micro level situation	The use of nano urea has not been beneficial both in terms of yield and profit, thus spraying of nano-urea should not be recommended for Wheat under the agro-climatic conditions of Vaishali.
8.	Constraints identified and feedback for research	Nano urea is more intensively absorbed through stomatal pores in leaves, thus performs better for broad leaf crops and wheat being a narrow leaf plant has probably failed to perform with nano-urea application.
9.	Process of farmers participation and their reaction	Training and Short lecture, group discussion, field visits

Growth and Yield Parameters:

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Nutrient Management	Farmers practice- RDF (100:40:20) Kg/ha	0.2	0.2	45.2	40664	97050	56386	2.38
	Technology option 1- 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS)			40.5	38027	87384	49357	2.29

	Technology option 2- 50% of RDN & 100% PK + 2 spray of nano urea at 35 DAS) and (60-65 DAS) @ 4ml/lt. water			42.5	39900	94555	54655	2.36
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Results: The results indicate that out of all the parameter recorded, grain yield and straw yield produced significantly varied results, rest all other parameter showed insignificant difference. The grain yield and straw yield obtained in Farmer's Practice (45.2 q/ha and 52.7 q/ha, respectively) was significantly higher as compared to other two treatments involving nano urea sprays.

Conclusion:-It is evident from the results that Nano fertilizer has no effect on enhancing the yield and profitability obtained from rice. Moreover, the use of nano urea has added to the cost of cultivation and reduced the net profit and BC ratio.



Visit of Scientist in OFT Demonstration Plot

Crop Production -OFT 3

- **Thematic area** :Nutrient Management
- **Problem definition/Name of OFT**: Improvement of Nitrogen use efficiency in Rice (*Oryza sativa*)

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen use efficiency in Rice (<i>Oryza sativa</i>)
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiralling price of Urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- RDF (100:40:20) Kg/ha Technology option 1- 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS). Technology option 2- 50% of RDN & 100% PK + 2 spray of nano urea at 35 DAS) and (60-65 DAS) @ 4ml/lt. water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Proceeding of OFT finalization workshop at BAU, Sabour (1-3 September, 2022)
5.	Production system and thematic area	Integrated Nutrient Management
6.	Performance of the Technology with performance indicators	• Yield (q/ha) • No. of effective tillers/m² • 1000 grain weight (g) • Panicle weight (g) • Straw yield (q/ha) • Economics
7.	Final recommendation for micro level situation	The use of nano urea has not been beneficial both in terms of yield and profit, thus spraying of nano-urea should not be recommended for Rice under the agro-climatic conditions of Vaishali.
8.	Constraints identified and feedback for research	Nano urea is more intensively absorbed through stomatal pores in leaves, thus performs better for broad leaf crops and wheat being a narrow leaf plant has probably failed to perform with nano-urea application.
9.	Process of farmers participation and their reaction	Training and Short lecture, group discussion, field visits

Growth and Yield Parameters:

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Nutrient Management	Farmers practice- RDF (100:40:20) Kg/ha	0.2	0.2	45.24	29998	65850	35852	2.19
	Technology option 1- 50% of RDN & 100% PK + Nano urea @4ml/lt. water (Single spray at 35 DAS)			40.55	32785	60350	27565	1.84

	Technology option 2- 50% of RDN & 100% PK + 2 spray of nano urea at 35 DAS) and (60-65 DAS) @ 4ml/ltr. water			42.78	33254	61236	27982	2.18
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Results: The results indicate that all the parameters recorded non-significant results. The grain yield and straw yield obtained in Farmer's Practice (45.24 q/ha and 68.87 q/ha, respectively) was higher as compared to other two treatments involving nano urea sprays.

Conclusion:-It is evident from the results that Nano fertilizer has no effect on enhancing the yield and profitability obtained from rice. Moreover, the use of nano urea has added to the cost of cultivation and reduced the net profit and BC ratio.



Spraying of nano fertilisers at 30-35 DAS

Plant Protection - OFT –4

- **Thematic area:** Integrated Pest Management
- **Problem definition/Name of OFT:** Sever infestation of fruit fly in cucurbits observed in this district and farmers are fully depend on conventional method of insecticide application

1.	Title of On farm Trial	Eco-friendly management practices to control fruit fly in cucurbits
2.	Problem diagnosed	Sever infestation of fruit fly in cucurbits observed in this district and farmers are fully depend on conventional method of insecticide application.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- Spray of any pesticides as per their knowledge Technology option 1- Mix Ethyl Alcohol-60 ml + Cue lure (P-Acetoxyl butanone-2)-40 ml + Malathion / DDVP-20 ml (<i>i.e.</i> , 6:4:2) @ 10 traps/ha Technology option 2- Bait Application Technique (BAT) spray liquid of 0.1% insecticide (Malathion) and 10% Jaggery or 10 % ripe banana or erect cue lure (Para Pheromone trap) @ 3 per acre to attract and trap male fruit flies.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop of Plant Protection, ATARI, Patna
5.	Production system and thematic area	Integrated Pest Management
6.	Performance of the Technology with performance indicators	• Mean no. of ovipositional punctures/fruit • Mean no. of maggots/fruit • Mean % fruit infestation • Yield (t/ha) • B:C ratio
7.	Final recommendation for micro level situation	Technological option 1 performed the best result among three options <i>i.e</i> 16.45 t/ha fruit yield in sponge gourd, increase in fruit yield 60.95 % and minimum damage recorded in fruit.
8.	Constraints identified and feedback for research	No Constraints
9.	Process of farmers participation and their reaction	Awareness training, short lecture, group discussion demonstration and field visits.

Thematic area	Technological Options	Mean per cent of damaged fruit (%)	Mean no of maggot/fruit	Yield (t/ha)	Yield increase over control	Area (ha)/Nos		Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC ratio
						Proposed	Actual				
Integrated Pest Management	Farmers practice- Spray of any pesticides as per their knowledge	42.67	17.63	10.22	-	-	01	42000.00	153300.00	111300.00	2.65
	Technology option 1- Mix Ethyl Alcohol-60 ml + Cue lure (P-Acetoxyl butanone-2)-40 ml + Malathion / DDVP-20 ml (i.e., 6:4:2) @ 10 traps/ha	15.40	8.10	16.45	60.95	-	01	35000.00	246750.00	211750.00	5.22
	Technology option 2- Bait Application Technique (BAT) spray liquid of 0.1% insecticide (Malathion) and 10% Jaggery or 10 % ripe banana or erect cue lure (Para Pheromone trap) @ 3 per acre to attract and trap male fruit flies.bag	28.32	10.45	13.61	33.17	-	01	38000.00	204150.00	166150.00	3.18
	SEm(±)	0.16	0.07	0.58	-						
	CD (0.05)	0.49	0.18	1.72	-						

Results: The on farm trial conducted on eight different locations of farmer's field. In this trial it was recorded that technology option 1 observed the highest yield followed by technology option 2 and Farmer practice *i.e.* (16.45 t/h), (13.61 t/ha) and (10.22 t/ha) respectively. Mean per cent of damaged fruit (%) was recorded highest in Farmer practices followed by technology option 2 and lowest in technology option 1 *i.e.* 42.67%, 28.32% and 15.40% respectively. Mean no. of maggot/fruit was recorded highest in Farmer practices, followed by Technology option 1 *i.e.* 17.63%, 10.45% and 8.10 respectively. However Net return was observed highest in Technology option 1 (Rs.211750.00) followed by Technology option 2 (Rs. 166150.00) and lowest in Farmer practice (Rs. 153300.00)

Photographs:



Plant Protection OFT-5

- **Thematic area:** Integrated Pest Management
- **Problem definition/Name of OFT:** Management of Banana scarring beetle

1.	Title of On farm Trial (OFT)	Eco-friendly management of banana Scarring beetle (<i>Basileptasubcostatum Jacoby</i>)
2.	Problem diagnosed	Severe infestation of Banana Scarring beetle in Banana crop in Vaishali district
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	PF:-Chloropyriphos 20 EC @ 1ml/lit. TO1:- (i) Soil application of Chloropyriphos 20 EC @ 4 ml/lit. (ii) Bunch spraying with Acephate (0.11%) just after first hand opening followed by bunch cover with Polypropylene bag TO2:- (i) Soil application of Beauveria bassiana (1x 10 ⁷ cfu/ml) @ 200 ml/plant (ii) Bunch spraying with Acephate (0.11%) just after first hand opening followed by bunch cover with Polypropylene bag
4.	Source of Technology (ICAR/AICRP/SAU/other, please specify)	OFT finalization workshop ATARI Patna
5.	Production system and thematic area	Integrated Pest Management
6.	Performance of the Technology with performance indicators	<u>Performance indicators:</u> (i) No. of Scars per fingure (ii) No. of scars/5 cm ² leaf surface (iii) Mean fruit infestation (%) (iv) Bunch weight (Kg/Plant)
7.	Final recommendation for micro level situation	Soil application of Chloropyriphos 20 EC @ 4 ml/lit. + Bunch spraying with Acephate (0.11%) just after first hand opening followed by bunch cover with Polypropylene bag
8.	Constraints identified and feedback for research	No constraints
9.	Process of farmers participation and their reaction	Field visit, Interaction with farmers, Training and Demonstrations

Table: - Efficacy of different management practices modules against banana Scarring beetle (*Basileptasubcostatum* Jacoby)

Thematic area	Technological Options	No. of Scars per finger	No. of scars/ 5 cm ² leaf surface	Mean fruit infestation (%)	Bunch weight (Kg/Plant)	Area (ha)/Nos		Yield (ton/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC ratio
						Proposed	Actual					
Integrated Pest Management	PF:- Chloropyriphos 20 EC @ 1ml/lit.	10.8	12.2	11.5	14.50	-	01	25.0	1,25,000.00	2,90,000.00	1,65,000.00	2.32
	TO₁:- (i) Soil application of Chloropyriphos 20 EC @ 4 ml/lit. (ii) Bunch spraying with Acephate (0.11%) just after first hand opening followed by bunch cover with Polypropylene bag	3.6	7.65	7.6	17.95	-	01	38.0	1,10,000.00	3,75,000.00	2,65,000.00	3.40
	TO₂:- (i) Soil application of Beauveria bassiana (1x 10 ⁷ cfu/ml) @ 200 ml/plant (ii) Bunch spraying with Acephate (0.11%) just after first hand opening followed by bunch cover with Polypropylene bag	4.2	9.73	9.2	16.35	-	01	32.0	1,15,000.00	3,25,000.00	2,10,000.00	2.82

Result:-The on farm trial conducted on eight different locations of farmer's field. In this trial it was recorded that Technology option 1 observed highest fruit yield (38.0 t/ha) followed by Technology option 2 (32.0 t/ha) and lowest yield in Farmer practices (25.0 t/ha). Bunch weight was recorded highest in Technology option 1 (17.95 kg/ha) followed by Technology option 2 (16.35 kg/ha) and lowest in Farmer practice (14.50 kg/ha). However No. of scars per figure, No. of scars/5cm² leaf surface and mean fruit infestation (%) was recorded highest in farmer practice i.e 10.8, 12.2 and 11.5 respectively and lowest in Technology option 2 i.e. 4.2, 9.73 and 9.2 respectively. Net return was observed highest in Technology option 1 i.e Rs.2,65,000.00/ha while lowest in Farmer practice i.e Rs. 1,65,000.00/ha.

Photographs:



Agricultural Engineering – OFT-6

Thematic area- Water management

Problem definition/Name of OFT: Inadequate weed control, Soil moisture management, Soil nutrient deficiency in balance soil temperature and cost effectiveness.

1.	Title of On farm Trial	Assesmentof low-cost Mulching in vegetable crop production.
2.	Problem diagnosed	Due to weed the yield of Tomato decreases affecting the net return.Inadequate weed control, Soil moisture management, Soil nutrient deficiency in balance soil temperature and cost effectiveness.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- No mulching use Technology option 1- Banana leaf mulch Technology option 2- Crop residue mulch
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RPCAU, Pusa
5.	Production system and thematic area	Water management
6.	Performance of the Technology with performance indicators	• Soil moisture • No.of irrigation • Weed density • Yield • Gross income • Net income • BC ratio
7.	Final recommendation for micro level situation	Technology option 1 (Banana leaf mulch) is increased the yield and high BC ratio (1.72) the use of this mulch increased the soil moisture 22.61% and reduced weed density
8.	Constraints identified and feedback for research	No constraints
9.	Process of farmers participation and their reaction	Training

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Soil health management	Farmers practice- No mulching use	0.2	0.2	253.7	154700	245360	90660	1.58
	Technology option 1- Banana leaf mulch			418.7	184500	317340	132840	1.72

	Technology option 2- Crop residue mulch			413.7	178300	305430	127130	1.71
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Results: The results indicate that out of all the parameters recorded the soil moisture(%) at 15 cm depth, No. of irrigation, weed density & yield effects the the results.the yield of tomato in farmers field is 253.7 q/ha was significantly low as compared to other two treatments. The gross cost in banana leaf mulching is higher but increase in yield 418.7 q/ha which is increased the B:C ratio.since the use of banana leaf mulching has been beneficial to farmers in terms of yield & B:C ratio.Thus it is recommended to farmers field. Technology option 1 (Banana leaf mulch) is increased the yield and high BC ratio (1.72) the use of this mulch increased the soil moisture 22.61% and reduced weed density.Technology option 1 (Banana leaf mulch) is increased the yield and high BC ratio (1.72) the use of this mulch increased the soil moisture 22.61% and reduced weed density.



OFT Field Visit

Home Science - OFT –7

Thematic area- Value addition

Problem definition/Name of OFT: Mushroom is a highly perishable food item with low shelf life. Thus, people consume it mostly as fresh vegetable. Therefore, biscuit prepared from mushroom is way to increase it shelf life with high nutrient content

1.	Title of On farm Trial	Assessment of preparation methods of Mushroom Biscuit for more shelf life, enhancement of nutrition & income
2.	Problem diagnosed	Mushroom is a highly perishable food item with low shelf life. Thus, people consume it mostly as fresh vegetable. Therefore, biscuit prepared from mushroom is way to increase it shelf life with high nutrient content.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer's Practice- Local people consume fresh mushroom as such as vegetables. Technology Option-01 Preparation of mushroom biscuit (90% Maida, 10% Mushroom powder) Technology Option-02 -Preparation of mushroom biscuit with ragi (70% Maida, 10% Mushroom powder & 20% Ragi)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-Directorate of Mushroom Research Chambaghat, Solan
5.	Production system and thematic area	Value addition
6.	Performance of the Technology with performance indicators	1. Sensory evaluation (5 point hedonic scale) 2. Shelf life
7.	Final recommendation for micro level situation	The treatment TO2 mushroom biscuit with ragi (70% Maida, 10% Mushroom powder & 20% Ragi) recorded higher score for color and appearance, flavor, crispiness, Taste and overall acceptability up to 60 days of storage. Therefore, it is recommended for farmers.
8.	Constraints identified and feedback for research	No constraints
9.	Process of farmers participation and their reaction	Field visit, Interaction with farm women, Training and Demonstrations

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Color & appearance			Flavor			Crispiness			Taste			Overall acceptability		
		Proposed	Actual	Initial	30 days	60 days	Initial	30 days	60 days	Initial	30 days	60 days	Initial	30 days	60 days	Initial	30 days	60 days
Value addition	Farmer's Practice- Local people consume fresh mushroom as such as vegetables.	7	7	3.84	3.42	3.01	3.92	3.62	3.15	3.80	3.25	2.96	3.96	3.68	3.15	3.88	3.49	3.06
	Technology Option-01 Preparation of mushroom biscuit	7	7	4.20	3.80	3.24	4.41	4.00	3.50	4.27	3.85	3.14	4.35	3.75	3.25	4.30	3.85	3.28

	(90% Maida, 10% Mushroom powder																	
	Technology Option-02 - Preparation of mushroom biscuit with ragi (70% Maida, 10% Mushroom powder & 20% Ragi	7	7	4.50	4.24	3.94	4.60	4.15	3.75	4.55	4.00	3.78	4.56	4.01	3.64	4.55	4.12	3.77

Results:

The purpose of the study was to prepare cookies from locally available raw material to improve its quality by adding mushroom and millet (Ragi). Mushroom and ragi were made powder form to increase in high protein fiber and mineral substance. The treatment TO2 mushroom biscuit with ragi (70% Maida, 10% Mushroom powder & 20% Ragi) recorded higher score for color and appearance, flavor, crispiness, Taste and overall acceptability up to 60 days of storage. Therefore, it is recommended for farmers.



OFT on Mushroom Biscuit for more shelf life, enhancement of nutrition & income

Horticulture OFT –8

Thematic area: Fruit (Regulation of flowering and fruiting in litchi)

Problem definition/Name of OFT: Irregular bearing at young stage of the plant in all litchi cultivars is a phenomenon constraint in general and alternate bearing in cultivar of China group in particular.

1.	Title of On farm Trial	Bearing regulation in litchi through girdling of primary branch.
2.	Problem diagnosed	Irregular bearing at young stage of the plant in all litchi cultivars is a phenomenon constraint in general and alternate bearing in cultivar of China group in particular.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- No girdling Technology option 1- Circular girdling 2 mm diameter on 50% primary branches during 1 st week of September. Technology option 2- Circular girdling 4 mm diameter on 50% primary branches during 1 st week of September.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-NRC on Litchi Muzaffarpur, AICRP on fruits
5.	Production system and thematic area	Fruit (Regulation of flowering and fruiting in litchi)
6.	Performance of the Technology with performance indicators	• Days to flowering after girdling • Fruits per panicle • Fruit retention percentage • Yield • Fruit weight
7.	Final recommendation for micro level situation	Among all the treatments Technology Option 1 (Circular girdling 2 mm diameter on 50% primary branches during 1 st week of September) was found to be the best and gave maximum yield.
8.	Constraints identified and feedback for research	No Constraints
9.	Process of farmers participation and their reaction	Field visit, Interaction with farmers, Training and Demonstrations

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Days to flowering after girdling	No of fruits per panicle	Fruit retention percentage	Fruit weight (g)	Yield (kg/plant)	Days to flowering after girdling
		Proposed	Actual						
Fruit (Regulation of flowering and fruiting in litchi)	Farmers practice- No girdling	0.2	0.2	43.00	30.31	32.11	14.99	8.52	43.00
	Technology option 1- Circular girdling 2 mm diameter on 50% primary branches during 1 st week of September.			75.39	47.31	27.25	18.44	30.63	75.39
	Technology option 2- Circular girdling 4 mm diameter on 50% primary branches during 1 st week of September			81.73	26.50	35.31	17.82	28.45	81.73

Results: The data in the table given revealed that girdling treatments significantly induced the flowering in litchi during the first year as compared to control. Within Treatments, no significant differences were observed. The results indicated that litchi trees which were subjected to different severity and use of girdling have more flowering intensity, fruit set and fruit retention and it also reduced fruit drop as compared to control. The current research revealed that the girdling of 50% of primary branches+ 2mm wide during 2nd, 3rd week of September. From 1st year it can be suggested that girdling 2mm diameter in 50% primary branches was found to be beneficial for the farmers

Photographs:



OFT on girdling of primary branch in Litchi

Home Science, On Farm Trial-9

Title : Development of Poshtik Ladoo from locally available food grains for the reduction of malnutrition among children (age 1-3 year) mother of rural families

Crop : Postic Ladoo

No. of Trials : 07

Area : 0.5 ha

Treatment	Technology				
T ₁	Farmers practice: Normal homemade ladoo				
T ₂	Technology option 1- Multigrain ladoo (Wheat + Maize + Finger millet + Green gram)				
T ₃	Technology option 2- Finger Millet Ladoo				
Result					
Treatments	Color & appearance	Taste	Aroma	Texture	Overall acceptability
FP	3.54	3.85	3.82	3.86	3.88
TO1	4.10	4.28	4.50	4.37	4.35
TO2	3.95	4.15	4.56	4.05	4.15

Brief write up of result should be given separate table for each OFT.

Results: The purpose of the study was to Development of Poshtik Ladoo from locally available food grains for the reduction of malnutrition among children (age 1-3 year) mother of rural families. The results indicates that out of all the parameters: score for the colour and appearance, taste, flavour, texture and overall acceptability. Recorded in TO1 multi grain ladoo, (Wheat 40% + Maize 20% + Finger millet 20% + Green gram 20%) is higher than Finger millet ladoo. Therefore it is recommended for the children.



OFT on Poshtik Ladoo from locally available food grains

Agricultural Engineering - OFT -10

Thematic area: Food processing and preservation

Problem definition/Name of OFT:-Self lifeof *Oyster* mushroom is poor

1.	Title of On farm Trial	Assesment of different packaging materials on self life of Oyser mushroom.
2.	Problem diagnosed	Self lifeof <i>Oyster</i> mushroom is poor
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice- Farmer's practice Technology option 1- Suitable punnet (Washed in plain water, pre-treated with 0.05% KMS and dried in solar dryer) Technology option 2- Biodegradable 40-60 micron or 100-150 gauge (Washed in plain water, pre-treated with 0.1 % Citric acid and 0.05% KMS and dried in solar dryer)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT Finalization workshop at RPCAU,Pusa
5.	Production system and thematic area	Food processing and preservation
6.	Performance of the Technology with performance indicators	• Colour • Rehydration • Sensory analysis
7.	Final recommendation for micro level situation	The technology option 2 with recommended treatment and Bio degradable LDPE bag increased shelf life of dehydrated mushroom.
8.	Constraints identified and feedback for research	No Constraints
9.	Process of farmers participation and their reaction	Training

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)	Rehydration Ratio	Colour	Overall acceptability
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		Proposed	Actual	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days
Food processing and preservation	Farmers practice- Farmer's practice	7	7	2.91	2.68	2.46	2.29	6.4	6.2	6.1	5.9	6.3	6.2	5.9	5.8
	Technology option 1- Suitable punnet (Washed in plain water, pre-treated with 0.05% KMS and dried in solar dryer)	7	7	3.79	3.71	3.60	3.54	7.5	7.3	7.0	6.9	7.3	7.1	6.9	6.7
	Technology option 2- Biodegradable 40-60 micron or 100-150 gauge	7	7	3.85	3.79	3.71	3.59	8.7	8.5	8.3	8	8.5	8.3	8.0	7.8

Results: The results showed that the out of the three parameters recorded rehydration ratio, colour and overall acceptability significantly effects the results. treatments have nonsignificant effects on rehydration ratio. it is evident from the results that biodegradable LDPE bag with treatments of (0.1% citric acid and 0.05% KMS), was for storage of mushroom till 3 months. this way of packaging will enhance the shelf life of dehydrated mushroom. Therefore, Technology option (Biodegradable 40-60 micron or 100-150 gauge (Washed in plain water, pre-treated with 0.1 % Citric acid and 0.05% KMS and dried in solar dryer) may be best option to increase shelf life of oyster mushroom. The technology option 2 with recommended treatment and Bio degradable LDPE bag increased shelf life of dehydrated mushroom.



OFT on packaging materials self life of Oyser mushroom

Agricultural Engineering - OFT -11

OFT (Agricultural engineering)

- **Thematic area:** Farm mechanization
- **Problem definition/Name of OFT:** Assessment of sowing tools in maize crops

1.	Title of On farm Trial (OFT)	Assessment of sowing tools in maize crops
2.	Problem diagnosed	Drudgery reduction, labour shortage
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1- Sowing using Khurpi T2- Sowing using vertical/punch dibbler T3- Sowing using rotary dibbler
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIAE, Bhopal
5.	Production system and thematic area	Farm mechanization
6.	Performance of the Technology with performance indicators	(i) Technical indicator (Theoretical field capacity (ha/hr), Actual field capacity (ha/hr), Field efficiency %, Germination %, Yield (Q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio)

		(iii) Farmer perception
7.	Final recommendation for micro level situation	On going
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Farm mechanization	T1- Sowing using Khurpi T2- Sowing using vertical/punch dibbler T3- Sowing using rotary dibbler	1 ha	1 ha	ongoing				

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



Fig:OFT on maize sowing tools at farmers field

OFT (Agricultural engineering) -12

- **Thematic area:** Farm mechanization
- **Problem definition/Name of OFT:** Assessment of weeding tools in maize crops

1.	Title of On farm Trial (OFT)	Assessment of weeding tools in maize crops
2.	Problem diagnosed	Labour unavailability, weeding issues
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T1- Weeding using Khurpi T2- weeding using grubber T3- weeding using wheel hoe
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	RPCAU, Pusa
5.	Production system and thematic area	Farm mechanization

6.	Performance of the Technology with performance indicators	(i) Technical indicator (Theoretical field capacity (ha/hr), Actual field capacity (ha/hr), Field efficiency %, Germination %, Yield (Q/ha) (ii) Economic indicator (Cost of cultivation, Gross return, Net return, B:C ratio) (iii) Farmer perception
7.	Final recommendation for micro level situation	On going
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2024

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
1.	Cereals	1	10 ha	25	46.85	44.75
2.	Oil Seed	1	15 ha	20	18.65	16.50
3.	Pulses	1	15 ha	20	16.55	14.22
4.	Horticulture Crops	1	200 Nos.	10	175	140
5.	Other crops	2	10 ha	50	375	274
6.	Hybrid crop	0	0	0	0	0
7.	Livestock	0	0	0	0	0
8.	Fisheries	0	0	0	0	0
9.	Other enterprises					
10.	Women empowerment					
11.	Farm Machinery					
	Grand Total	6	50 ha/200 Nos.	125	632.05	489.47

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
Rice	Nutrient Management	Effect of Vermicompost and Zinc in Rice	25	10	46.85	44.75	4.69	29400	62350	32950	2.12	28800	59320	30520	2.05
Wheat	Weed Management	Weed Managaement in Wheat using Sulphosulfuron	25	10 ha	Ongoing										
Total			25	10	46.85	44.75	4.69	29400	62350	32950	2.12	28800	59320	30520	2.05

2. Oilseeds

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Mustard	Nutrient Management	Sulphur application in Mustard	20	15	18.65	16.50	13.03	21000	65550	44550	3.11	22445	65000	42555	2.89
Total			20	15	18.65	16.50	13.03	21000	65550	44550	3.11	22445	65000	42555	2.89

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

** BCR= GROSS RETURN/GROSS COST

3. Pulses

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lentil	Nutrient management	Biofertilizer (Rhyzobium) application in lentil	20	15	16.55	14.22	16.38	23583	68863	45280	2.92	24939	66089	41150	2.65
	Total		20	15	16.55	14.22	16.38	23583	68863	45280	2.92	24939	66089	41150	2.65

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

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

Pointed gourd	Yield in increment	Rajendra Parwal-1	10	200 Nos.	175	140	25 %	4,90,000	7,00,000	2,10,000	1.43	5,10,000	6,12,000	1,02,000	1.2
	Total		10	200 Nos.	175	140	25 %	4,90,000	7,00,000	2,10,000	1.43	5,10,000	6,12,000	1,02,000	1.2

5. Other crops

[illegible]

6. Demonstration details on crop hybrid varieties

[illegible]

[illegible]

* 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

[illegible]

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.)			
					Demons ration	Check		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl specify)																	
Total																	

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 Oystrous sp.	25	25	620 kg	250 kg	148	-	-	22500	108350	85850	4.81	8500	48000	39500	5.64
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (Hermatic bag)	Post harvest technology	20	100 Nos	1% (Grain Damage)	11%(Grain Damage)											
Total		45	125 Nos													

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

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction	35	Thumb Knife Cutter(okra)	9.65 Kg/h	13.25 Kg/h	35
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden	40	Improved varieties of vegetable seed	159 q/ha	198 q/ha	40
Storage Technique					

Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	75	0	9.65 Kg/h , 159 q/ha	13.25 Kg/h, 198 q/ha	75

11. Farm implements and machinery

[illegible]

Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others										

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

** BCR= GROSS RETURN/GROSS COST

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	08.10.2024	01	35	Scientists visited farmers field to monitor the impact of vermicompost and Zinc in Rice crop.
		15.03.2024	01	39	Integrated Pest Management Technology demonstration
		34.05.2024	02	30	Integrated Pest Management Technology demonstration
		23.06.2024	01	32	Monitoring of Vanraja chicks
		26.05.2024	01	47	Scientist visited farmers field and demonstrated the mineral mixture in Goatary production which was liked by the farmers.
		30.12.2024	02	35	Demonstration of hermetic bag
2.	Farmers Training	20.07.2024	01	21	Importance of Vermicompost and Zinc in rice was communicated to farmers.
		20.02.2024	01	18	Improved variety of different vegetable crops
		35.11.2024	01	08	Application of AVS and AMC in Vegetable crops
		18.11.2024	03	15	Girdling technology in Litchi
		23.10.2024	01	29	Use and benefits of hermetic bag for storage
		07.12.2024	01	37	Use and benefits of hermetic bag for storage
		7.8.2024	01	45	Cropping in kitchen garden
3.	Media coverage		07		

4.	Training for extension functionaries	24.10.2024	01	225	Importance of Vermicompost and micronutrient Zn was communicated to ATMs, BTMs and ACs.
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Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1.	Marigold	Double pinching at 30 & 40 days gives higher BC ratio in the Vaishali district of Bihar and therefore this is recommended to the farmers for higher returns
2.	Microbial Consortia and Trichoderma	Microbial Consortia was found to be more effective as well gives more yield with improved quality of fruits
3.	Girdling Technology in litchi	Girdling at 2 mm diameter on 50 % primary branches was found to be beneficial for the farmers
4.	Rice (Vermicompost and Zinc in Rice)	Vermicompost being organic in nature has benefitted plants along with improved the conditions of soil and addition of micronutrient Zn has kept the rice plants healthy and has positive impact on yield.
5.	Hermatic bag	It prevents the insects and reduces storage loss. It preserves the product without use of pesticides.
6.	Fruit fly trap	It is very cost effective and eco-friendly management practice of fruit fly in Fruit as well as vegetable
7.	Pheromone trap	Cost effective and eco-friendly management practice of brinjal fruit and shoot borer and Tobacco caterpillar
8.	Hermatic bag	It prevents the insects and reduces storage loss. It preserves the product without the use of pesticides.
9.	Kitchen garden	Availability of vegetables at low cost at household level
10.	Oyster Mushroom	It is nutritious and improves the dietary intake of farmers and farm women.

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

1. Technical Parameters:

S. No.	Crop season	Name of crop demonstrated	Area (ha)	Number of farmers	Detail of technology demonstrated	Detail of existing farmer practice	Yield (q/ha) in farmer field	Yield obtained in demonstration (q/ha)			Yield gap (Kg/ha) w.r.to			Yield gap minimized (%)		
								Max.	Min.	Av.	District yield (D)	State yield (S)	Potential yield (P)	D	S	P
1	Rabi	Lentil	16	40	IPL 316 + Seed treatment with Rhizobium, application of PSB, Sulphur, boron and zinc.	undescriptive	13.25	16.25	14.5	15.38	9.7(q/ha)	9.85(q/ha)				
2	Rabi	Mustard (DRMR-150-35)	60	150	DRMR-150-35 + Application of Carbendazim,	Hybrid	11.50	15.50	13.50	14.50	20.00(q/ha)	15.56(q/ha)				

					pendimethalin, sulphur, boron, zinc and Imidacholoropid												
3	Rabi	Rajendra Suflam-1	250	625	Rajendra Suflam-1+ Pendimethalin, Sulphur, Boron, Carbendazim+Mancozeb, 24-D Amin Salt, Imidacholoropid, Glyphosate, Micronutrients	Local variety	16.5	22	19.5	20.75							
4	Kharif	Mustard(Rajendra Suflam-1)	250	625	Rajendra Suflam-1+ Pendimethalin, Sulphur, Boron, Carbendazim+Mancozeb, 24-D Amin Salt, Imidacholoropid, Glyphosate, Micronutrients	Ongoing											

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	Lentil(IPL 316) Rabi	32500	79500	47000	2.45	36000	92280	56280	2.56	9280
2	Mustard(Rajendra Suflam-1) Rabi	19500	62675	43175	2.21	22500	79025	56525	2.51	16350
3	Mustard(Rajendra Suflam-1) Kharif	Ongoing								

3. Socio-economic impact parameters

S. No.	Name of crop demonstrated	Total produce obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own their own farm (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Lentil(IPL 316) Rabi	32500	10	50	16	-	Education of the children,	36

							improvement of living standard	
2	Mustard(Rajendra Suflam-1) Rabi	36000	10	35	12	-	Education of the children, improvement of living standard	35
3	Mustard(Rajendra Suflam-1) Kharif	Ongoing						

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 of Mustard (Rajendra Sufalam), Lentil (IPL 316))	Very much appreciated due to less incidence of diseases and pest	Very much preferred	Little bit costlier but affordable	No	Yes	Soil testing of each field to be done.	Preferred by farmers.

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Micronutrient: Sulphur @ 20kg/ha and Boron @10 kg/ha	Better oil percentage obtained	More oil extracted from seeds as compared to local check.	Preferred by farmers.
Spraying of Carbendazim+Mancozeb @ 2g/liter of water	Better performance of growth parameters with less infestation of diseases	Better performance as compared to local check.	Preferred by farmers
Spraying of Imidacloprid @ 1ml/3liter of water	Better performance of growth parameters with less infestation of insects	Better performance as compared to local check	Preferred by farmers

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training	21.01.2024	26
2.	Training	28.01.2024	15

3.	Field Day	05.03.2024	19
4.	Field Day	12.03.2024	20
5.	Field Day	23.03.2024	27
6.	Training	17.10.2024	60
7.	Training	17.10.2024	38
8.	Training	18.10.2024	19
9.	Training	18.10.2024	44
10.	Training	19.10.2024	69
11.	Training	19.10.2024	77
12.	Training	21.10.2024	32
13.	Training	21.10.2024	21
14.	Training	22.10.2024	44
15.	Training	22.10.2024	28
16.	Training	23.10.2024	73
17.	Field Day	19.12.2024	53
18.	Field Day	23.12.2024	44

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 Sanctioned (Rs.)	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard(Oilseed)	i) Critical input	250	250	2025000.00	709375.00	600150.00	1086.00
	ii) Field Day and monitoring			225000.00		73269.00	
	iii) Publication of literature			-		-	
	iv) Training			504000.00		27870.00	
	v) Miscellaneous Expenses(Included Soil Health Testing)			68750.00		7000.00	
	Total			2822750.00		708289.00	1086.00

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

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

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

[illegible]

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & fish disease	-	-	-	-	-	-	-	-	-	-	-	-	-
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)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	10	89	31	120	61	37	98	0	0	0	150	68	218

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	-	-	-	-	-	-	-	-	-	-	-	-	-
Bee-keeping	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Seed production	-	-	-	-	-	-	-	-	-	-	-	-	-
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	1	1	21	22	0	8	8	0	0	0	1	29	30
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Dairying	-	-	-	-	-	-	-	-	-	-	-	-	-
Sheep and goat rearing	-	-	-	-	-	-	-	-	-	-	-	-	-
Quail farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit farming	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry production	-	-	-	-	-	-	-	-	-	-	-	-	-
Ornamental fisheries	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
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	13	31	24	55	2	4	6	0	0	0	33	28	61
Post-Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	2	5	42	47	0	13	13	0	0	0	5	55	60
TOTAL	16	37	87	124	2	25	27	0	0	0	39	112	151

[illegible][illegible][illegible][illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Processing and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
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	3	6	23	29	13	34	47	0	0	0	19	57	76
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	1	0	19	19	0	6	6	0	0	0	0	25	25
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	1	26	113	139	5	69	74	0	0	0	31	182	213

[illegible]

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

[illegible]

[illegible]

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

[illegible]

Thematic Area	No. of Course s	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Group Dynamics and farmers organization	-	-	-	-	-	-	-	-	-	-	-	-	-
Information networking among farmers	-	-	-	-	-	-	-	-	-	-	-	-	-
Capacity building for ICT application	-	-	-	-	-	-	-	-	-	-	-	-	-
Care and maintenance of farm machinery and implements	-	-	-	-	-	-	-	-	-	-	-	-	-
WTO and IPR issues	-	-	-	-	-	-	-	-	-	-	-	-	-
Management in farm animals	-	-	-	-	-	-	-	-	-	-	-	-	-
Livestock feed and fodder production	-	-	-	-	-	-	-	-	-	-	-	-	-
Household food security	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and Child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Low cost and nutrient efficient diet designing	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Crop intensification	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	1	56	27	83	0	0	0	0	0	0	56	27	83

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

[illegible]

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and management technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Post harvest technology and value addition	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
III. Soil Health and Fertility Management													
Soil fertility management	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Conservation	-	-	-	-	-	-	-	-	-	-	-	-	-
Integrated Nutrient Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production and use of organic inputs	-	-	-	-	-	-	-	-	-	-	-	-	-
Management of Problematic soils	-	-	-	-	-	-	-	-	-	-	-	-	-
Micro nutrient deficiency in crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Nutrient Use Efficiency	-	-	-	-	-	-	-	-	-	-	-	-	-
Soil and Water Testing	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
IV. Livestock Production and Management													
Dairy Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Poultry Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Piggery Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Rabbit Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Disease Management	-	-	-	-	-	-	-	-	-	-	-	-	-
Feed management	-	-	-	-	-	-	-	-	-	-	-	-	-
Production of quality animal products	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any (Goat farming)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	-	-	-	-	-	-	-	-	-	-	-	-	-
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	4	6	33	39	13	34	47	0	0	0	19	67	86
Design and development of low/minimum cost diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Designing and development for high nutrient efficiency diet	-	-	-	-	-	-	-	-	-	-	-	-	-
Minimization of nutrient loss in processing	1	0	19	19	0	6	6	0	0	0	0	25	25
Gender mainstreaming through SHGs	-	-	-	-	-	-	-	-	-	-	-	-	-
Storage loss minimization techniques	-	-	-	-	-	-	-	-	-	-	-	-	-
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	3	30	123	153	8	92	100	0	0	0	38	215	253
Income generation activities for empowerment of rural Women	1	0	19	19	0	0	0	0	0	0	0	19	19
Location specific drudgery reduction technologies	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	3	1	18	19	1	42	43	0	0	0	2	60	62
Capacity building	-	-	-	-	-	-	-	-	-	-	-	-	-
Women and child care	-	-	-	-	-	-	-	-	-	-	-	-	-
Others, if any(Processing and cooking)	2	3	2	5	8	34	42	0	0	0	11	36	47

[illegible]

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Nursery Management of Horticulture crops	-	-	-	-	-	-	-	-	-	-	-	-	-
Training and pruning of orchards	-	-	-	-	-	-	-	-	-	-	-	-	-
Value addition	1	1	21	22	0	8	8	0	0	0	1	29	30
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	13	30	24	55	2	4	6	0	0	0	32	28	60
Post-Harvest Technology	-	-	-	-	-	-	-	-	-	-	-	-	-
Tailoring and Stitching	-	-	-	-	-	-	-	-	-	-	-	-	-
Rural Crafts	2	5	42	47	0	13	13	0	0	0	5	55	60
Enterprise development	-	-	-	-	-	-	-	-	-	-	-	-	-
Others if any (ICT application in agriculture)	-	-	-	-	-	-	-	-	-	-	-	-	-
TOTAL	16	36	87	124	2	25	27	0	0	0	38	112	150

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

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Please furnish the details of training programmes as Annexure in the proforma given below

Discipline	Client ele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (others)			Over all participants
					M	F	Total	M	F	Total	
Plant Protection	RY	Mushroom production technology	3	On campus	5	2	7	21	2	23	30
Crop Production	RY	Organic Farming	3	On campus	4	2	6	6	18	24	30
Agriculture Engineering	RY	Banana Processing and Value Added Products	3	On campus	0	2	2	2	26	28	30
Agriculture Engineering	RY	Banana Processing and Value Added Products	5	On campus	0	3	3	0	27	27	30
Agriculture Engineering	RY	Millet Processing	3	On campus	0	2	2	4	24	28	30
Home Science	RY	Preparation of value added products of banana	3	On campus	0	4	4	24	2	26	30
Plant Protection	RY	Bee Keeping and their management	3	On campus	0	0	0	14	9	23	23
Crop Production	RY	Soil Health Card and Soil Sampling	5	On campus			0	33	20	53	53
Home Science	RY	Banana Fiber Extraction and preparation of products from fiber	15	On campus	2	4	6	13	11	24	30
Crop Production	RY	Natural Farming	6	On campus	1	2	3	25	14	39	42
Home Science	RY	Importance & preparation of low-cost nutritious diet.	5	off campus			0	15	37	52	52
Plant Protection	RY	Mushroom production technology	1	On campus	0	12	12	5	70	75	87
Crop Production	RY	Small scale processing of mushroom	1	On campus	0	3	3	4	17	21	24
Horticulture	RY	Protected cultivation of exotic fruit crops	1	On campus	20	2	22	10	5	15	37
Plant Protection	PF	Integrated Pest/Disease management in Horticultural crops	1	On campus	0	2	2	3	28	31	33
Agriculture Engineering	PF	Post Harvest technology of banana	1	off campus	1	1	2	15	3	18	20

Home Science	PF	Banana fiber extraction and preparation of products from fiber	1	On campus	0	2	2	14	2	16	18
Plant Protection	PF	Integrated Pest/Disease management in Horticultural crops	1	On campus	0	3	3	4	17	21	24
Crop Production	PF	Benefits and Use of Leaf Color Chart (LCC) in cereal crops	1	off campus			0	19	27	46	46
Agriculture Engineering	PF	Installation and management of micro irrigation system	1	On campus			0	0	28	28	28
Home Science	PF	Proper cooking methods for better retention of nutrients	1	off campus	0	0	0	14	0	14	14
Plant Protection	PF	Bio control of Pest & Disease	1	off campus	1	0	1	10	12	22	23
Agriculture Engineering	PF	Post Harvest technology of rabi crops	2	On campus			0	32	5	37	37
Crop Production	PF	Nursery management options for paddy	1	off campus			0	39	0	39	39
Home Science	PF	Proper cooking methods for better retention of nutrients	1	off campus			0	27	24	51	51
Plant Protection	PF	Bio control of Pest & Disease	1	off campus			0	36	3	39	39
Crop Production	PF	Natural Farming	1	off campus			0	21	1	22	22
Agriculture Engineering	PF	Use of plastic in farming practices	1	off campus			0	20	0	20	20
Home Science	PF	Diet during pregnancy and lactation & Importance of mother's milk	1	On campus			0	22	2	24	24
Plant Protection	PF	Production of Bio-control agents & Bio-pesticides Vegetables	1	On campus	7		7	40	21	61	68
Crop Production	PF	Green manuring: Concepts and Benefits	1	On campus	6		6	31		31	37
Agriculture Engineering	PF	Post Harvest technology of mango	1	On campus			0	30	3	33	33
Home Science	PF	Value addition in seasonal fruits	1	On campus	4	6	10	27	40	67	77
Plant Protection	PF	Production of Bio-control agents & Bio-pesticides Vegetables	1	off campus	2	1	3	37	3	40	43
Crop Production	PF	Crop establishment methods in paddy	1	off campus	0	0	0	55	0	55	55
Agriculture Engineering	PF	Small scale processing of mango	1	off campus	0	0	0	37	13	50	50
Home Science	PF	Preparation of Jam, Jellies and Pickles	1	On campus	5	3	8	33	27	60	68
Plant Protection	PF	Integrated Pest/Disease management in Cucurbits crop	1	off campus	4	2	6	23	6	29	35
Crop Production	PF	Organic Farming	1	off campus	0	0	0	21	3	24	24
Agriculture Engineering	PF	Maintenance of tractor and other implements	1	off campus	4	2	6	23	6	29	35

Home Science	PF	Banana fiber extraction and preparation of handicraft	1	off campus	2	1	3	20	2	22	25
Plant Protection	PF	Integrated Pest/Disease management in Cucurbits crop	1	off campus	1	0	1	22	3	25	26
Crop Production	PF	Natural Farming	1	off campus	0	0	0	34	10	44	44
Agriculture Engineering	PF	Maintenance of tractor and other implements	1	off campus	0	0	0	21	3	24	24
Home Science	PF	Importance of vitamin in diet	1	off campus	0	0	0	44	0	44	44
Plant Protection	PF	Integrated Pest/Disease management in <i>Kharif</i> crop	1	off campus	0	0	0	34	0	34	34
Crop Production	PF	Natural Farming	1	off campus	0	0	0	26	24	50	50
Agricultural Engineering	PF	Small scale processing of banana	1	off campus			0	43	11	54	54
Home Science	PF	Banana fiber extraction and preparation of products from fiber	1	off campus	0	0	0	35	18	53	53
Plant Protection	PF	Integrated Pest/Disease management in <i>Kharif</i> crop	1	off campus	2	1	3	37	3	40	43
Crop Production	PF	Vermicomposting	1	off campus	4	2	6	30	16	46	52
Agricultural Engineering	PF	Small scale processing of banana	1	off campus	6	3	9	35	6	41	50
Home Science	PF	Banana fiber extraction and preparation of products from fiber	1	off campus			0	58	15	73	73
Plant Protection	PF	Integrated Pest/Disease management in <i>Kharif</i> vegetables	1	off campus	0	0	0	49	1	50	50
Crop Production	PF	Resource Conservation Technologies	1	off campus	4	7	11	30	9	39	50
Agricultural Engineering	PF	Small scale processing and value addition in paddy	1	off campus	5	0	5	26	9	35	40
Home Science	PF	Importance and preparation of low-cost nutritious diet	1	off campus	4	3	7	36	7	43	50
Plant Protection	PF	Integrated Pest/Disease management in <i>Kharif</i> vegetables	1	off campus	5	5	10	30	10	40	50
Crop Production	PF	Resource Conservation Technologies	1	off campus	6	4	10	30	10	40	50
Agricultural Engineering	PF	Small scale processing and value addition in paddy	1	off campus	7	4	11	30	9	39	50
Home Science	PF	Value addition in banana products	1	On campus			0	12	28	40	40
Plant Protection	PF	Production of Bio-control agents & Bio-pesticides	1	On campus			0	24	16	40	40
Horticulture	PF	Cultivation of minor fruit crop	1	off campus	8	0	8	20	4	24	32

Horticulture	PF	Management practices of oilseed crop.	1	off campus			0	30	47	77	77
Horticulture	PF	orchard management and cultivation practices of rabi vegetable crops	1	off campus	0	0	0	8	0	8	8
Agriculture Engineering	EF	Repair and maintenance of Tractor and farm machineries	1	off campus							
Plant Protection	EF	Integrated Pest Management in <i>Kharif</i> crop	1	Off Campus	0	24	24	0	0	0	24
Home Science	EF	Value addition in banana	1	off campus	7	1	8	14	1	15	23
Crop Production	EF	Diet during pregnancy and lactation & Importance of mother's milk	1	off campus			0	0	37	37	37
Home Science	EF	Food processing & value added products	01	Off Campus	35	19	54	45	26	71	125
Horticulture	EF	Off season cultivation of vegetable crops for higher remuneration harvesting of wheat	1	On campus	6	0	6	16	0	16	22
Crop Production	EF	Integrated Pest Management in <i>Rabi</i> crops	1	off campus	0	0	0	9	0	9	9
Horticulture	EF	Protected cultivation of fruits vegetable and flower crops	1	OFF campus	9	4	13	21	2	23	36
Home Science	EF	Banana cultivation and fiber extraction	01	Off Campus	25	15	40	75	27	102	142
Total			124		227	181	429	1845	939	2794	3213

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	
Banana Processing	Processing	Banana Processing	5			60	Small unit	2	8	5
Banana Fiber Production	Value Addition	Banana Fiber Production	15			30	Small unit	2	5	5
Millet Processing	Processing	Millet Processing	5			30	Small unit	2	5	5
Mushroom Production	Production & Processing	Mushroom Prod	5			60	Small unit	2	10	5

		uction								
Bee Keeping	Processing	Bee Keeping	3			60	Small unit	2	5	5
Nursery Production	Production, Grafting	Nursery Production	3			30	Small unit	2	10	5

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

I) Sponsored Training Programmes

[illegible][illegible]

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

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

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

3.5. A. 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																
Kisan Mela participated	6			2670					130					2800		
Field Day																
Kisan Ghosthi	1			75					8					83		
Exhibition organized																
Participation in exhibition																
Film Show																
Method Demonstrations	10			360					50					410		

Farmers Seminar															
Workshop	4			435					145					580	
Group discussion															
Lectures delivered as resource persons															
Advisory Services															
Scientific visit to farmers field	144			860					125					985	
Farmers visit to KVK															
Diagnostic visits	120			6625					35					6660	
Exposure visits	12			975					36					1011	
Ex-trainees Sammelan	10			620					150					770	
Soil health Camp															
Animal Health Camp	2			175					10					185	
Agri mobile clinic															
Soil test campaigns															
Farm Science Club Conveners meet															
Self Help Group Conveners meetings															
Mahila Mandals Conveners meetings															
Special day celebration	18			550					75					625	
Sankalp Se Siddhi															
Swatchta Hi Sewa															
Celebration of important date	10			410					60					470	
Others															

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	45
Radio talks	
TV talks	
Popular articles published	1
Extension Literature	5
Electronic media	2
Any other	

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Gosthies	6	150	Banana Production and Post Harvest Technology
Lectures organised	30	150	Banana Fiber Extraction, Banana Processing, Mushroom Production, Drone Technology, CRA, Natural Farming, Nutraceutical Food, Crop Diversification
Exhibition	6	120	Banana Fiber Extraction and Banana Processing
Film Show	24	128	Banana Fiber Extraction
Farm Visit	6	115	CRA Technology
Diagnostic Practicals	6	125	Banana Fiber Extraction
Distribution of Literature(No.)	120	120	Banana Fiber Extraction
Distribution of Seed(q)	40	40	Vegetable Kit

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 (26 th Jan.)	1	25	11	36	5	4	9	30	15	51
International Women's Day (8 th Mar.)	1	0	35	35	2	5	7	2	40	42
Ambedkar Jayanti (14 th Apr.)	0	0	0	0	0	0	0	0	0	0
World's Veterinary Day (Last week of April)	1	34	5	39	5	6	11	39	11	50
World 'Milk Day	1	35	11	46	3	6	9	38	17	55
International Yoga Day (21 st Jun.)	1	24	14	38	5	8	13	29	22	51
Independence Day (15 th Aug.)	1	23	18	41	8	12	20	31	30	61
Parthenium Awareness Week	4	43	32	75	6	18	24	49	50	99
Hindi Diwas (14 th Sep.)	4	146	69	215	8	5	13	154	74	226
Gandhi Jayanti (2 nd Oct.)	1	4	25	29	2	4	6	6	29	45
Mahila Kisan Diwas (15 th Oct.)	1	31	5	36	1	2	3	32	7	39
World Food Day (16 th Oct.)	1	26	0	26	2	5	7	28	5	33
Vigilance Awareness Week	0	0	0	0	0	0	0	0	0	0
National Unity Day (31 st Oct.)	0	0	0	0	0	0	0	0	0	0
World Science Day (10 th Nov.)	0	0	0	0	0	0	0	0	0	0
National Education Day (11 th Nov.)	1	2	21	23	1	0	1	3	21	24
Fisheries day (21 Nov)	1	20	21	41	2	4	6	22	25	47
National Constitution Day (26 th Nov.)	5	25	22	47	2	4	6	27	26	53
World Soil Day (5 th Dec.)	1	7	29	36	2	5	7	9	34	43
Kisan Diwas (23 rd Dec.)	1	18	8	26	4	2	6	19	16	35
Any other day	6	69	52	121	12	25	37	81	77	158

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	28.02.2024	Release of 16 th Installment-PM Kisan Samman Nidhi Yojna	Sri Narendra Modi	84	2	-	86
2	18.06.2024	Release of 17 th Installment-PM Kisan Samman Nidhi Yojna	Sri Narendra Modi	100	5	1	106

3	05.10.2024	Release of 17 th Installment-PM Kisan Samman Nidhi Yojna	Sri Narendra Modi	41	7	-	48
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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
Lentil	IPL-316	130	975000.00	5			5	5
Green gram	Virat	10.4	99840.00	2			2	2
Total		140.4	1074840.00	7			7	7

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals (Paddy)	Rajendra Suwashini Bhagwati Finger millet(BR-407)	58.3 0.28 3.1					
Oil seed	Sesame(Krishna) Mustard(DRMR-150-35)	0.3 1.49	30250.00				
Pulses(Lentil)	IPM 2-3	1.3	980749.00				
Green Manure							
Commercial crop							
Vegetables(Potato)	L. Khyati, K. Mohan, K. Neelkanth	195	533500.00				
Fodder							
Spices							
Fruits(Mango)	Amrapali		13590.00				
Forest crop							
Ornamental/flower	Croton		30000.00				
Medicinal							
Grand Total		259.77	1588089.00				

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	Red	200	1000	18	0	42	60
Cauliflower	Yellow	200	1000	24	0	24	60
Cabbage	Kashi	500	2500	12	0	20	32
Tomato	HI TOM-2	2000	10000	21	0	35	56
Brinjal	Pusa Purple Long	1000	5000	27	0	49	76
Chilli							
Onion							
Others							
Cucumber	Kashi Nutan	2000	10000	45	0	34	79
Bottle gourd	Kashi Kanchan	50	250	26	0	37	63
Bitter gourd	Kashi Pratishtha	125	725	34	0	21	55
Sponge gourd	Kashi Shiwani	50	250	38	0	54	92
Capsicum	NS 29	500	2500	21	0	47	68
Ridge Gourd		75	375	5	0	12	17
Commercial seedlings							

Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango	Amrapalli	100	15000				
Guava	A. Safeda	600	45000				
Litchi	Sahi	90					
Papaya							
Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Croton	Variegated	2000	60000				
Chandani		900	27000				
Rose/jasmine/ficus		100	3000				
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total		10490	183600	271	0	396	658

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

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

Total						
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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							
	Vanraja	176.89 Kg		0	0	5	5
Duals (broiler and layer)			10900.00				
	CARI Brown (Japanese Quail)	178	53229.66	0	0	15	15
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.

b. Details of samples analyzed so far

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

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

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

vermicompost

d. Details of World Soil Day Celebration

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

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

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

3.5. b. Seed Hub Programme - “Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India”**1. Name of Seed Hub Centre:**

Name of Nodal Officer:	Senior Scientist & Head
Address :	Krishi Vigyan Kendra, Vaishali
e-mail :	Head.kvk.vaishali@rpcau.ac.in
Phone No. :	
Mobile :	6287797172

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 2024-25	Total amount (Lakh) in Seed Hub project presently
Rabi 2024	Lentil	IPL -316	10	13	130	130	5	-	5	130	2.72	30.49
Summer/Spring 2024	Moonng	Virat	10	1.4	10.4	10.4	2	-	2	10.4		

3. Financial Progress

Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17	-	-	-	-
2017-18	50.00	3.11	72.43	
2018-19				
2019	0.85	1.19	81.59	
2020	0	2.63	92.36	
2021	0	9.33	84.49	
2022	0	64.56	33.86	50 Lakh in FD Account (Including Expenditure)
2023	0	10.83	38.32	
2024	0	12.14	35.16	

4. Infrastructure Development

Item	Progress
Seed processing unit	completed
Seed storage structure	completed
Nursery	completed
Animal sector	
Mushroom / other enterprises	completed
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	Kavita Verma, Sunita Kushwah, Prem Prakash Gautam, Savita Kumari, Priti Pallavi, Kumari Namrata and Sripriya Das 2024, Assessment and development of nutrient-rich complementary food for unprivileged families in Vaishali district of Bihar, Volume 12, Issue 02, 201-204, Agriculture Association of Textile Chemical and Critical Reviews Journal	✓	
2		Sunita Kushwah, Sripriya Das, Prem Prakash Gautam, Kumari Namrata, Kavita Verma, Swapnil Bharti, Anup Kumar Singh, Madhu Sudan Kundu, Raj Kumar Jat, 2024, Effect of Different Tillage Practices on the growth and yield attributes of Potato (Solanum tuberosum L.), Volume 12, Issue 02, 166-169, Agriculture Association of Textile Chemical and Critical Reviews Journal	✓	

		Anup Kumar Singh, Sunita Kushwah, Swapnil Bharti, Prem Prakash Gautam, Kumari Namrata, Sripriya Das and Madhusudan Kundu, 2024, Effect of Post-Milking Teat Dip on Subclinical Mastitis in Crossbred Cows, Volume 12, Issue 01, 58-61, Journal of Krishi Vigyan		✓
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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	Poster Presentation on “Efficiency of borer and sucking pest management practices in okra (<i>Abelmoschus esculentus</i>)” in International Conference on “Advanced Agricultural Technologies for Self Reliant Farmers and Developed India” held at KVK, Piprakothi.		
	Poster Presentation on “Comparative Study on conventional method of drying and solar drying” in International Conference on “Advanced Agricultural Technologies for Self Reliant Farmers and Developed India” held at KVK, Piprakothi.		
	Oral Presentation on “Dissemination of climate Resilient Technologies and impact on the crops marginal farmers of Bihar” in International Conference on “Advanced Agricultural Technologies for Self Reliant Farmers and Developed India” held at KVK, Piprakothi.		
Books published			
Book chapter published			
Popular articles published	Swapnil Bharti, Sunita Kushwah, Kavita Verma and Kumari Namrata, 2024, Vertical Gardening: A new dimension in today's era to mitigate the effects of changing climate and global warming, Volume 4, Issue 04, 32-37, SABUJEEMA		
	लीची के बाग की खास देखभाल का है समय Dr. Ranju Kumari, Dr. Anil Kumar Singh, Dr. Rajneesh Singh		
	आम के मंजरी का करें स्वास्थ्य प्रबंधन, अच्छी होगी पैदावार Dr. Anil Kumar, Dr. Rajneesh Singh		
	आम में मंजर लगाने का मौसम कीट और रोगों से ऐसे करें बचाव Dr. Rajneesh Singh, Dr. Anil Kumar Singh		
	ठंड में आलू की फसल को झूलसा रोग से ऐसे बचाएं		

	Dr. Ranju Kumari, Dr. Anil Kumar Singh, Dr. Rajneesh Singh		
Success story published			
TOTAL	5		

C. Details of Extension Publications

Particulars	Details of publication (Title, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins published	Product Catalouge, Sunita Kushwah, Kavita Verma, Kumari Namrata, Sripriya Das, Prem Prakash Gautam, KVK Vaishali	100	55
	KVK at a Glance, Sunita Kushwah, Kavita Verma, Sripriya Das, Kumari Namrata, Prem Prakash Gautam,	100	45
Agro-advisory bulletins			
Extension folders/leaflet/pamphlets			
Technical reports			
News letter			
Electronic Publication (CD/DVD etc)			
TOTAL	2	200	100

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.	Er. Kumari Namrata	SMS(Agrcultural Engineering)	Solar Power Irrigation System(SPIS)	27.05.2024-29.05.2024	3 days	BISA, Pusa

E. Awards/Recognition

Institutional Award received by KVK

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

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority

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, Vaishali	Subodh Kumar	Millionaire Farmer of India award ,2024	Harpur Mukund, Rajapakar	9470892637	--	Vermicompost	Krishi Jagran Awards, MFOI

2.	Bir Chandra Singh	Appreciation	Harpur Mukund, Rajapakar	9955554232	-	Natural Farming	Green TV
3.	Shankar Kishore Chaudhary		Jadhua, Barie Tola, Hajipur	9234762155	-	Oal	
4.	Ram Swarth Ray		Sahdullapur, Hajipur		-	Bananan Production	
5.	Vijay Kumar Sah		Nayaganj, Sahdei Buzurg	9955684773	-	Honey Production	
6.	Neelam Devi		Lalganj	6299213900	-	Mushroom Production	
7.	Meena Kushwaha		Lodipur, Hajipur	7272941323	-	Mushroom value addition	
8.	Prabhu Dayal Singh		Faridpur, Rajapakar	9801236047	-	Organic Farming	
9.	Sunil Kumar Suman		Mohammad pur, Hajipur	9031032654	--	Banana Production and value addition	
10.	Rajeev Ranjan		Bhagwatpur, Hajipur	9123161948	-	Mushroom	
11.	Manorma Singh		Lalganj	9334929333	-	Mushroom	
12.	Sangeeta Kumari		Rampur Bakhra, Lalganj	9123231342	-	Mushroom Value Addition	
13.	Sanjeev Kumar		Chakwara, Hajipur	9430428660	-	Cauliflower Seed Production	

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
01.	Intercropping of Elephant foot yam and Green gram	In this method, at first the field was cultivated properly using cultivator and rotavator and beds were prepared manually using manual labour. Basal application of mustard cake @ 5-6 q/ha, 110 kg/ha DAP, 55 kg/ha Urea and 55 kg/ha MOP was done. Elephant foot yam corms were treated with a mixture of carbendazim and cow dung in the ratio of 0.5:20. Each bed was dug and Elephant foot yam corms have 1-2 eye was put inside the hole at a depth of 10-20 cm and covered with soil. After that moong seeds were planted along the side the beds and in furrows. A total of 7-8 irrigations were provided in the entire season and no herbicide or insecticide was applied. The yield obtained was 452 q/ha for Elephant Foot Yam and 12.5 q/ha for green gram.	This intercropping is beneficial for places where elephant foot yam which is a long duration crop is taken as a major crop and a smaller duration crop like moong can be taken in between for additional yield and better soil conditions.	Yes 10 farmers have adopted by seeing this technology. 
2.	Group dynamic approach	Formation of two farmer's producer organizations in two blocks of Vaishali district namely Diwan Farmer Producer Organization Pvt.	Farmers mobilization in Diwan FPO-415 Samridhi FPO-405	Yes. MOU Signed between Vaishali FPO and Khadi institutun of marketing of honey

		Ltd. inVaishali block for Honey production and Integrated farming system and Samriddhi Farmer Producer Organisationpvt. Ltd. inBidupur block for vegetable production. To strengthen the farming community by assure food chain supply and market linkage.		
3.	Urban Horticulture	Urban horticulture is the science to study of the growing plants in an urban environment. It focuses on the functional use of horticulture so as to maintain and improve the surrounding urban area. Urban horticulture has seen an increase in attention with the global trend of urbanization and works to study the harvest, aesthetic, architectural, recreational and psychological purposes and effects of plants in urban environments.	One of the obvious health benefits of gardening is the increased intake of fruits and vegetables. But the act of gardening itself, is also a major health benefit. Gardening is a low-impact exercise, which when added into daily activities, can help reduce weight, lower stress, and improve overall health	10 farmers adopted in the urban garden 
4.	Pinching technology in Marigold	Farmers are growing marigold in large scale in vaishali district of Bihar using indigeneous methodology. They plant the seedlings and within a period of one and a half month the plants start to bear buds which further becomes flower.In these methods the plants does not bear more branches that is there is less secondary growth in the plants thereby resulting in less number of flowers ultimately causing reduction in yield.ore, KVK Scientist made the marigold flower growers acquainted with the technology of pinching. Pinching help out the plant to prevent the plant to grow upright and helps in secondary growth. Pinching is done using the thumb and forefinger to pinch out the top growth of the plants.	Pinching the tip of plants at 30 and 40 days after planting of seedlings encourages the plant growth with more number of branches which ultimately increases the number of buds thereby enhances the flower yield percentage by 11 percent . Ultimately the farmers were profited.	Yes 11 farmers have adopted this technology in 5 hactares
5.	Zero Tillage Potato	Potatoes were sown on farmers' fields without tillage. In this technique, potatoes are spread along the line and after adding vermicompost, they are covered with paddy straw, after which sprinkling of water is required. In this method, the moisture already present in the soil is used and as we all know, a large amount of fertilizer is used to grow the potato crop, but a very small amount of fertilizer is used for sowing with this method. By sowing potatoes with this method, farmers save a lot of time, the cost is also very less and the production is 1.5 has been found to exceed.	This technology requires very less number of labours.Thus, preferred by farmers.	10 farmers have adopted by seeing this technology. 
6.	Solar Dryer	Direct solar dryer is a low cost dryer ad it was made with locally available	02 Solar dryer fabricated	Yes, File was put up for price fixation at RPCAU,Pusa

		material. The top end of this dryer is attached to exhaust fan which is operated by a solar cell (5W). The exhaust fan reduces the humidity inside the chamber. A transparent glass (Thickness 5 mm) is used to cover top of the dryer to prevent heat losses. Direct Solar dryer is constructed with locally available ply wood (Thickness, 12 mm) and inside surface is black painted. The side panel is inclined with 15°. The maximum temperature inside the temperature is reached 57 degree celcius and minimum relative humidity is 17 %.		
7.	Banana flour	The Vaishali district area around the Ganga basin is known for banana production. The major varieties are Alpan, China, Malbhog, muthia and kothia in Bihar. The Farmers have less knowledge of banana Flour production technology. Utilization of banana for production of Banana flour is a possible resource to make healthy functional food with high resistant starch and low glycemic index. Banana flour is produced with green Banana that are peeled, Chips cutting , dried and then ground. It can be used as a grounded banana flour for value added products like baby food and as an ingredient in smoothies (Bnana shake). It can also be used as an calf feed of milk replacer. It is used in bakery product.	2 trainings conducted for banana flour preparation 	
8.	Banana Fiber paper	<u>Process flow chart:</u> 1. Extraction of banana fiber from the pseudo stem of the plant is done by banana fiber extraction machine. 2. After extraction, the fibers are made to cut into fine chops in to 3-4 cm. 3. Then it is allowed to boil with sodium hydroxide for an hour. 4. The mixture is then cooled for about 1 and half hour to make a thin sheet <u>Properties:]</u> 1. Antimicrobial properties 2. Highly water absorbing 3. Biodegradable 4. Ecofriendly	2 trainings conducted  	

9.	Food Processing Lab	Purpose: food processing lab was established at Krishi Vigyan kendra, Vaishali for the training and demonstration among the farmers and rural youth. This lab is beneficial for food product development and value addition in fruits and vegetables. It is also helpful for entrepreneurship development in food processing sector. Various equipment was purchased like cabinet dryer, Microwave oven, Commercial Mixture, Box type mill, pulverizer, Mixture grinder, banana chips cutter, weighing balance, sealing machine and miscellaneous items used in lab.	5 trainings conducted on food processings  	
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B. Give details of Organic farming practiced/Indigenous Technology/ITK practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology
1.	Potato	Spraying of neem oil and ginger garlic extract	Insect Pest Management	Positive effect in control of diseases and pest under Organic Farming

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1.	Vegetable production	50	Cauliflower – 250 q/ha Pumpkin – 100 q/ha Okra – 100 q/ha	110	Yes
2.	Brinjal	30	300 q/ha	80	Yes
3.	Tomato	20	250 q/ha	50	Yes
4.	Cucurbitaceae	15	150 q/ha	40	Yes
5.	Banana	50	100 t/ha	110	Yes

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	PRA	To assess situation based need.
2.	Farm & Home visit	To gather information.
3.	Interaction/Group discussion	To assess needs of farmers.
4.	Survey for Gender and Nutrition	To assess needs and food security
5.	Online farmer interaction	To gather information and know the present scenario

4. IMPACT

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

Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	Impact of the technology in subjective terms	Impact of the technology in objective terms	Change in income (Rs.)	
							Before (Rs./Unit)	After (Rs./Unit)
Natural Farming		160		15			25575/-	20865/-
Uses of Fruit Fly Trap in cucurbits vegetable		25		40%			21000/Person	31000/Person
Uses of Pheromone trap in Brinjal and Cauliflower		25		40%			25000/Person	37000/Person
Leaf Colour Chart (LCC)		52		25			28575/-	33865/-
Fruit fly trap		15		5%			22,000/person	29,000/person
Pinching technology of marigold		25		7%			36000/-	50000/-
Mushroom Production		90		60%			30000/-	90,000/-
Nursery raising		90		10 %			15000 /-	30000/-
Use of Hermatic bag for storage of wheat		20		100%				

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	Satyam Kumar /Banana Fiber Production
Registered address of the entrepreneur/firm	Village- Rampur Nausahan, Block- Hajipur, Distt.-Vaishali
Year of establishment	2023
Type of Enterprise	Banana Fiber
Registration details	-
No of members associated	25
Technical components of the enterprise (with commodity)	Banana fiber product has good market potential its demand inside and outside India is high. The fiber can also be used for fabric making and paper pulp industry, sanitary napkin manufactures and textile industry. Waste scrunch can be used for vermicompost
Annual Income/revenue of the enterprise	3,60,000/-
Role of KVK/Technology backstopping (quantitative data support)	Training and technical support. Banana fiber extraction machine has been provided under ARYA project
Period/Timeline of the entrepreneurship development	1 Year
Economic and Social status of entrepreneur before and after the enterprise	Income has enhanced many folds and become popular among rural youth
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Different quality of banana fiber is produced and high demand in market in Flipcartand export in other states

Major achievements	He started to sell Snacks (Dry Fruits, Makhana) with Banana Fiber Production
Major constrains	Less Local Sale, Less Consumption in Bihar State due to Lack of Textile Industry, Limited Production.
Images/Imp Documents	  

Name of the entrepreneur/ Name of the enterprise/firm	Chandan Kumar /Nursery-
Registered address of the entrepreneur/firm	Village- Rampur Nausahan, Block- Hajipur, Distt.-Vaishali
Year of establishment	2020
Type of Enterprise	Nursery
Registration details	Jay Maa Bhagwati Nursery
No of members associated	10
Technical components of the enterprise (with commodity)	FYM, Vermicompost, Plants, Pots
Annual Income/revenue of the enterprise	3,60,000/-
Role of KVK/Technology backstopping (quantitative data support)	Training, providing planting material, and guidance
Period/Timeline of the entrepreneurship development	1 Year
Economic and Social status of entrepreneur before and after the enterprise	Previously Sri Chandan Kumar used to work in his own field but now he can earn a good profit by establishment of this 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):	Healthy planting material and seasonal flowering plants are being made available to the customer
Major achievements	Selling of seasonal flowers, ornamental plants
Major constrains	Marketing
Images/Imp Documents	

C. Success stories/Case studies, if any

Success Story 1: “Harvesting the Future with Organic Farming”

1. Personal information

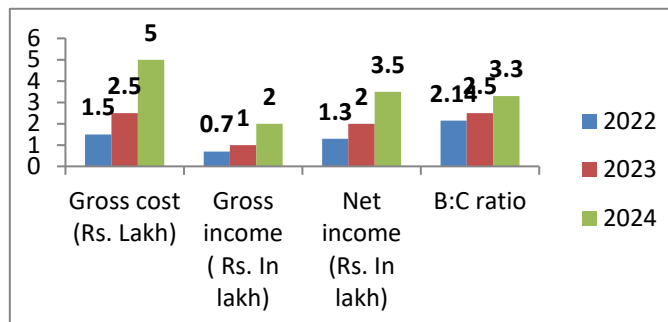
1.	Name of the farmer/ entrepreneur	Aarti Kumari
2.	Date of Birth	01.03.1980
3.	Education	PG/ B.Ed
4.	Farming Experience/ Experience in enterprise	5 year experience in Organic farming
5.	Cell no./ e-mail	9955037029/ arti844504@gmail.com
6.	Full address	Vill+Po- Harpur Mukund, Jafarpatti Block- Rajapakar, District- Vaishali,
7.	Professional membership (Farmer club/SHG/ATMA/etc.)	ATMA, Aga Khan
8.	Major achievement of the farmers	She is doing organic farming in 2 acre and earning annually 5 lakh from adopting Organic farming with 3.3 B:C ratio.
9.	Awards received	Appreciation certificate and Board received from Aga Khan, She is honoured locally and other agencies and appreciated.

2. Professional Information

Title of the success story/case study	Harvesting the Future with Organic Farming
Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)	She lives with 4 family members in village. In 2017, her husband met an accident and she was suffering from financial crisis. She has 2 acre land. Earlier she was doing farming practice using chemical fertilizer. Then she took training from KVK Vaishali and started vegetable farming without using chemical fertilizer. She observed that input cost is less as compared with traditional farming using Chemical fertilizer. By seeing his she motivated for organic farming.
Plan, Implement and Support/KVK Intervention(s): (Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How)	KVK Vaishali organizes training and awareness program on the importance of organic farming and health benefits and future aspects and ill effects of chemical fertilizer for the farmers at their field and at campus. Farmers learn the technology of preparation of Veejamrit, Jeevamrit and Neemastra and mulching. Other agency also involves like NGO AGA Khan and ATMA for awareness among farmers. She participated with husband in training program organized by KVK, Vaishali 2022 on the topic of organic farming and started vegetable production.
Details of Practices followed by the farmer	1. Seed treatment- Veejamrit- 50 gram/ Kg Seed 2. Jeevamrit - 1000 litre/ hectare/ 10 days 3. Neemastra
Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)	She is doing organic farming with B:C ratio- 3.3:1. She is appreciated by other agency and visited his farm and seeing effects of organic farming. In incoming year she will brand her organic vegetable products. 5 farmers are also adopting organic farming in 0.1 acre and in future they were ready to adopt organic farming in 0.4 acre.

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)

She is producing vegetables like strawberry in 0.2 acre, brinjal in 0.1 acre, bottle gourd in 0.2 in acre beet root in 0.2 acre and pointed gourd (0.1 acre), Capsicum in 0.2 acre, Cauliflower 0.3 acre and onion and garlic in remaining area.



Future plans

Branding and packaging of organic vegetable products like strawberry, brinjal bottle gourd, beet root and pointed gourd for marketing in other states. Shw has plan to change farming practice in fully organic. She is motivating other farmers to adopt organic farming.

Supporting Images



3. Economic Information

Enterprise	Gross Income (annual)	Net income	Cost-Benefit ratio
Organic farming (2 acre)	5 lakh	3.5 lakh	3.33

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1.	DRPCA, Pusa, Samastipur	This is the host organization provided financial support, research and teaching programme implementation. RAWP executed by the KVK for the students and KVK has many projects for multiplication trials like varietal evaluation of pointed gourd, biofortified wheat, state varietal trial of maize etc. Administrative control also.
2.	ICAR –RCR- Patna	Scientists interface Research and technical information. One acre trial of Faba bean conducted in CRA village
3.	ATARI, Zone IV, Patna	Financial assistance and project implementations.
4.	DWMR, WALMI, Patna	Participation in trainings
5.	Central Potato Research Institute Phulwari Sharif, Patna	Linkage for technology transfer through FLD, OFT and multiplication of potato varieties among farmers. KVK Vaishali popularized Kufri Lalit, Kufri Lalima and Kufri Khyati in this area. In the year 50 q breeder seed provided by CPRS and KVK produced 250 Foundation seed.
6.	IARI, New Pusa farm, Samastipur	Joint Implementation of technology through demonstrations. Papaya variety Pusa Nahna popularized.
7.	Indian Institute of Pulses Research, Kalyanpur, Kanpur	Joint Implementation for Seed Hub Programme and seed production. KVK, Vaishali granted Rs.1.5 cr. For execution of project.
8.	Coconut Development Board, Patna (regional Office)	Joint Implementation of extension programmes like trainings and Kisan Goshthi.
9.	District Level officials, such as District Magistrate, DDC	Task force meeting, advisory board meetings and technical support to the department.
10.	District Agril. Department , Vaishali	Joint field visits, inspections, participation in meeting and technical support by KVK.
11.	District Hort. Department, Vaishali	Horticulture entrepreneur development they provided subsidy and other govt. grants to farmers on the recommendation of KVK. Horticulture Exhibition and Horticulture shows organized and KVK farmers awarded by the department. 15 Awards received by KVK, also grant subsidy to establish hort. Units. 1. Mr Rajeev Ranjan, KVK Trained farmer got Rs.20 lakh subsidy to start button mushroom unit 2. Smt Manorama Singh received Rs.30 Lakh in subsidy for mushroom production unit. 3. Mushroom growers 150 farmers received subsidy for oyster mushroom production on the recommendation of KVK.
12.	District Fishery Department, Vaishali	Trainings and farmers mobilization.
13.	District Forest Department, Vaishali	Association for auction of farm trees, trainings and joint plantation programmes. 3000 plants distributed among farmers.
14.	ATMA, Vaishali	Joint Implementation of field visits, trainings, Kisan mela and demonstrations. Fund received for technology refinement Rs. 3.75 Lakh.
15.	Plant Protection Officer and Block level Agril. Officer	Kisan Goshthi, Training Programmes, Kisan Melas and demonstrations and technical help of the farmers, joint visits.
16.	DAHO, Vaishali	District Animal Husbandry Officer conducted joint programmes with KVK. Animal Health Camp 15 conducted and technical support by KVK. Trained farmer's received subsidy for establishment of Dairy.
17.	RLBCU, Jhansi	For seed input in Seed hub programme and technical support. 15 q Lentil Seed provided in 2020.
18.	BISA, Pusa	For technical and financial support.
19.	CSISA, CIMMYT	For technology intervention Rs. 2 lakh granted
20.	IARI, Deptt. Of Plant breeding & Genetics	Multiplication trial for screening of 300 germplasms in Bihar location. Technical support.

21.	NRC, Litchi, Muzaffarpur, Bihar	Technology dissemination. 1 technology Girdling in litchi is on going since to years and technical support.
22.	CFTRI, Mysore	Banan processing technical support to the banana growers in the operational area of KVK. Ready to conduct one project with KVK on processing.
23.	ICDS, Patna	Project implementation with rural women farmers of the district.
24.	JEEVIKA, Bihar	For SHG capacity building training programmes
25.	BAMETI, Patna	For trainings and capacity building programmes
26.	Doordarshan, Patna	For live seminars and TV talk for the farmers.
27.	Radio Station, Patna	Radio talk and programme recordings
Fertilizer & Pesticide Companies		
28.	Indogulf Cooperation	Kisan Mela sponsorship and mobilization of farmer. Linkage for seed, fertilizer & pesticide inputs, trainings programmes, farmers mobilization, exhibitions and demonstrations.
29.	Rastriya Chemical Fertilizers.	
30.	Indofil chemical Limited	
31.	Hindustan Chemicals.	
32.	Chambal fertilizer	
33.	PPL	
Private Seed Companies		
34.	Godrej Agrovet Pvt. Ltd.	Seed Input & farmers mobilization Kisan mela sponsorship.
35.	Bayer Crop Science Ltd.	Pescide& Seed Input linkage
36.	UPL, Ltd.	Seed input linkage. Maize trials provided to the Farmers.
37.	Kaveri Seeds Pvt. Ltd.	Seed input linkage
38.	Crystal Crop Science Ltd.	Seed & pesticide input
39.	Kanchan Seeds Ltd.	Seed input Linkage & Kisan Mela
40.	Nuziveedu Pvt. Ltd.	
41.	Excel India Ltd.	Pesticide linkage & Exhibitions
42.	Dhanuka	
43.	Aga khan Rural Support Programme	For trainings and extension work. Farmers mobilization. Travelling seminars in CRA village 500 farmers mobilize by them. Capacity building training programmes like training for goat farming, Mushroom cultivation, Quail Farming etc. for the rural women farmers.
44.	BASIX	For trainings and farmers mobilization in FPO formation and its support at Vidupur.
45.	Mahindra Samruddhi, Vaishali	Association for mechanization in operational area of KVK.
Public Institutions		
46	Khadi Gramodyog Sangh.	Women farmer mobilization to the KVK activities and training programmes
47	Nehru Yuva Kendra, Patna	For training of rural youth
48	RUDSET, Vaishali	For the training support & to build up entrepreneurship.
49	IFFCO, Hajipur	Demonstrations for NANO fertilizers in the interest of farmers and environment.
50	COMFED	Participation in meeting, conducting training & Demonstration and regular announcement of the activities of the KVK through the wall Magazine PRATIBADH. Associated dairy farmers.
51	KRIBHICO	Fertilizer input and extension activities
Financial Organization		
52	Bank of Baroda, Hajipur.	Financial Linkage and participation in training.
53	Regional Rural Bank, Hajipur.	
54	Central IPM, Punaichak, Patna.	IPM Demonstration. 3 ha demonstration conducted in the adopted village of KVK
55	NHM (National Horticulture Mission), MMM (Micro- Mode Management) & NHB	For training demonstration & seed production & popularization of vegetable/ horticultural crop. Protected cultivation developed through NHM &NHB. Training pruning machine provided by NHB approx.30 ha orchard pruned by this machine. 300 farmers seen demonstration of this machine.
NGO's		
56	World Vision, Vaishali	Trainings and Farmers mobilization. Provided sanitation kit to 100 farmers during COVID,2020 at KVK. Travelling seminars conducted with the help of them. 200 farmers they mobilize for the KVK.
57	MamtaMahila Kisan Club	Mobilization of women farmers and trainings for rural youth.
58.	Kishore Mitra, Vaishali	Trainings for animal husbandry and farmers mobilization

59.	Bihar Enterprenurship Association	Training for entrepreneurship development
Private News Channels		
60	Zee. TV, Vaishali Bihar	
61	Vaishali News Channel	
Print Media		
62	Hindustan News paper	Publication of extension activities of KVK and help in technology dissemination among the mass
	Dainik Jagran News paper	
	Dainik Bhaskar News Paper	
	PrbhatKhabar News paper	
Others		
63	Dr. C. V. Raman University, Vaishali	RAWE programme association. 2 students conducted RAWE at KVK, Vaishali.
64	Linkage with FPO’s Turki Rasalpur Farmers producer Organization.	Technical support by KVK. 12 FPO’s for farmer’s mobilization. Technical support by KVK
65	Lovely ProfeffsionalUniversity, Lucknow	RAWE programme association.
66	NIAM, Jaipur	Trainings support
67.	NCDC	For FPO formation
68.	AUTOMATE	For demonstration of rain gun
69.	BREDA	Extension activities

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.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermi-compost	2018	90	Vermicompost	Vermicompost	12 q	3000	7656.00	Good quality product
2.	Azolla	2009	1.5	<i>Azolla pinnata</i>	Azolla	3.5 Kg	-	35.00	Distribution and used in poultry feed
	Mushroom	2018	25.62	Oyster & Button	Oyster & Button	16 kg	1100	2437.00	Demonstration & sale
4.	Nutri Garden	2022	200	Hybrid Vegetables, exotic varities	Cauliflower, Beetroot, Raddish, Carrot, leafy Vegetables	304	8000	30499.00	
5.	Banana Fiber							10499.00 12500.00	
6.	Mango Orchard		4 ha			300		35000.00 15700.00 200000.00	

7.	Fish						96000.00	
Total						12100	40627.00	

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	31.07.2024	17.11.202	2.2	RajendraSuwasini	F/S	58.3	-	-	Kept in
Paddy	31.07.2024	17.11.2024	0.024	Rajendra Bhagwati	T/L	0.28	-	-	Farm Store
Finger millet	31.07.2024	29.10.2024	0.4	BR-407	F/S	3.1	-	-	
Sesame	01.07.2024	09.10.2024	0.2	Krishna	T/L Non Seed	0.3	-	-	

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	1200	3000.00	7656.00	Fine quality vermicompost

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

Sl. No.	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
2.	Quail unit	CARI Brown	Adult birds, and egg	178 Adult birds+ 80 Eggs	6000	10900.00	Demonstration purpose
3.	Poultry	Varanja and Kadaknath	Adult birds and egg	176.89 Kg Adult birds + 153Eggs	10000	53229.66	Desi breed
4.	Dairy	Sahiwal	Newly started	-	11000	Still not started	Desi breed. Dung and urine used in Natural Farming
Total					27000	64129.66	

6.5. Performance of Automatic Weather Station in KVK

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

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
May 2024	5	20	No short fall
August 2024	13	55	
Total:	18	75	

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed:Completed
- No. of staff quarters:6
- Date of completion:
- Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main Account	Bank of Baroda	Hajipur	25930200000005
Revolving Account	Bank of Baroda	Hajipur	25930100002376
Seed Hub	Bank of Baroda	Hajipur	25930100012752
Natural farming	State bank of India	Hajipur	42146427999
RPL/UP -Scaling Program	State bank of India	Hajipur	42494349422
CFLD Oilseeds	State bank of India	Hajipur	42494348633
CFLD Pulses	State bank of India	Hajipur	42494349896
Skilled development training program	State bank of India	Hajipur	42494257519

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
		7.09		7.08	.01

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1 st April 2022
	Kharif	Rabi	Kharif	Rabi	

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Contingencies			
A	Traveling allowances	100000/-	392070/-	64927/-
B	Office	314000/-		233998.96
C	Training	157000/-		45856/-
D	OFT	39000/-		31053/-
E	FLD	80000/-		15354/-
F	Kisan Mela	40000/-		0
G	Maintenance of Building	30000/-		29332/-
H	HRD	25000/-		3000/-
TOTAL (A)		785000/-	392070/-	423520.96
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2022	43.35	29.56	30.82	42.18
2023	42.18	13.54(till Dec, 2023)	17.31(till Dec, 2023)	45.41(till Dec, 2023)(38.41 Cash + 7.00 Kind)
2024	26.41	25.58	21.02	30.96

7.6. (i) Number of SHGs formed by KVKs

(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities

(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
Rabi Abhiyan	01	Rabi	ATMA & DAO	Yes	Yes
Kharif Abhiyan	01	Kharif	ATMA & DAO	Yes	Yes

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Custom Hiring	13050.00	KVK Vaishali

7.9 Resource Generation

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

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 Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman Zila Panchayat at	Distt. Collector/DM	Bank Officials	Farmers	Govt. Officials, PRI	Total		

8.7 . Vikisit Viksit Bharat Sanklap Yatra

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

8.8. Contingent crop planning

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

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

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
	No		

Date	Name of the person	Purpose of visit
02.02.2024	Ashwini Kr. Singh Editorial Incharge, Dainik Jagran, Patna	Visit to KVK
08.05.2024	Dr. A.B.M Ziaur Rahman, Country Manager-Bangladesh Advanta Seeds Int., Dhaka, Bangladesh	Visit to KVK
08.05.2024	Dr. Bipin Chandra, National Manager for India Advanta Seeds	Visit to KVK
14.05.2024	Ruchir Kumar, Senior Assistant Editor, Hindustan Times, Budh Marg, Patna-800013	Visit to KVK
21.07.2024	Dr. Sima Das	Visit to KVK to gain information about Banana Waste management.
29.09.2024	Sangeeta Kumari, Sabhapati Nagar Parishad, Hajipur	Chief Guest in Technology week
04.10.2024	Dr. N.K.Singh, Retired Professor, Head PBG, RPCAU, Pusa	Visit to KVK
04.10.2024	Dr. Ravindr Giri, Senior Project Manager, IFPRI-Harvest Plus	Visit to KVK

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (sate line department)	Salient recommendations	Action Taken	If not, State reason

*Salient recommendations of SAC in bullet points

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI

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

Type of attachment	No of student trained	No of days stayed
RAWE	18	75

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)	B C R

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
1)	Trainings		
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
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Name of KV K	NRM		Crop production		Livestock & Fisheries			Capacity Building		Extension Activities	
	Demonstrations	Area (ha)	Demonstrations	Area (ha)	Demonstrations	Area (ha)	No. of animals	No of Courses	Farmers	No. of programmes	Farmers
Zone IV											
	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	
		No. of Trainings/Demos	No. of beneficiaries
1)	Trainings		
a.	Farmer	13	27
b.	Women	37	175
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
		1	10
3)	FLD	No. of FLDs	No. of beneficiaries
		10	94
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		115	115
5)	Other activities		
a.	Participants in extension activities (No.)	150	
b.	Production of seed (q)	-	
c.	Production of Planting material (No. in lakh)	-	
d.	Production of Livestock strains (No. in lakh)	-	
e.	Production of fingerlings (No. in lakh)	-	
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	-	

11.4. NICRA (Technology Demonstration component)

Overall achievements

Basic Information

KVKs Name	Districts data	NICRA Adopted village
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	RF (mm) district		Temperature °C		Dry spell/ drought			Intensive rain >60 mm	Flood	
	Normal	Received	Max.	Min.	> 10 days	> 15 days	> 20 days		Water depth (cm)	Duration (days)

Performances of demonstration of in-situ moisture conservation technologies

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

Performances of water harvesting and recycling for supplemental irrigation

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

Performance of ZTD in various crops

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

Performance of artificial ground water recharge technologies demonstrated

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

Performance of different water saving irrigation methods

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

Rainwater harvesting structures developed

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

Performance of different drought tolerant varieties

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

Performance of different short duration rice varieties

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

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Performance of different flood tolerant varieties

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

Performance of advancement of planting dates in different crops

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

Performances of water saving technologies for rice cultivation

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

Integration of cropping system with other farming

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

Performance of Community nurseries

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

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

Performance of different location specific intercropping systems

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

Performance of different crop diversification in NICRA villages

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

Performance of other demonstration

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

Performance of different fodder demonstration in community lands

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

Performance of improved fodder

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

Performance of various vaccination camps organized

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

For Goat/ sheep/ pig

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

For poultry

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

Performance of fish in the ponds/ water bodies

FST	Fish species	Technology demonstrated with dose rate	No. of farmers	Area (ha)/ Unit	Fish yield (q/ha)	Economics of demonstration (Rs/ha)		
						CoC	NR	BCR

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

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

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

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

Performance of livestock demonstration in NICRA adopted villages (poultry)

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

Performance of improved shelters for poultry and dairy animals

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

INSTITUTIONAL INTERVENTION

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

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

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

Extension Activities

Name of the activity	Number of Programmes	No. of beneficiaries		
		Male	Female	Total

Soil Health Card prepared and distributed

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

Convergence Programme

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

Dignitaries visited NICRA Villages

Name of KVK	Name of VIPs/Experts	Date of visit

Newspaper Coverage**Name of PI & Co-PI List**

Name of KVK	Name of PI	Name Of Co PI

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

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

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

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC

Table: Custom Hiring of Farm-Implement

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

Table: Village wise VCRMC

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

Attachments: Good quality Photograph

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

S.No	No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business
1.	1	Vaishali	1	405	1	1	1
2.	1	Bidupur	1	415	1	1	1

Name of State	Name of district	No. of blocks allocated	No. of FPOs registered as CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business
Bihar	Vaishali	2	1	450	2	2	2	4	Yes(Banana Processing / Millet and Honey Processing	2	Yes	-	2

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

S.No	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator
1	NCDC	Diwan Farmers Producer Organisation Self Supporting Cooperative Society Ltd	BR/07/03/01/OTH-06/2022 VIII+Post-Chakramdas,Block-Vaishali	Honey Production, Input Supplier	Litchi, Honey	12	455	7000000.00	Seed and Fertilizer License issued
2	NCDC	Samridhi Farmers Producers Organisation Self Supportive Cooperative Society Ltd.	BR/07/03/01/OTH-02/2022	Mushroom Production, Vegetables marketing	Fruits and Vgetables	12	405	3500000.00	FSSAI License Issued, Registered on eNAM

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

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
05	Hilalpur,,Hariharpur, Sindhuri, Gurmiya,	-	3	4	120	3	68

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	No. of farmers/ beneficiaries
FLD		
Nutritional Garden	0.16 ha	70
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Hilalpur ,Hariharpur, Sindhuri, Gurmiya,	Backyard/Kitchen Garden	70	0.16 ha	
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

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

e. Details of Value addition in Nutri-Smart village

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

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Hilalpur, Hariharpur, Sindhuri, Gurmiya,	Development of Nutri Garden	04	76

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Hilalpur, Sindhuri, Gurmiya, Hariharpur	Development of Nutri Garden	3	68

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of persons on left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/ Unit/ Year (Rs.)	Economic Gains/ unit (Rs.)	B: C Ratio	Employment generated/ year (manday @ 8 hr/ day)
Horticulture Nursery	1	RY	3	30	2	1	25	1		2	1000	1000	1,74,00.00	30-150/Plant	2,35,000.00	70,500.00	1.35	210
Mushroom Production Unit	2	RY	6	60	5	2	50	2		2	2000 kg	2000 Kg	65000	150/Kg	1,50,000.00	85,000.00	2.30	245
Bee keeping and Honey Production Units	2	RY	6	60	7	-	-	-		7	50 boxes	10 quintal	1,20,000.00	600/Kg	3,00,000.00	1,80,000.00	1.5	90
Quail Unit	1	RY	1	30	1	-	-	-		3	500 birds	250 birds, 1800 chicks, 17000 egg	48000	60 Adult Bird/ Piece, Egg 3/Piece	1,59,000.00	1,44,000.00	3	21
Banana Fiber Extraction Units/Banana Processing	6	RY	28	180	3	2	50	2		1	36 quintal	36 quintal	1,65,000.00	200-250/Kg	4,00,000.00	2,35,000.00	2.4	720

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State		Bihar	
Name of KVK		Krishi Vigyan Kendra, Vaishali	
Agro Climatic Zone of Village/KVK		Zone-IV	
Farming Situation of the Selected Farmer/KVK		Latitude (N)	Longitude (E)
		25°44' to 26° 13' N	85°13' to 86° 21' E

Physical information

Name of KVK	Name of activity	No of activities organized	No of participants	Participants (Male)						Participants (Female)					
				GEN	OBC	SC	S T	Other s	Total	GEN	OBC	SC	ST	Others	Total
KVK Vaishali	Training	11	438	162	120	15	-	-	297	75	59	7	-	-	141
	Awareness	1	205	42	68	25	-	-	135	14	44	12	-	-	70
	Demonstration	12	12	4	7	1	-	-	12	-	-	-	-	-	12
	Other activities														

Training information

Title of Natural Farming training Programme	Date of Training	Venue of programme	Participants (Male)						Participants (Female)						GT	Remarks/ Observation/Feedback Recorded
			GEN	OBC	S C	S T	Others	Tot al	GE N	O B C	S C	S T	Others	Tot al		
Natural Farming	09.01.2024 - 10.01.2024	KVK Vaishal	15	25	-	-	-	40	-	-	-	-	-	-	40	
Natural Farming	22.03.2024 - 23.03.2024	KVK Vaishal	10	10	-	-	-	20	8	12	-	-	-	20	40	
Natural Farming	23.03.2024 - 24.03.2024	KVK Vaishal	10	10	4	-	-	24	6	10	-	-	-	16	40	
Natural Farming	26.03.2024 -	KVK Vaishal	21	15	-	-	-	36	4	-	-	-	-	4	40	

	27.03.,2024															
Natural Farming	27.03.2024 - 28.03.2024	KVK Vaishal	8	14	2	-	-	24	8	5	3	-	-	16	40	
Natural Farming	27.03.2024 - 28.03.2024	KVK Vaishal	2	3	-	-	-	5	13	20	2	-	-	35	40	
Natural Farming	28.03.2024 - 29.03.2024	KVK Vaishal	8	10	2	-	-	20	8	10	2	-	-	20	40	
Natural Farming	28.03.2024 - 29.03.2024	KVK Vaishal	25	10	-	-	-	35	5	-	-	-	-	5	40	
Natural Farming	11.07.2024 - 12.07.2024	Dharhara, Lalganj	31	6	4	0	-	41	2	-	-	-	-	2	39	
Natural Farming	15.07.2024 - 16.07.2024	Bakarpur, Rajapakar	17	11	3	0	-	31	6	2	-	-	-	8	36	
Natural Farming	31.07.2024 - 01.08.2024	Harpur Mukund, Rajapakar	15	6	-	-	-	21	15	-	-	-	-	15	36	

Awareness programme information

Title of Natural Farming Awareness programme	Date of Awareness programme	Venue of programme	Participants (Male)						Participants (Female)						GT	Remarks/Observation/Feedback Recorded
			GEN	OB C	S C	S T	Others	Total	G E N	O B C	S C	S T	Others	Total		
Awareness Programme	30.03.2024	KVK Vaishali	42	68	25	-	-	135	14	44	12	-	-	70	205	

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 Vaishali	5	7	438	20	24	12	Less Effect of Climate Change, less prone to disease and less cost of cultivation.

Demonstration Information**1. KVK/ Farmer wise information of demonstration conducted till date**

1. KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Vaishali	
Address of Farmer with contact detail		Vipin Kumar Pandey, Mob-9955008232	
Agro Climatic Zone of KVK/Village of farmer		Zone -IV Dharhara, Lalganj	
Cropping patter of KVK plot/ Farmer plot		Vegetable	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.87°N	85.18°E

2. KVK/ Farmer wise information of demonstration conducted till date

Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK, Vaishali	
Address of Farmer with contact detail		Randhir Paswan, Mob-9006705850	
Agro Climatic Zone of KVK/Village of farmer		Zone -IV Harpur Mukund, Rajapakar	
Cropping patter of KVK plot/ Farmer plot		Vegetable	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.4223°N	85.2311°E

3.KVK/ Farmer wise information of demonstration conducted till date

3.KVK/ Farmer wise information of demonstration conducted till date			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Vaishali	
Address of Farmer with contact detail		Birchandra Singh, Mob-9955554232	
Agro Climatic Zone of KVK/Village of farmer		Zone -IV Harpur Mukund, Rajapakar	
Cropping patter of KVK plot/ Farmer plot		Vegetable	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.4223°N	85.2311°E

4.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Bhartendu Rituraj, Mob-7250100009		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Bidupur, Vaishali		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.6452° N	85.3336° E

5.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Vashishtha Narayan Singh, Mob-9931908433		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Bakarpur, Bishanpura, Rajapakar		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.548462° N	85.686989° E

6.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Devendra Prasad Singh, Mob-8581003753		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Harpur Mukund, Jafarpatti		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.692739° N	85.393082° E

7.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Tej Narayan Singh, Mob-7667143887		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Bakarpur, Bishanpura, Rajapakar		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.548462° N	85.686989° E

8.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Vishwanath Prasad, Mob-8228086104		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Harpur Mukund, Rajapakar		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.4223°N	85.2311°E

9.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Devanand Gupta, Mob-86510417100		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Anwarpur, Lalganj		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.68° N	85.22°E

10.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Manoj Mahto, Mob-9934018533		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Paura Madan Singh, Lalganj		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.72° N	85.23°E

11.KVK/ Farmer wise information of demonstration conducted till date

Name of State	Bihar		
Name of KVK/Farmer where demonstration conducted	KVK,Vaishali		
Address of Farmer with contact detail	Narendra Kumar Sameer, Mob-8826015968		
Agro Climatic Zone of KVK/Village of farmer	Zone -IV Senduari, Hajipur		
Cropping patter of KVK plot/ Farmer plot	Vegetable		
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.7389° N	85.2787° E

12.KVK/ Farmer wise information of demonstration conducted till date

Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK,Vaishali	
Address of Farmer with contact detail		Pramod Kumar, Mob-9934843402	
Agro Climatic Zone of KVK/Village of farmer		Zone -IV Samaspura, Mahua	
Cropping patter of KVK plot/ Farmer plot		Vegetable	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.812140 ° N	85.4556 °E

Name of Activity	Crop	Variety	Season (Kharif /Rabi/ Summer)	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observations Recorded		
							Name of parameter	Performance	
								Without NF practice	With NF practice
Crop Sowing	Vegetable	Hybrid	Kharif/Rabi/ Summer	Bijamrit, Ghanjivamrit, jivamrit and Nimastra	2	Chemical Fertilizer and Pesticide	Plant height (cm)		
							Other relevant parameter		
							Yield (q/ha)		
							Cost of cultivation (Rs/ha)		
							Gross Return (Rs/ha)		
							Net Return (Rs/ha)		
							B:C Ratio		
							Soil PH		
							Soil OC (%)		
							Soil EC (dS/m)		
							Available N (Kg/ha)		
							Available P (Kg/ha)		
							Available K (Kg/ha)		
							Soil Microbes (cfu)		
							Any other, specify		
Feedback of farmer									

Information of Farmer Already Practicing Natural Farming

S. N o.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
1	Vaishali	Aarti Kumari	Vill+Po-Harpur Mukund, Jafarpatti Block-Rajapakar , District-Vaishali,	2	2 acre	Vegetables and fruits(Strawberry, Capsicum, Cauliflower, Beetroot, Brinjal)	3 years	0.5 acre	Strawberry, Brinjal	Bijamrit, Ghanjivamrit, jivamrit and Nimastra	Plant height (cm)		
											Other relevant parameter		
											Yield (q/ha)		
											Cost of cultivation (Rs/ha)		
											Gross Return (Rs/ha)		
											Net Return (Rs/ha)		
											B:C Ratio		
											Soil PH		
											Soil OC (%)		
											Soil EC (dS/m)		
											Available N (Kg/ha)		
											Available P (Kg/ha)		
											Available K (Kg/ha)		
											Soil Microbes (cfu)		
											Any other, specify		

Feedback of farmer:

Soil Data information

Soil Parameter for Demo plot at KVK Farm

[illegible]

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)

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)

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)

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				
Awareness Programme				
Demonstration				
Miscellaneous				
Total				

Name of activity	1	2	3
Training programmes			
Awareness programmes			
Demonstrations (KVK/Farmer filed)			

Any other activities



Dr. Keshav Principal Scientist
Agril Ext Director Nodal Officer Natural farming
visited at farmers field



Critical inputs (Nano DAP) distributed to farmers
conducting On Farm Trial on Rice Crop in the
season Kharif 2024-25

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	OB	Gen	Kharif	Rabi	Summer					
ZT, RBP	Wheat-Moong		Wheat	Moon g		315	50	358	10	368	8	0	345	15		56.5	16.45	106.14		42.26 (Wheat), 14.55 (Moon g)	1	50
RBP, ZT	Maize-Moong		Mai ze	Moo ng		164	45	200	5	205	5	0	45	155		85.5		131.54		65.25 (Maize), 14.55 (Moon g)	1	50

ZT	Mustard-Moong		Mustard	Moon g		40	19	51	8	59	7	0	42	10		20.86		63.24		18.57 (Mustard), 14.55 (Moong)	1	50
RBP, ZT	Potato-Moong		Potato	Moong		2.15	10	13	0	12.15	2	0	10	1		19.5		233.54		184.75 (Potato), 14.55 (Moong)	2	68
ZT	Lentil-Moong		Lentil	Moon g		20	10	24	6	30	3	0	25	2		18.2		61.56		14.50 (Lentil), 14.55 (Moong)	1	50
ZT	Rice-Wheat-Moong	Rice	Wheat	Moong	269.5	315	10	590	5	594.5	8	0	572	15	45.55	60		129.87		40.50 (Rice), 42.26 (Wheat), 14.55 (Moong)	2	75
ZT	Rice-Mustard-Moong	Rice	Mustard	Moon g	23.5	40	10	72	2	73.5	2	0	70	1	45.52	20.86		121.93		40.50 (Rice), 18.57 (Mustard), 14.55 (Moong)	1	50

ZT, RBP	Rice-Potato-Moong	Rice	Potato	Moon g	125	2.15	15	140	3	142.15	1	0	135	7	40.25	195		224.78		40.55(Rice), 184.75(Potato), 14.55(Moong)	2	70
ZT, RBP	Rice-Maize-Moong	Rice	Maize	Moon g	51.5	164	15	228	3	230.5	4	0	223	4	39.78	85.5		150.77		40.50(Rice), 65.25(Maize), 14.55(Moon g)	-	-
ZT	Finger millet-Wheat-Moong	Finger millet	Wheat	Moon g	12	315	10	335	2	337	2	0	330	5	15.56	56.5		62.09		22.5(Finger Millet), 42.26(Wheat), 14.55(Moon g)	-	-

Photographs



11.8 District Agro Meteorological Unit (DAMU)

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

11.9 KSHAMTA

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

11.10 Agri-Drone

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

Details of Demonstrations under Agri-drone Project

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

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

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

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

12. OTHER INFORMATION

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

b. Activities under IFS

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.								
2.								

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
2nd -31st Oct 2024	30	112	269	182	563

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
15 Dec -31st Dec 2024	16	24	73	110	207

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	Training, Awareness Program , Essay Competition, Sweeping	-

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



Kisan Mela, RPCAU, Pusa



Awareness Programme



ARYA Workshop 2024



Rural Youth Training Program



Farm and Farm Women Training on Banana Processing



Off Campus Training on Banana Fiber

Off Campus Training under Program Under CRA



Trainng Program under SCSP

Demonstartion of vegetable Seedling under SCSP



Dignitary visited KVK Exhibition Hall

Student Visited KVK Exhibitbition Hall



Pulse Seed Production under Seed Hub Project



Frontline Demonstration of Oyster Mushroom



Frontline Demonstration of Vegetable Seedlings



Training Program under CFLD



Demonstration of NANO DAP



Demonstration of Poshan Vatika Kit under SCSP



Demonstration of Vegetable Seedling under SCSP



Extension Personnel Training



Sonpur Mela 2024



Technology Week 23-28 Sep, 2024



RY Training



RY Trainng on Banana Fiber Extraction



RY Training on Banana Processing under SCSP



Training on Natural Farming



RY Training on Millet Processing



Scientist Visit to Farmers Field under NARI Project



Scientist Visit to Farmers Field





Scientist Visit to Farmers Field Visit



Swachata He Sewa Campaign



Poshan Maah 2024



Student Visit to KVK Campus



Kisan Chaupal 2024

