

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

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, Munger P.O. Shankarpur, Distt. Munger – 811201, Bihar			mungerkvk@gmail.com mungerkvk2020@gmail.com

1.2. Name and address of host organization with phone, fax and e-mail

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Bihar Agricultural University Sabour (Bhagalpur), Bihar PIN Code – 813210			vcbausabour@gmail.com www.bausabour.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Sri Mukesh Kumar		9608658459	mungerkvk@gmail.com mungerkvk2020@gmail.com

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

Year of sanction of KVK : 1979
(Reference of Sanction Order) : 22(6) 79 Edn. 11 dated 23.04.1979.

1.5. Year of start of KVK : 08.04.1980

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	Vacant	-	-	-	-	-	-
2.	Subject Matter Specialist	Mukesh Kumar	SMS	Horticulture	110500 (GP-7000) Level-11	25.7.2001	Permanent	OBC
3.	Subject Matter Specialist	Er. Ashok Kumar	SMS	Agril. Engineering	101200 (GP 7000) Level-11	12.11.2007	Permanent	OBC
4.	Subject Matter Specialist	Dr. Bishnu Deo Singh	SMS	Agril Extension Education	110500 (GP 7000) Level-11	20.12.2007	Permanent	UR
5.	Subject Matter Specialist	Dr. Vinod kumar	SMS	Agronomy	77700 (GP 5400) Level-10	24.04.2012	Permanent	UR
6.	Subject Matter Specialist	Dr. Sujata Kumari	SMS	Home Science	56100 (GP 5400) Level-11	20.02.2024	Probation	SC
7.	Subject Matter Specialist	Smt. Smita Sinha	SMS	Soil Science	56100 (Gp 5400) Level-11	05.03.2024	Probation	OBC
8.	Programme Assistant	Sri Prahalad Kumar	Programme Assistant (LAB)	Programme Assistant (LAB)	50500 (GP 4200) Level-6	17.12.2012	Permanent	OBC
9.	Computer Programmer	Sri.Prem Chandra Maurya	Programme Assistant	Computer	49000 (GP 4200) Level-6	14.05.2013	Permanent	UR
10.	Farm Manager	Vacant	Vacant	Vacant				

11.	Accountant / Superintendent	Sri Kaushal Kishore Chaudhary	Assistant	Assistant	49000 (GP 4200) Level-6	12.04.2013	Permanent	OBC
12.	Stenographer	Sri Dharmendra Kumar	Stenographer	Stenographer	35300 (GP 2400) Level-4	02.07.2013	Permanent	UR
13.	Driver	Sri Sanjeev Kumar Singh	Driver	Driver	29300 (GP 2000) Level-3	11.05.2015	Permanent	OBC
14.	Driver	Sri Jitendra Kumar	Driver	Driver	29300 (GP 2000) Level-3	21.05.2015	Permanent	SC
15.	Supporting staff	Malti Devi	Messenger	Messenger	40600 (GP1900) Level-2	09.08.1991	Permanent	OBC
16.	Supporting staff	Vacant	Messenger	Vacant	-	-	-	-

1.6. Total land with KVK (in ha): **11.18**

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	0.65	KVK Admin & NARP Building, Kisan Hostel, Yantra Shed, Guest House, Residential quarter Seed processing unit and other buildings
2.	Under Demonstration Units	0.73	Polyhouse, Shednet house, Mushroom hut, Vermicompost unit, Poultry, goatry and cattle house
3.	Under Crops	6.00	Pigeonpea , mustard seed production, millet & other crop cafeteria, CRA Demonstration plot
4.	Orchard	0.40	Mango & litchi orchard
5.	Agro-forestry	0.60	Arjun, Sagwan, fodder & fruit plantlets nursery.
6.	Others with details	2.80	Road and farm pond (0.4 ha)
	Total	11.18	

**Total area should be matched with breakup*

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of building	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed	302.86	Use	ICAR
2.	Farmers Hostel					Completed	422.06	Use	ICAR
3.	Staff Quarters (6)					Completed	803.80	Use	ICAR
4.	Piggery unit								
5	Fencing					Partially Completed	735 m		ICAR
6	Rain Water harvesting structure (Farm pond)						10000	Not	Time to time renovate but feeder channel & command area for rain water harvesting is block
7	Threshing floor					Completed	325.22	Use	ICAR
8	Farm godown					Completed	91	Use	ICAR
9.	Dairy unit	To be repaired obsolete building of KVK for IFS Model III by DWP,BAU,Sabour							
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab						290		
13.	Mushroom production unit					300sq.f. Utilize in spawn & mushroom production			RKVY
14.	Shade house					Completed	300	Use	NHM
15.	Soil test Lab					Completed	23.73	Use	ICAR
16	Others, Please Specify								

17.	Hi- tech polyhouse				Completed	18.58	Use	NHM
18.	Vermin compost unit				Complete	800	Use	RKVY
19.	Research & demonstration unit				Complete	20000	Use	ITC &KVK Munger
20.	Yantra Shed				Completed	210	Use	CRAP

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero SLE M-II	28.03.2017	674301	15055	Serviceable
Tractor	13.01.2006	369722.00	218 hour	Serviceable under intensive repair
Motorcycle(BRO-8F9278)	28.10.2016	59600	503Km	Serviceable
Motorcycle(BRO-8H1343)	31.03.2016	59600	3028Km	Serviceable

C) Equipment & AV aids

a. Lab equipment

Water distillation unit	2006 received from DEE, RAU, Pusa	48000.00	Serviceable	ICAR
Stabilizer (1KVA)	Do	4000.00	Serviceable	ICAR
Electrical Balance with Accessories	Do	98000.00	Serviceable	ICAR
Physical Balance	Do	7345.00	Serviceable	ICAR
Electrical Conductivity Meter	Do	10170.00	Serviceable	ICAR
Horizontal Shaker (Motorized)	Do	25425.00	Serviceable	ICAR
Willey Mil Grinder	Do	25425.00	Serviceable	ICAR
Digestion and distillation system	Do	30510.00	Serviceable	ICAR
Digital PH Meter	Do	10170.00	Serviceable	ICAR
Spectro Photometer	Do	61080.00	Serviceable	ICAR
Hot Plate (Thermostat)	Do	90401.00	Serviceable	ICAR
Hot Air Oven	Do	15259.00	Serviceable	ICAR

b. Farm machinery

Mahasakti Tractor with Accessories	13.01.06	369722.00	Serviceable under intensive repair	ICAR
Generator (5 KVA) with Kirloskar diesel engine (8 HP)	April 06	Received from DEE RAU, Pusa, Samastipur	Serviceable	Do
Kirloskar Pumpset (8 HP)	April, 06	Do	Not Serviceable	Do
Tractor operated Multi Crop power thrasher (Harmba)	2010	85000/- Purchased by KVK from farm development	Serviceable	RAU, Pusa Farm Dev. Fund
Hand winnower	2010	5000.00 Purchased by KVK from farm development	Serviceable	Do
Motorized Mini Dal Mill	2012	Purchase by KVK, Munger under Post-	Serviceable	Post-harvest management

		harvest management CAE, RAU, Pusa Rs 45000		CAE, RAU, Pusa
Sprinkler set	10.08.2012	Rs. 47062.00 Purchased by KVK as DEE BAU Sabour order	Serviceable	KVK, ICAR
Tractor operated harrow Multicrop Thresher	25.10.2013	Rs. 99450.00 Purchased from Vikram farm machinery, BekapurMunger	Serviceable	KVK, ICAR
Self-propelled Reaper	3.12.2013	Rs. 95400.00 Purchased from Vikram farm machinery, BekapurMunger Under KVK's Fund	Serviceable	KVK, ICAR
c. AV Aids				
Digital Camera	31.03.07	14500.00	serviceable	ICAR
Soil Test Lab. Implements	13.02.06	322524.00	serviceable	Do
Computer	13.09.2000	95198.00	serviceable	Do
Godrej Chair (30)	23.11.2013	1142380.00	serviceable	Do
Godrej table (4)	23.11.2013	16337.00	serviceable	Do
Godrej Chair(12)	23.11.2013	83697.00	serviceable	Do
Godrej Chair (1)	23.11.2013	11937.00	serviceable	Do
Godrej Chair (5)	23.11.2013	17738.00	serviceable	Do
Godrej Table (1)	23.11.2013	17059.00	serviceable	Do
Godrej Table (large)	23.11.2013	40102.00	serviceable	Do
Godrej Almirah (7)	23.11.2013	105194.00	serviceable	Do
Godrej Chair	23.11.2013	3547.56	serviceable	Do
UPS	07.12.2013	5680.00	serviceable	Do
Steel bed.(29)	17.12.2013	97875.00	serviceable	Do
Plastic Chair & Table for Kisan Hostel	29.01.2014	27605.00	serviceable	Do
Plastic Chair training (30) & Table (5)	March 2017	84000.00	serviceable	Do
Soil Testing Kit STFR	Nov 2017	86000.00	serviceable	Do
Computer Chair(11pc)	30.3.2019	49500.00	serviceable	Do
Office Sofa 5 seater	30.03.2019	49000.00	serviceable	Do
Voltas A/C split 2tan	29.03.2019	49,999=00	serviceable	Gem portal
Steel Almirah 05 ps	30.04.2019	49,995=00	serviceable	Gem portal
Guard Stabilizer	22.05.2019	5500=00	serviceable	Gem portal
Iron office table 09 ps	22.10.2019	44,550=00	serviceable	Gem portal
Boss chair 02ps	09.11.2019	18,000=00	serviceable	Gem portal
Electronic weighing machine	March 2019	5456.00	serviceable	BSDM
HP inkjet printer	March 2019	11400.00	serviceable	Do
UPS luminous 600 VA	March 2019	2350.00	serviceable	Do
VOLTAS WATER COOLER	March 2019	25000.00	serviceable	BSDM
KENT RO FILER	March 2019	17995.00	serviceable	BSDM
Hp Desktop and Monitor	March 2019	37995.00	serviceable	BSDM
Excide Battery+ Invertor	March 2019	20600.00	serviceable	BSDM
Hand compressor sprayer	09.02.2019	6000.00	serviceable	BSDM
Channel rack 6 pcs	20.03.2019	21240.00	serviceable	BSDM
Alumimium Top 2pcs	23.11.2019	8812.00	serviceable	BSDM
Iron Cholni 1 pce	23.11.2019	265.00	serviceable	BSDM
Hp printer 1pce	05.03.2019	4661.00	serviceable	BSDM

Hp Desktop 1pce	05.03.2019	24538.00	serviceable	BSDM
Exide Battery 1pce	05.03.2019	12500.00	serviceable	BSDM
Micro teck Inverter 1pce	05.03.2019	4,600.00	serviceable	BSDM
Godreg Freeze 1pce	05.03.2019	23350.00	serviceable	BSDM
UPS 1 Pcs	05.03.2019	3898.00	serviceable	BSDM
Plastic chair 50 pes	29.03.2019	28600.00	serviceable	SCSP
Moving chair 4 PCs	29.03.2019	13600.00	serviceable	SCSP
Khetia 8 pcs	28.03.2019	42000.00	serviceable	SCSP
Trolley 2 wheel	23.3.2019	9000.00	serviceable	NHM
Battery operated sprayer 16Ltr.2pce	22.2.2019	6400.00	serviceable	NHM
Water can 10Ltr 2pcs	22.2.2019	800.00	serviceable	NHM
Seceteare (Regular) 3Pieces	22.2.2019	1125.00	serviceable	NHM
Secular Motar 3 Pieces	22.2.2019	1740.00	serviceable	NHM
Porlc Saw 2 Pieces	22.2.2019	1770.00	serviceable	NHM
Weeder 3 Pieces	22.2.2019	270.00	serviceable	NHM
Garden Hoe 1Pieces	22.2.2019	345.00	serviceable	NHM
Budding Knife 2Pieces	22.2.2019	560.00	serviceable	NHM
Sword 2 Pieces	22.2.2019	640.00	serviceable	NHM
Khurpe 3Pieces	22.2.2019	330.00	serviceable	NHM
Siccle 3 Pieces	22.2.2019	495.00	serviceable	NHM
Head shear 2 Pieces	22.2.2019	1350.00	serviceable	NHM
Drill Heok 1 Pieces	22.2.2019	440.00	serviceable	NHM
Hand Rake 2 Pieces	22.2.2019	460.00	serviceable	NHM
Bulb planter 3 Pieces	22.2.2019	645.00	serviceable	NHM
Hp Laptop i3	22.03.2021	46500.00	Serviceable	BSDM
HP Desktop	13.03.2024	70200	Serviceable	ICAR
HP Desktop & Hp printer MFP2606	30.03.2024	78220.00	Serviceable	COEVC
ACER laptop				RPL
Inverter and battery	30.03.2024	27500	Serviceable	COEVC

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
M.B. Plough	29.03.06	18700.00	Serviveable	ICAR
9 Tyne Cultivator	29.03.06	10500.0	Serviceable	Do
6 Tynes Zero Till Seed cum fertilizer dirll (2 Nos.)	2007	Received from DEE, RAU, Pusa	Serviceable	Do
Zero till seed cum fertilizer drill (9 tyne)	2011	Received from RKVY, RAU, Pusa	Non Serviceable	RKVY fund, RAU, Pusa
Rotavator (TD) (5' width)	2011	Received from RKVY, RAU, Pusa	Not Serviceable	Do
Power reaper (TD)	2011	Received from RKVY, RAU, Pusa	Serviceable	Do
Three bottom disk plough (TD)	2011	Received from RKVY, RAU, Pusa	Serviceable	Do
Nine tine zero till seed cum fertilizer drill		Received from CIAE, Bhopal, M.P under Mechanization	Serviceable	CIAE, Bhopal/ICAR
Rotavator	18.10.2013	Rs. 99500.00	Serviceable	KVK, ICAR

		Purchased from Vikram farm machinery, Bekapur Munger		
Conoweeder	2013	-	Serviceable	CAE, Pusa Samastipur
Drum Seeder	2013	-	Serviceable	CAE, Pusa Samastipur
Power operated Brush Cutter	18.10.2023	22420	Serviceable	BSDM
Seed processing plant	14.11.2018	909378.00	Serviceable	Seed Hub

1.8. Details SAC meeting* conducted in the year 2021

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
29.06.2024	45	08			

* Salient recommendation of SAC in bullet form
Attached in Annexure-II (Pg-141-143)

2. Priority thrust areas of KVKs

S. No	Thrust area
1.	Productivity enhancement in Rice-Wheat cropping system
2.	Natural Resource conservation and management
3.	Livestock production & management
4.	Watershed management& plantation of horticultural plants.
5.	Entrepreneurship development among farm women and rural youth
6.	Mechanization in Agril.

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

Sl. No.	Items	Information						
1	Major Farming system of the district	Paddy -Wheat, Maize wheat, paddy- wheat-moongbean cropping system						
2	One district one product (NITI Ayog)	Rice products (Kurkure murmure, poha thrust rice and other rice product)						
2	Agro-climatic Zone	<table> <tr> <th>S. No</th><th>Agro-climatic Zone</th><th>Characteristics</th></tr> <tr> <td>1</td><td>IIIA (Regional) Agro climatic situation - 04(National)</td><td>Sandy loam(Diara), clay loam (tal)& loamy soil (Hilly Plain)pH = 6.5 to 8, organic carbon = 0.5 to</td></tr> </table>	S. No	Agro-climatic Zone	Characteristics	1	IIIA (Regional) Agro climatic situation - 04(National)	Sandy loam(Diara), clay loam (tal)& loamy soil (Hilly Plain)pH = 6.5 to 8, organic carbon = 0.5 to
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				1% Available N:P:K (Kg/ha) = 200-400 N : 10 – 100 P : 150 – 300 K Average max. Temperature – 40°C Average low. Temperature – 7°C Average Relative humidity = 52% Average rain fall-1120mm, crop intensity 152%															
3	Agro ecological situation	<table><tr><th>S. No</th><th>Agro ecological situation(04)</th><th>Characteristics</th></tr><tr><td>1</td><td>Diara</td><td>Shallow tubewells have been dug & plastic casing or bamboo casing is used to lift ground water for irrigation. Flood prone area consists of sandy loam and sandy soil(entisols) having fertile alluvial soil for rabi crops. It is gangetaic plain area.</td></tr><tr><td>2</td><td>Tal</td><td>Tal soil (Vertisols) C- content good, Low content in P & K, PH – 6.7 to 7.3. Tal land remains fully submerge by water in kharif and only rabi crops have been cultivated as mono cropping system. Tal soil has high water holding capacity in micro pore space of clay black soil. It is suitable for pulse & oilseed crops.</td></tr><tr><td>3</td><td>Hilly Plain</td><td>Hilly plain red soil (Oxosoils), like Chhota Nagpur soil.pH 5.5 to 7.3 & oxisol has high infiltration rate of water and less water holding capacity, crops which require less water are cultivated in this hilly plain area. Most crops are grown in rainfed situation due to lack of deep tubewell</td></tr><tr><td>4</td><td>Hilly</td><td>Sloppy land (slope >1.5%) is found in hilly area in which paddy and other perennial fruit/forest crop are cultivated by deforming land with bench, bund and terracing method. Watershed management programmes have been conducted by Government & NGOs.</td></tr></table>	S. No	Agro ecological situation(04)	Characteristics	1	Diara	Shallow tubewells have been dug & plastic casing or bamboo casing is used to lift ground water for irrigation. Flood prone area consists of sandy loam and sandy soil(entisols) having fertile alluvial soil for rabi crops. It is gangetaic plain area.	2	Tal	Tal soil (Vertisols) C- content good, Low content in P & K, PH – 6.7 to 7.3. Tal land remains fully submerge by water in kharif and only rabi crops have been cultivated as mono cropping system. Tal soil has high water holding capacity in micro pore space of clay black soil. It is suitable for pulse & oilseed crops.	3	Hilly Plain	Hilly plain red soil (Oxosoils), like Chhota Nagpur soil.pH 5.5 to 7.3 & oxisol has high infiltration rate of water and less water holding capacity, crops which require less water are cultivated in this hilly plain area. Most crops are grown in rainfed situation due to lack of deep tubewell	4	Hilly	Sloppy land (slope >1.5%) is found in hilly area in which paddy and other perennial fruit/forest crop are cultivated by deforming land with bench, bund and terracing method. Watershed management programmes have been conducted by Government & NGOs.		
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4	Soil type	<table><tr><th>S. No</th><th>Soil type</th><th>Characteristics</th><th>Area in ha</th></tr><tr><td>1</td><td>Sandy loam</td><td>Diara land (Entisols) poor in C content, N & P low, highly alkaline, PH – 6.9 to 7.7</td><td>16030</td></tr><tr><td>2</td><td>Clay & clay loam</td><td>Tal soil (Vertisols) C- content low, Low content in P & K, PH – 6.7 to 7.3</td><td>5500</td></tr><tr><td>3</td><td>Loamy Soil</td><td>Hilly plain (Oxisols) soil, High infiltration rate, like Chhota Nagpur soil. pH 5.5 to 7.3</td><td>21200</td></tr></table>	S. No	Soil type	Characteristics	Area in ha	1	Sandy loam	Diara land (Entisols) poor in C content, N & P low, highly alkaline, PH – 6.9 to 7.7	16030	2	Clay & clay loam	Tal soil (Vertisols) C- content low, Low content in P & K, PH – 6.7 to 7.3	5500	3	Loamy Soil	Hilly plain (Oxisols) soil, High infiltration rate, like Chhota Nagpur soil. pH 5.5 to 7.3	21200	
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5. Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
1	Paddy	33500	820750	24.5
2.	Wheat	22100	530400	24
3.	Rabi Maize	7430	215470	29
	Kharif Maize	4100	94300	23
4.	Gram	5750	66125	11.5
5.	Lentil	9330	121290	13
6.	Pea	3020	34730	11.5
7.	Rai/Mustard	3420	47880	14
8.	Tisi (Line Seed)	85	637.5	7.5
9.	Sunflower	12	90	7.5
10.	Summer Paddy	0	0	0
11.	Summer Maize	120	4080	34
12.	Summer Moong (Moong bean)	210	2730	13
13.	Til	165	1237.5	7.5
14.	Babycorn	4	20	5
15.	Red Gram	382	5348	14
16.	Fruit	4658		
	i. Banana	34	13430	395
	ii. Citrus	389	38511	99
	iii. Guava	342	28728	84
	iv. Litchi	97	7469	77
	v. Mango	3730	309590	83
	vi. Papaya	25	12025	481
	vii. Ber	16	864	54
	viii. Aonla	25	350	14
17	Vegetables	5074		
	i. Brinjal	275	52250	190
	ii. Cabbage	88	19360	220
	iii. Cauliflower	690	143520	208
	iv. Okra	65	7150	110
	v. Onion	290	44950	155
	vi. Pea	1510	173650	115
	vii. Potato	355	72775	205
	viii. Sweet Potato	85	24650	290
	ix. Tomato	595	142800	240
	x. Carrot	7	630	90
	xi. Radish	125	18125	145
	xii. Cucumber	190	47500	250
	xiii. Capsicum	9	378	42
	xiv. Pointed Gourd	610	104920	172
	xv. Watermelon	140	29400	210
18	Flower	40	880	22
19	Mushroom	14540	18175	1.25 kg mushroom per kg straw
20	Aromatic Plants	90	5850	65 litre/ ha (mentha oil)
21	Medicinal Plant	295	19175	65
22	Spices	387	3289.5	8.5

6.. Weather data

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)
		Maximum	Minimum	
January 2024	5.4	24.2	7.3	48-99
February 2024	2.6	29.4	9.3	32-98
March 2024	45.6	37.2	14.2	27.98
April 2024	16.4	42.7	23.7	12-67
May 2024	28.5	42	22	14-93
June 2024	16.2	43	25	21-99
July 2024	268.9	37	26	52-99
August 2024	232.9	37	26	56-99
September 2024	292.4	25	36	54-98
October 2024	32.7	23	33	42-99
November 2024	5.7	16	34	37-100
December 2024	0.0	27	11	32-98
Cumulative rainfall	78.94			

7. Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
<i>Crossbred</i>	47500	760000	16Litre /day
<i>Indigenous</i>	59200	118400	2 Litre /day
Buffalo	62210	870940	14Litre / day
Draft Animal	4612	2306	0.5hp
Sheep	7060	49420	7kg wool/sheep
Goat 1	25400	177800	7 kg/goat meat
Pigs	7632	99216	13 kg/pig
Hens/Layer Broiler	70300	87875 kg meat +650400 eggs	1.25 kg/month/Hen/Broiler & average 8 eggs/ layer/ month
Hens/Layer	81300		
Duck	2005	2005Kg	1.0 kg/month
Fish	31	713	23 quintal/ha.

2.a-8 Details of Mechanization status (2024)

Sl. No.	Name of implement	No. of farm implements/machinery
1	Tractor	1652
2	Power tiller	579
3	Pumping sets(Diesel engine + centrifugal pump)	2710

4	Irrigation pipes (PVC)	55300
5	State tube well	37
6	Zero till seed cum fertilizer drill	210
7	Rotavator	445
8	Power thrasher	2570
9	Sprinkler set	590
10	Chaff cutter	2005
11	Combine harvester	14
12	Reaper	172
13	Mould board plough	2840
14	Harrow	2310
15	Cultivator	2405
16	Leveler	91
17	Sprayer	11200
18	Cono Weeder,	15510
	Power weeder	72
19	Dug well	1120
20	Bamboo boring	151
21	Total Irrigated Area – 26657.35 ha. (At present year only 7564 ha due to scarcity of rainfall.)	a. Canal = 19936 ha. b. Tube well = 412.5 ha. c. Pond – 258.9 ha d. Well -192 ha e. Other source = 5858.26 ha.
22.	Net sown area	66668 ha

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	Munger	Haveli Kharagpur	Harkunda	Paddy & wheat	Low productivity due to disease & pest occurrence high input cost, weed problem and poor water management	HYV, RCT & Irrigation water management
2	Munger	Asarganj	Chaurgaon	vegetable& Paddy cultivation	Low fertilizer use, low productivity, lackness of mechanization, poor water management& nursery management.	water management& fertilizer application methods .
3.	Munger	Asarganj	Lagma	Vegetable, paddy & wheat	Bad Irrigation practices & lack of processing & mechanization	Processing, irrigation management, mechanization & crop production.
4.	Munger	Jamalpur	Indrukh	Wheat, Maize & Moong	Poor water management low productivity with high inputs& lack of adoption of improved variety.	Line sowing high of high yielding variety of cereal crops
5.	Munger	Bariyarpur	Neerpur	Lentil,chickpea and mustard	low productivity with high inputs& lack of adoption of improved variety.	Line sowing high of high yielding variety of pulse & oilseed crops

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
Harkunda	Haveli Kharagpur	❖ OFT,Farmers training, gosthi, Field visit, Field day, awareness and kisan chaupal have been organized at Harkunda village. ❖ Provided different types of inputs (Seed, vegetable kits, sewing machine, basket, sprayerto villages rural farm woman for livelihood
Hasanpur	Sadar Munger	❖ OFT,Farmers training, gosthi, Field visit, Field day, awareness and kisan chaupal have been organized at Hasanpur village. ❖ Farmers of this village have also been sent to different Kisan gosthi, Kisan Mela and other workshop by scientist of KVK , Munger. ❖ Front Line Demonstration on mushroom production conducted by KVK,Munger ❖ Training of rural youth has been performed ❖ BAUNewsletter.KVK Munger newspaper & leaflets of different packages of practices(field crops, horticultural crops, nutritional gardening, conservation agriculture)have been distributed among the farmers of the Hasanpur Village.

Lagma	Asarganj	❖ Training, Kisan chaupal, & awareness programme have been conducted. Promotion of millet & vegetable cultivation have been conducted by KVK Munger in Lagma village under eradication of Mal Nutrition.
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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										
Tar get	Achiev ement	Tar get	Achievement									Tar get	Achiev ement	Tar get	Achievement									
			SC		ST		Othe rs		Total						SC		ST		Other s		Total			
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T	
10	12	91	9	7	0	0	8	1	9	1	1	18	22	49	3	8	1	1	3	4	4	1	5	
							1	2	0	9	0					2	3	5	7	0	7	0	8	9
											9													

Training											Extension activities													
Number of Courses		Number of Participants									Number of activities		Number of participants											
Targe t	Achiev ement	Tar get	Achievement									Targe t	Achiev ement	Targ et	Achievement									
			SC		ST		Oth ers		Total						SC		ST		Othe rs		Total			
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T	
184	214	55 50	1 7 0 8	8 8 3	2 8		9	2 5 1 9	1 4 3 9	4 2 5 5	2 3 3 1	6 5 8 6	20	24	1995 0	4 5 1 0	1 1 0 3	4 1 1 2	1 5 3	1 3 9 0 6	3 7 7 2 7	1 8 8 2 8	5 0 3 2 3	23 86 1

Impact of capacity building											Impact of Extension activities										
Number of Participants trained											Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)										
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)								
Targ et	Achievem ent	SC		ST		Other s		Total			Targ et	Achievem ent	SC		ST		Other s		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
350	406	6	2	1	0	1	2	2	4	2			4	3	0	0	1	2	1	5	2
						7		4		8							5		9		4

Seed production (q)					Planting material (in Lakh)				
Target (Crop and variety)	Achievement (q)				Sold (q)	Target (crop and variety)	Achievement		Sold (number)
Pigeonpea IPA203	40				44	Vegetable seedling fruit plantlet	0.21500		0.14200

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)			
Target	Achievement	Target	Achievement		
0	0	0.00500	0.00590		

* 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	3	3	24
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management	2	3	14
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management	1	3	7
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization			
18	Others			
	Total	6	3	45
B	Technologies assessed under various crops (Hort crops.)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management	1	3	10
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			

7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
	Total	1	3	10
C	Technologies assessed under livestock & Fisheries by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	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			
2	Entrepreneurship Development	1	3	7
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology (water management)	3	3	27
13	Value Addition			
14	Others			
	Total	4	3	34
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	1	3	20

2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	1	3	20

3.2.2 OFT – 2023-24 (1)

- **Thematic area:** INM
- **Problem definition/Name of OFT:** Assessment of Integration of fertilizer in different form on yield of lentil

1.	Title of On farm Trial (OFT)	Assessment of Integration of fertilizer in different form on yield of lentil
2.	Problem diagnosed	Injudicious use of chemical fertilizer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer Practice: Seed Treatment + RDF(25:40:0NPK kg/ha) Technological Option1:50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) Technological Option2: Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) (RDF, concerned SAU/ICAR recommendation)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	OFT finalization workshop, BAU, Sabour
5.	Production system and thematic area	Fallow/Rice- lentil cropping system and Integrated Nutrient management
6.	Performance of the Technology with performance indicators	Seed treatment with PSB + Rhizobium, 50% of RDF + WSF 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) yields maximum 14.6q/ha & B.C ratio (4.49)
7.	Final recommendation for micro level situation	Seed treatment with PSB + Rhizobium, 50% of RDF + WSF 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage) is recommended
8.	Constraints identified and feedback for research	Tedious work to evaluate bio fertilizer and not easily availability of water soluble fertilizer in local market.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT in training, Kisan gosthi & direct interaction with scientist of KVK.

Table: Effect of Integration of fertilizer in different form on yield of lentil during Rabi 2023-24

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					
INM	Farmer Practice: Seed Treatment + RDF(25:40:0NPK kg/ha)	02	02	10.1	23860	69024	41124	2.72
	Technological Option1:50% of RDF +WSF 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage)			12.3	20850	83831	58091	3.75
	Technological Option2: Seed treatment with PSB + Rhizobium, 50% of RDF + WSF 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage)			14.6	21120	99273	72863	4.49

Results: The table shows that T3 is the best in terms of yield(14.6 q/ha)as well as BC ratio (4.49) followed byT2&T1. respectively.

OFT- 2 (2023-24)

Thematic area: Crop diversification.

Problem definition/Name of OFT: Assessment of diversification of rice-based cropping system with other cropping systems

1.	Title of On farm Trial	Assessment of diversification of rice-based cropping system with other cropping systems
2.	Problem Diagnosed:	low profitability of existing cropping system
3.	Technological Options: Technology Details	Farmer Practice: Rice – Wheat (prominent cropping system of district) Technological Option1: Rice- Maize + Potato Technological Option2: Rice-Maize + Vegetable Pea Technological Option3: Rice-wheat –Green gram.
4.	Source of Technology	OFT finalization workshop, BAU, Sabour
5.	Production system and thematic area	Rice- wheat cropping system and Crop diversification.
6.	Performance of the Technology with performance indicators	Rice- Maize + Potato cropping system yields maximum B-C ration (3.42)
7.	Final recommendation for micro level situation	Rice- Maize + Potato cropping system is final recommendation . Cropping system in this region on the basis of result of conducted OFT.
8.	Constraints identified and feedback for research	Topographic & agro situation(Diara, Tal , hilly) soil having different cropping systems
9.	Process of farmers participation and their reaction	Direct interaction with farmers in kisan gosthi, training programmes to conduct OFT, They have expressed their zeal to adopt Rice- Maize + Potato cropping system for more profitability.

Table: cost economics of Diversification of rice-based cropping systems with other cropping system

Thematic Area	Technology options with detailed treatments	Area		Inter Cropping Yield(q/ha)			System Gross Yield (q/ha)	System Cost of cultivation(Rs./ha)	System Gross return (Rs/ha)	System Net return(Rs /ha)	System BC ratio
		Proposed (ha)	Actual (ha)	Maize	Potato	Vegetable Pea					
crop diversification	Farmer Practice: Rice – Wheat (prominent cropping system of district)	1.4	1.4	-	-	-	77.1	87640	169170	81490	1.93
	Technological Option1: Rice- Maize + Potato			86.3	264.5	-	392.4	144680	485375	340695	3.36
	Technological Option2: Rice-Maize + Vegetable Pea			87.2	-	68.7	198.7	139220	457460	318240	3.29
	Technological Option3: Rice-wheat –Green gram.			-	-	-	95.2	99440	241480	142040	2.43

Results: Technological Option1 (**Rice- Maize + Potato**) was obtained highest System yield 392.4 q/ha,BC Ratio (3.36), Net return (Rs.340695 /ha) and Gross Return (Rs.485375 /ha) followed by TO2(**Rice-Maize + Vegetable Pea**), TO3 (Rice-wheat–Green gram)& FP (Rice – Wheat)respectively.

OFT- 3 (2024-25)

- **Thematic area:** Resource Conservation Technology

Problem definition/Name of OFT: Assessment of suitable resource conservation technology in rice-lentil cropping system

1.	Title of On farm Trial (OFT)	Assessment of suitable resource conservation technology in rice-lentil cropping system
2.	Problem diagnosed	Low yield and profitability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer Practice: Rice-lentil cropping system with conventional sowing method Technological Option1: Zero Tillage DSR +75% RDF + (Brown manuring) + one spray of 18:18:18 NPK WSF @ 20 g/liter at pre flowering stage of lentil Technological Option2: Raised bed DSR +75% RDF + (Brown manuring) + one spray of 18:18:18 NPK WSF@ 20 g/liter at pre flowering stage and vegetative growth stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour
5.	Production system and thematic area	Rice-Lentil, RCT
6.	Performance of the Technology with performance indicators	Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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					
RCT	Farmer Practice: Rice-lentil cropping system with conventional sowing method	02	02	Result awaited				
	Technological Option1: Zero Tillage DSR +75% RDF + (Brown manuring) + one spray of 18:18:18 NPK WSF @ 20 g/liter at pre flowering stage of lentil							
	Technological Option2: Raised bed DSR +75% RDF + (Brown manuring) + one spray of 18:18:18 NPK WSF@ 20 g/liter at pre flowering stage and vegetative growth stage							

OFT- 4 (2024-25)

- **Thematic area: Weed Management**

Problem definition/Name of OFT: Assessment of different methods of weed management in chickpea

1.	Title of On farm Trial (OFT)	Assessment of weed management in chickpea
2.	Problem diagnosed	Low yield due to heavy infestation of weeds
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice: Hand weeding /uprooting weeds at 25-30 DAS Technology Option 1: Spray of Pendimethalin @1.0 kg a.i. / ha as pre emergence(2-3 DAS) Technology Option 2: Spray of Imazethapyr 10% SL@ 30g a.i. / ha (post emergence25-30 DAS) Technology Option 3: Spray of Topramezone 33.6% SC@ 30g a.i. / ha (post emergence25-30 DAS)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour
5.	Production system and thematic area	Rainfed and weed Management
6.	Performance of the Technology with performance indicators	Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Weed Management	Farmers Practice: Hand weeding /uprooting weeds at 25-30 DAS	1	1	Awaited				
	Technology Option 1: Spray of Pendimethalin @1.0 kg a.i. / ha as pre emergence(2-3 DAS)							
	Technology Option 2: Spray of Imazethapyr 10% SL@ 30g a.i. / ha (post emergence25-30 DAS							
	Technology Option 3: Spray of Topramezone33.6% SC@ 30g a.i. / ha (post emergence25-30 DAS)							

OFT-5 2024-25

- **Thematic area:** Drudgery Reduction

Problem definition/Name of OFT:Assessment of effectiveness of manual vegetable harvester

1.	Title of On farm Trial (OFT)	Assessment of effectiveness of manual vegetable harvester
2.	Problem diagnosed	Plucking / picking of vegetable crops cause more drudgery with cuts, rashes on hand and ultimately causes irritation , allergies and black patches on hand.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmer practice : Manually Plucking Technical option1 : Silicon based vegetable cutter / plucker Technical option2 : Silicon based vegetable cutter with hand gloves
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	PAU, Ludhiana, Punjab
5.	Production system and thematic area	Drudgery Reduction
6.	Performance of the Technology with performance indicators	Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Drudgery Reduction	Farmer practice : Manually Plucking	20	20	Result awaited				
	Technical option1 : Silicon based vegetable cutter / plucker							
	Technical option2 : Silicon based vegetable cutter with hand gloves							

OFT-6 2024-25

- **Thematic area: Nutrient Management**
- **Problem definition/Name of OFT:** Assessment of suitable dose of nano phosphorus in rice-wheat cropping system

1.	Title of On farm Trial (OFT)	Assessment of suitable dose of nano phosphorus in rice-wheat cropping system
2.	Problem diagnosed	Low yield and high cost of cultivation with applying more quantity of phosphorus in soil application
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technical option 1 : 120:50:20 NPK/ha (Farmer's practice) Technical option 2 : 50% RDP + seedling/seed treatment with nano DAP WSF @5 ml/kg seed + 100% NK + Spary of Nano DAP WSF@4 ml/l at tillering and panicle initiation stage Technical option 3 : 75% RDP + seedling/seed treatment with nano DAP WSF@5 ml/kg seed + 100% NK + spray of Nano DAP@4 ml/l at tillering and panicle initiation stage
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER, Patna (2021)
5.	Production system and thematic area	Irrigated & Nutrient Management
6.	Performance of the Technology with performance indicators	Awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Nutrient Management	Technical option 1 : 120:50:20 NPK/ha (Farmer’s practice)	2.5	2.5	Result awaited				
	Technical option 2 : 50% RDP + seedling/seed treatment with nano DAP WSF @5 ml/kg seed + 100% NK + Spary of Nano DAP WSF@4 ml/l at tillering and panicle initiation stage							
	Technical option 3 : 75% RDP + seedling/seed treatment with nano DAP WSF@5 ml/kg seed + 100% NK + spray of Nano DAP@4 ml/l at tillering and panicle initiation stage							

OFT-7 2024-25

- **Thematic area: Water Management**
- **Problem definition/Name of OFT:**

1.	Title of On farm Trial	Assessment of different types of low cost mulching in vegetable production
2.	Problem Diagnosed:	Low yield of vegetable with deteriorated quality by applying more quantity of water& agril. inputs
3.	Technological Options: Technology Details	Farmer practice : No mulch Technical option1 : Mulching with banana dry leaf Technical option2 : Mulching with crop residue (husk, Straw, dry leaves or Stem)
4.	Source of Technology	AICRP on water management, State agril. university, Mojerla, Telangana /)/ OFT finalization at DRPCAUI, Pusa
5.	Production system and thematic area	Irrigated ,Water management (Agril. Engg.)
6.	Performance of the Technology with performance indicators	Mulching with crop residue/ wheat husk yielded max. yield (465 q/ha) of vegetable with more Water saving (10.16%), maximum water use efficiency (1.07 q/ha-m.m) and B:C ratio (1.86)
7.	Final recommendation for micro level situation	Mulching with low cost crop residue.
8.	Constraints identified and feedback for research	Application of depth of mulch, less weeds control and takes more time for decomposition of crop residue.
9.	Process of farmers participation and their reaction	Farmers are motivated to conduct OFT in training, Kisan gosthi & direct interaction with scientist of KVK. They have expressed their will to follow up crop residue mulch in garma vegetable to save water and other agril. inputs for fetching higher vegetable yields.

Cost economics of different technological options of different mulching in bottle guard production.

Thematic area	Technology options with detailed treatments	Area(ha)		Yield (q/ha)	Cost cultivation(Rs./ha)	Gross return (Rs/ha)	Net return(Rs./ha)	BC ratio
		Proposed	Proposed					
Water management	FP: No mulch	0.5	0.5	405	205000	324000	119000	1.58
	TO1: Mulching with banana dry leaf			440	192340	352000	159660	1.83
	TO2: Mulching with crop residue (husk, Straw, dry leaves or Stem)			460	195400	368000	172600	1.88

Effect of low cost organic mulching on soil fertility

Technological option	No. of trials	Soil Type		EC		PH		OC(%)		N(kg/Ha)		P(kg/Ha)		K(kg/Ha)	
		Before	After	Before	After	Before	After	Before	After	Before	After	Before	After	Before	After
Farmer practice	09	Alkaline	Alkaline	0.274	0.275	7.4	7.5	0.394	0.401	220.56	221.2	57.33	57.8	137.37	138.3
Tech Option - 1		Alkaline	Alkaline	0.274	0.265	7.4	7.3	0.394	0.416	220.56	222.6	57.33	58.3	137.37	143.8
Tech Option - 2		Alkaline	Alkaline	0.274	0.262	7.4	7.1	0.394	0.421	220.56	224.3	57.33	59.4	137.37	139.4

Results: The data pertaining in tables reveal that Technological option 2 (Mulching with crop residue, wheat husk) was found the best T.O. in terms of max. yield (460 q/ha), water use efficiency (1.07 q/ha-cm), and B:C ratio (1.88) followed by T.O.1 and F.P. respectively. Flower initiation & fruit maturity takes less time in TO1 followed by TO2 & FP respectively. Moisture conservation & suitable temperature for plant growth is observed in rhizosphere in mulching with wheat husk T.O.2. On the basis of soil testing, more carbon content is increased in TO-2 and More moisture content is also found maximum in TO2. Maximum increased in Potassium content is found in TO1 & more weed control is also found in TO1 followed by TO2 & FP respectively.

OFT-8 2024-25

- **Thematic area: Water Management**
- **Problem definition/Name of OFT:**

1.	Title of On farm Trial (OFT)	Assessment of different drainage periods at different stages of paddy
2.	Problem diagnosed	Low yield with deteriorated quality due to worse water management
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O.1: No drainage (FP) T.O.2: 7 days drainage period after tillering stage T.O.3 : 5 days drainage period after tillering stage and 7 days drainage period before harvesting.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Annual 2023 on AICRP water management , DRPCA, Pusa
5.	Production system and thematic area	Irrigated and water management
6.	Performance of the Technology with performance indicators	Quantity of water applied, water use efficiency, no. of tillers per plant and yield
7.	Final recommendation for micro level situation	5 days drainage period after tillering and 7 days drainage period before harvesting has been recommended for paddy cultivation on the basis of OFT conducted.
8.	Constraints identified and feedback for research	Tedious work to determine soil moisture, emission of green house gases (N ₂ O, CH ₄) and degree of pest infestation after drainage period
9.	Process of farmers participation and their reaction	Farmers has been motivated to conduct OFT by facial interaction. They are also acknowledged in training/ awareness programme with importance of drainage in paddy cultivation. They have reacted to drain standing water from paddy field for fetching higher yield with best quality.

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					
water management	T.O.1: No drainage (FP)	2.25	2.25	34.2	38200	84300	46100	2.21
	T.O.2: 7 days drainage period after tillering stage			39.3	38200	92500	54300	2.42
	T.O.3 : 5 days drainage period after tillering stage and 7 days drainage period before harvesting.			44.5	38200	106800	68600	2.80

Result : T.O.3(5 days drainage period after tillering stage and 7 days drainage period before harvesting.) is found the best T.O. in terms of maximum yield(44.5 q/ha), maximum water use efficiency (0.3 q/ha-cm) , net income (Rs 68600/ha) and BC ratio (2.80) followed by T.o.2 and T.O.1 respectively. Less emission of N₂O, CH₄ with less infestation of root or sheith blight were found in TO3 in comparison to TO2 & TO1 (FP) respectively.

OFT-9 2024-25

- **Thematic area: Water Management**
- **Problem definition/Name of OFT:**

1.	Title of On farm Trial (OFT)	Assessment of different irrigation methods in wheat cultivation
2.	Problem diagnosed	Low yield with deteriorated quality with application of more quantity of irrigation water
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O.1: Boarder irrigation (FP) T.O.2: Broad bed furrow irrigation T.O.3 : mini sprinkler irrigation
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	AICRP on water management ,DRPCA, PUSA
5.	Production system and thematic area	Irrigated and water management
6.	Performance of the Technology with performance indicators	Result awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Water Management	T.O.1: Boarder irrigation (FP)	2.25	2.25	awaited				
1.	Title of On farm Trial T.O.2: Broad bed furrow irrigation		Assessment of fruit bagging in Guava for quality improvement.					
2.	Problem diagnosed : mini T.O.3		More insect infestation deteriorates fruit quality					
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)		Farmers Practice – No bagging T.O.1– Cellophane bag cover T.O.2– Paper bagging					
4.	Source of Technology (ICAR/	University of Agriculture science Dharwad						

*Conducted on 9 Farmer’s

***Conducted on 9 Farmer's**

field.

OFT-10
2024-25

• **T**
hematic
area: Pest
manageme
nt

• **P**
roblem
definition/
Name of
OFT:

Assessmen
t of fruit
bagging in

	AICRP/SAU/other, please specify)	
5.	Production system and thematic area	Paddy -wheat production system, Pest management
6.	Performance of the Technology with performance indicators	Result awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Guava for quality improvement.

Table: Assessment of fruit bagging in Guava for quality improvement.

Thematic Area	Technology with treatments	options detailed	Area(ha)		Yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio	
			Proposed	Actual	(q/ha)					
Pest management	Farmers Practice – No bagging		2	2	Result awaited					
	T.O.1– Cellophane bag cover									
	T.O.2– Paper bagging									

OFT-11 2024-25

- **Thematic area: Technology diversification**
- **Problem definition/Name of OFT:** Impact Assessment of ZTD techniques on cost and yield of potato

1.	Title of On farm Trial (OFT)	Impact Assessment of ZTD techniques on cost and yield of potato
2.	Problem diagnosed	Lack of awareness of ZT sowing method of Potato
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O.1- Raise bed sowing method of potato. (FP) T.O.2-Ploughing of field followed by zero tillage sowing method of potato T.O.3- Zero tillage sowing method of Potato
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour, Bhagalpur
5.	Production system and thematic area	Irrigated and Technology diversification
6.	Performance of the Technology with performance indicators	Result awaited
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	

9.	Process of farmers participation and their reaction	
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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					
Technology diversification	T.O.1- Raise bed sowing method of potato. (FP)	0.25	0.25	Result awaited				
	T.O.2-Ploughing of field followed by zero tillage sowing method of potato							
	T.O.3- Zero tillage sowing method of Potato							

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	12	41.9	304	25.7	22.3
2.	Oil Seed					
3.	Pulses	2	3	35	awaited	awaited
4.	Horticulture Crops	1	0.016	10	120	95
5.	Other crops					
6.	Hybrid crop					
7.	Livestock					
8.	Fisheries					
9.	Other enterprises	2	9.4	23	69	55
10.	Women empowerment	1		75	awaited	awaited
11.	Farm Machinery (ZTT,RBP, Sprayer, Reaper)	4	64	143	36	28
	Grand Total	22	118.32	590		

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
Paddy	Water management	Irrigation applied at different critical stages of paddy	12	5	69	55	25.45	50560	161800	111240	3.2	47960	129500	81540	2.70
Maize	Water Management (agril engg)	Irrigation applied at 0.9 CPE	11	4.4	75	56	33.92	57400	155000	97600	2.70	59200	117300	58100	1.98

Paddy	Soil fertility Management	Phosphate Solubilising Bacteria (PSB) Biofertilizer	16	4	38.2	36.1	5.81	40010	80910	40900	2.02	38992	76150	37158	1.95
Wheat	INM	Use of Nano Urea in Wheat	16	4	Awaited										
Broccoli	Vegetable cultivation	Destiny	10	0.016	120	95	26.3	75000	240000	165000	3.2	70000	190000	120000	2.71
Wheat fortified	Cropping System	BHU31	20	2	36.2	29.6	18.23	38400	92310	53910	2.4	35650	75480	39830	2.11
Sorghum	Cropping System	CSV-32	40	2	28.2	23.5	20.0	28120	78500	43380	2.51	24960	58750	28790	1.96
Bajra	Cropping System	Multicut	27	8	25.7	22.3	15.2	27110	29390	42280	2.56	28990	60210	31220	2.07
Foxtail millet	Cropping System	SIA -3156	11	0.40	9.9	8.1	22.2	20160	27620	17460	1.86	21580	29640	7960	1.37
Finger millet	Cropping System	Vankula	22	2	2.61	22.7	16.7	26120	73080	46960	2.79	7960	63560	35600	2.27
Finger millet	Cropping System	GPU 28	26	2	24.3	21.6	12.5	26640	68040	41400	2.55	27860	60480	32620	2.17
Finger millet(SCSP)	Cropping System	GPU 28	15	6	24.4	19.8	23.6	40680	63631	22951	2.36	24413	51584	27171	2.11
Pigeopea	Cropping System	IPA203	10	1	Result awaited										
Paddy	Cropping System	DRR Dhan 69	40	4	31.4	28.1	11.7	36360	71230	34870	1.96	39760	62795	23035	1.58
Paddy	Cropping System	CR Dhan 315	44	4.5	32.2	28.7	12.2	35720	72790	37070	2.04	39820	63965	24145	1.61
Wheat	Cropping System	BHU31	27	3	Result awaited										
Lentil	Cropping System	IPL220	25	2	Result awaited										

CRA RABI 2023-24															
Wheat	Sown by ZT	HD 2967	150	60	46.3	36.577	26.58	38180	130610	92430	2.42	45240	102705	57465	1.27
Wheat	Sown by ZT	DBW 187	100	40	44.8	36.288	23.46	38410	125965	87555	2.28	44610	101224	56614	1.27
Wheat	Sown by ZT	DBW 303	50	20	43.1	35.2	22.44	38280	121025	82745	2.16	43950	98116	54166	1.23
Wheat	Sown by ZT	Sabour Samridhi	100	40	43.6	35.752	21.95	38770	122620	83850	2.16	44360	98405	54045	1.22
Mustard	Sown by ZT	RH 749	39	15.4	11.2	9.072	23.46	18920	71610	52690	2.78	22130	58070	35940	1.62
Mustard	Sown by ZT	Pusa Gold	36	14.2	12.6	10.206	23.46	18520	78925	60405	3.26	21780	63849	42069	1.93
Lentil	Sown by ZT	IPL 316	69	27.6	11.8	9.794	20.48	19160	79270	60110	3.14	22540	65209	42669	1.89
Chick pea	Sown by ZT	Sabour Chana 1	54	21.4	12.4	9.92	25	20900	80880	59980	2.87	25300	64582	39282	1.55
Potato	Sown by RBP	Kufari Khaiti	1	0.2	239.4	191.5	25.01	88580	179550	90970	1.03	95140	143625	48485	0.51
Potato	Sown by RBP	Bari Aalu	3	1	253.6	205.3	23.53	87450	190200	102750	1.17	95100	153975	58875	0.62
Maize	Sown by RBP	DKC 9081	14	5.4	89.6	76.7	14.4	47980	187264	139284	3.90	55410	160303	104893	2.89
Maize	Sown by RBP	P 3355	10	4	84.1	75.2	10.58	47660	175769	128109	3.68	54990	157168	102178	2.86
Mungbean	Sown by ZT	VIRAT	31	12	11	8.3	25.0	17850	82500	64650	4.1	20225	62250	42025	2.9
Mungbean	Sown by ZT	Shikha	79	35	8	6.1	19.4	16320	60000	43680	3.2	18450	45750	27300	2.4
Mungbean	Sown by ZT	Samrat	105	38	8.3	6.4	20.3	16400	62250	45850	3.3	18860	48000	29140	2.4
Mungbean	Sown by ZT	MH421	36	14	8.25	6.6	16.2	16100	61875	45775	3.4	18370	49500	31130	2.6
Sunflower	Sown by ZT	PAC334	7	1	12.4	9.7	25.3	22290	89280	66990	3.9	24620	69840	45220	2.8

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
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

[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]

[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**

8. Fisheries

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

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

** BCR= GROSS RETURN/GROSS COST

9. Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others(pl.specify)																
Total																

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

** BCR= GROSS RETURN/GROSS COST

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Observations		No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden	No- 19 Other no.-24	Nutri- garden	Farmers used to grow limited vegetables in small quantity and did not know the concept of Nutri-garden	After demonstration of vegetables kit (seed) and seedling farmers grow vegetable and fruit of every season. Farmers also developed nutria- garden in their areas	75

Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total	24	0			75

11. Farm implements and machinery

[illegible]

Irrigation management tools and machineries										
Plant protection tools and machineries	6	Tractor operated boom sprayer	Redgram, wheat, Mango, mustard	6	7	65 % saving of labour and 72 % time saving in comparison to traditional spraying	Low yield with high input	3-4man days	8-12 man days/ha	Rs. 2400-3000/ha
Harvesting tools and machineries	8	Reaper	Wheat, paddy	8	9	80 % saving of labour & 75 % time saving in comparison to traditional harvesting	high yield with less scattering loss	2-4 man days less	32-36 man days/ha	Rs. 7000-7500/ha
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others		Six types of farm machinery		143	64					

* 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	31.01.2024,01.02.2024,13.02.2024,05.03.2024,06.03.2024,07.03.2024,20.03.2024,31.03.2024,06.04.2024,25.04.2024,02.05.2024,07.05.2024,04.11.2024,15.11.2024,20.11.2024,27.11.2024	16	412	At three stages(sowing, vegetative growth & harvesting) of crops
2.	Farmers Training	02.01.2024,03.01.2024,19.01.2024,31.01.2024,13.02.2024,21.02.2024,23.02.2024,06.03.2024,07.03.2024,18.03.2024,05.4.2024,06.04.2024,	22	598	

		25.04.2024,02.05.2024,04.05.2024,07.05.2024, 12.07.2024,24.07.2024,25.09.2024,07.10.2024, 12.11.2024, 30.11.2024			
3.	Media coverage	8	8	mass	
4.	Training for extension functionaries	07.12.2024 , 04.12.2024, 22.10.2024, 15.11.2024	4	122	

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1.	Arhar-IPA-203	This HYV redgram has produce more no. of branches and pods along with resistant to wilt and yellow mosaic.
2.	Lentil-IPL220	Good yield potential bio-fortified, resistant to wilt
3.	Sabour chana-1	Bold seeded, good yield potential and resistant to wilt
4.	Sabour Tisi-1	Bold seeded, suitable for rainfed situation, good yield potential
5.	Mustard-RH725	Bold seeded, suitable for rainfed situation, high yield potential, more no. of siliqua, good oil content.
6.	Wheat-BHU-31	Good yield potential, bio-fortified and timely sown, irrigated situation
7.	Seed treatment(Biofertilizer, insecticide & fungicides)	It is cost effective technology. The fungicide. Trichoderma liquid biofertiliser& insecticide should be easily available. It is applicable for all crops, so the people should be trained by this technology.
8.	Irrigation application in rabi maize	Irrigation applied at 0.9 CPE in rabi maize at its different critical stages .It saves 20-22% & yields more
9.	Farm Machinery	Zero tillage machine, Rotavator, paddy seeder , RBP, Boom Sprayer& self propelled reaper have proved excellent farm machineries to perform agricultural woks in less time with low cost efficiency. The L.D.P.E. pipe proved as useful pipes for small farmer to irrigate their field efficiently without conveyance loss of irrigation water.
10.	Improved variety of different crops	The Improved variety of Paddy, Wheat, Mustard, Chickpea, lentil & mungbean should be available in

		local basis.
11.	Direct Seeded Rice	It is the best technology to reduce cost of cultivation in paddy cultivation & maximum utilization of rainfall water in paddy cultivation. There is serious weeds problem in direct seeded rice.
12.	Finger millet (BAKULA)	Finger Millets are recommended in upland area and in drought situation for eradication of Mal Nutrition.
13.	Bajara(AJIT42)	Pearl Millets are recommended in upland area and in drought situation for eradication of Mal Nutrition.
14.	Nutrient management in Lentil	NPK applied 18:18:18 at pre flowering to enhance pollen grain setting and pod development & mitigate terminal heat
15.	Cultivation of bio fortified wheat & paddy	Bio- fortified wheat & paddy is suitable for this region to mitigate mal nutrition.
16.	Application of irrigation at different critical stages of paddy	It saves water and yield more with best quality.

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)
(During Kharif 2023, Rabi 2023-24 and Summer 2024)

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 23-24	Lentil	20	63	IPL220 + Tricho + Rhizo+PSB	Broad casting& Arun	11.2	12.7	17.1	14.9	1080	1001	2000	38(more)	48.9(more)	25.5(less)
2	Rabi 23-24	Mustard	60	173	RH 725+ Azoto + PSB+S	Broad casting& Local rai	10.4	12.3	22.5	17.4	1040	1190	2500	67.3(more)	46.2(more)	30.4(less)
3	„	Linseed	20	63	Sabour Tisi 1 + Azoto + PSB	Broad casting&Local Chikna	6.7	7.5	10.1	8.8	640	850	1100	37.5(more)	3.5(more)	20(less)

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.	IPL220 + Tricho + Rhizo+PSB	26720	72960	46240	2.73	24680	101120	76440	4.09	30200
2	RH 725+ Azoto + PSB+S	26120	75710	49560	2.89	24210	98875	74665	4.08	24905
3	Sabour Tisi 1 + Azoto + PSB	19860	37950	18090	1.91	17800	50050	32230	2.81	14140

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	596	476	63	40	80	child health & education	31
2	Mustard	696	621	56	10	65	Family member health and recreation	33
3	Linseed	352	292	50	20	40	House repairing, and recreation	29

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	IPL220 + Tricho	Mono-	Farmers have	Low cost and	Crop	All group of		Farmers are needed to

	+ Rhizo+PSB	cropping rainfed area	been trained to do seed treatment and use of bio fertilizer application	early adoptability	suffers soil moisture Scarcity and resulted wilt problem and poor yield	farmers		high yielding potential variety and adoptable to aberrant weather condition
2	RH 725+ Azoto + PSB + S	Paddy –mustard cropping system	Farmers are trained to sown proper package of practices in INM	Low-cost technology and early adoptability	medium duration& incidence of aphid in late sown mustard and resulted poor yield	All group yes		Farmers are required to grow dwarf height more No. of Siliqua, and high oil content
3	Sabour Tisi 1 + Azoto + PSB	Paddy - linseed Cropping System	Farmers are trained to Seed treatment of bio fertilizer package of practices	Low cost technology and early adoptability	Delay sown has often poor yield	Yes		Farmers are preferred high yield potential variety and rainfed situation

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Suitable for normal sowing in rainfed area moderate growth habits and good yield potential (20q /ha), bold seeded and resistant to rust and wilt diseases	Higher growth and yield (14.9 q/ha) and yield attributing character with IPL 220+ seed treatment of Trichoderma+ and application of Rhizobium (5 ml/kg) + PSB (5 ml/kg)	Higher growth and yield (14.9q/ha) and yield attributing character with IPL 220+ seed treatment of Trichoderma+ and application of Rhizobium (5 ml/kg) + PSB (5 ml/kg) over local check (11.2 q/ha).	Farmers are required to early maturing and high yielding variety and resistant to wilt, and insects and resistant to abiotic stress
Medium growth habits of R H 725 more suitable in irrigated and diarasituation bold seeded and higher yield potential (25q/ha)	Higher growth, yield (17.2 q/ha) and yield attributing character with RH 725+ seed treatment of Azotobacter (5 ml/kg) + PSB (5 ml/kg) + Sulphur 20 kg/ha	Highest yield (17.2 q/ha) and yield attributing character was recorded with RH 725+ seed treatment of Azotobacter (5 ml/kg) + PSB (5 ml/kg) + Sulphur 20 kg/ha over local check (10.8q/ha).	Farmers are needed to dwarf growth habits, more branching, pod formation and high yield and oil content.
Short plant height, suitable for rainfed area and have good yield potential (11.q/ha)	Higher growth, yield (8.8q/ha) and yield attributing character with Sabour Tisi 1 and seed treatment of Azotobacter (5 ml/kg) + PSB (5 ml/kg)	Highest yield (8.8q/ha) and yield attributing character was recorded with Sabour Tisi 1 seed treatment of Azotobacter (5 ml/kg) + PSB (5 ml/kg) over local check (7.8q/ha).	Farmers are needed to dwarf growth habits, uniform flowering pod formation and high yield

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Scientific cultivation of Mustard, INM in mustard, IPM in mustard	3/11/23 & 1/02/24, 29/11/24	84
2	Scientific cultivation of Linseed	30/11/23 & 6/ 012/24	26
3	Farmers field day on Mustard at Neerpur & Badi govindpur	07/03/24, 6/03/24	106
4	Farmers field day on Linseed at Prasando & Badi Govindpur	13/03/24 & 21/03/24	81

5	Monitoring of CFLD Mustard and Linseed	30/11/23, 07/01/24, 9/02/24, 06/03/24, 7/03/24,13/03/24 21/03/24, 07/12/24	128
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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	Budgetallotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input	164000			164300	
	ii) TA/DA/POL etc. for monitoring	16000			15627	
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total	180000			179927	
Mustard	i) Critical input	334000		139390	320908	
	ii) TA/DA/POL etc. for monitoring	36000			31432	
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total	360000			352344	
Linseed	i) Critical input	90000		27410	81740	
	ii) TA/DA/POL etc. for monitoring	10000			8103	
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
	Total	100000			89843	

PERFORMANCE OF THE DEMONSTRATION UNDER CFLD ON PULSE AND OILSEED CROPS (CFLD)
(During Kharif 2024, Rabi 2024-25)

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 2024-25	Lentil (model pulse)	60.4	151	IPL220 + carbendazim + Rhizo +PSB	Broad casting& Arun										
		Lentil(model pulse)	49.6	124	Pusa AgetiMasor+ carbendazim + Rhizo +PSB	Broad casting& Arun		Result awaited								
2	Rabi 2024-25	Mustard	220	570	RH 725+ Azoto + PSB+S	Broad casting& Local rai		Result awaited								
3	Rabi 2024-25	Linseed	40	186	Sabour Tisi 1 + Azoto + PSB	Broad casting& Local Chikna		Result awaited								

Budget utilization 2024-25

Crop (Provide crop wise information)	Items	Budget allotted(Rs.)	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input	2700000	110 ha	758750	623400	
	ii) TA/DA/POL etc. for monitoring	225000			4300	
	iii) Extension Activities (Field Day)					

	iv)Publication of literature					
	Technology Agent	110000			28666	
	Total	3035000		758750	627700	131050
Mustard	i) Critical input	2250000	220 ha	139390	329180	
	ii) TA/DA/POL etc. for monitoring				34265	
	iii) Extension Activities (Field Day)	663500				
	iv)Publication of literature					
	Total	2813500			363445	
Linseed	i) Critical input	320000	40 ha	27410	119100	
	ii) TA/DA/POL etc. for monitoring	120000			8141	
	iii) Extension Activities (Field Day)					
	iv)Publication of literature					
					127241	
	Technology Agent	60000			39032	
	Total					
		3313500		812875	529718	283157

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

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

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

[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
g) Medicinal and Aromatic Plants											0	0	0
Nursery management											0	0	0
Production and management technology											0	0	0
Post-harvest technology and value addition											0	0	0
Others, if any											0	0	0
III. Soil Health and Fertility Management											0	0	0
Soil fertility management	1	13	5	18	4	0	4	0	0	0	17	5	22
Soil and Water Conservation	1	13	10	23	0	0	0	0	0	0	13	10	23
Integrated Nutrient Management	1	15	5	20	1	0	1	0	0	0	16	5	21
Production and use of organic inputs	3	47	46	93	18	0	18	0	0	0	65	46	111
Management of Problematic soils											0	0	0
Micro nutrient deficiency in crops											0	0	0
Nutrient Use Efficiency											0	0	0
Soil and Water Testing											0	0	0
Others, if any											0	0	0
IV. Livestock Production and Management											0	0	0
Dairy Management											0	0	0
Poultry Management											0	0	0
Piggery Management											0	0	0
Rabbit Management											0	0	0
Disease Management											0	0	0
Feed management											0	0	0
Production of quality animal products											0	0	0
Others, if any Goat farming											0	0	0
V. Home Science/Women empowerment											0	0	0
Household food security by kitchen gardening and nutrition gardening	1	3	2	5	0	23	23	0	0	0	3	25	28
Design and development of low/minimum cost diet											0	0	0
Designing and development for high nutrient efficiency diet	1	5	8	13	4	0	4	0	0	0	9	8	17

[illegible]

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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
Carp breeding and hatchery management											0	0	0
Carp fry and fingerling rearing											0	0	0
Composite fish culture & fish disease											0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond											0	0	0
Hatchery management and culture of freshwater prawn											0	0	0
Breeding and culture of ornamental fishes											0	0	0
Portable plastic carp hatchery											0	0	0
Pen culture of fish and prawn											0	0	0
Shrimp farming											0	0	0
Edible oyster farming											0	0	0
Pearl culture											0	0	0
Fish processing and value addition											0	0	0
Others, if any											0	0	0
IX. Production of Inputs at site											0	0	0
Seed Production											0	0	0
Planting material production											0	0	0
Bio-agents production											0	0	0
Bio-pesticides production											0	0	0
Bio-fertilizer production											0	0	0
Vermi-compost production											0	0	0
Organic manures production											0	0	0
Production of fry and fingerlings											0	0	0
Production of Bee-colonies and wax sheets											0	0	0
Small tools and implements											0	0	0
Production of livestock feed and fodder											0	0	0
Production of Fish feed											0	0	0
Others, if any											0	0	0
X. Capacity Building and Group Dynamics											0	0	0
Leadership development	1	0	0	0	9	11	20	0	0	0	9	11	20

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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
Group dynamics	1	20	7	27	0	14	14	0	0	0	20	21	41
Formation and Management of SHGs	9	36	32	68	22	219	241	0	0	0	58	251	309
Mobilization of social capital											0	0	0
Entrepreneurial development of farmers/youths	2	29	1	30	13	31	44	0	0	0	42	32	74
WTO and IPR issues											0	0	0
Others, if any	1	16	4	20	0	9	9	0	0	0	16	13	29
XI Agro-forestry											0	0	0
Production technologies											0	0	0
Nursery management											0	0	0
Integrated Farming Systems											0	0	0
XII. Others (Pl. Specify)											0	0	0
TOTAL	71	687	532	1219	522	437	959	10	1	11	1219	970	2189

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	2	13	41	54	2	1	3	0	0	0	15	42	57
Bee-keeping	5	63	8	71	56	0	56	0	0	0	119	8	127
Integrated farming													
Seed production	2	18	11	29	32	0	32	0	0	0	50	11	61
Production of organic inputs											0	0	0
Integrated Farming											0	0	0
Planting material production											0	0	0
Vermi-culture	8	82	73	155	0	37	37	0	0	0	82	110	192
Sericulture											0	0	0
Protected cultivation of vegetable crops											0	0	0
Commercial fruit production											0	0	0
Repair and maintenance of farm machinery and implements	6	102	37	139	18	2	20	0	0	0	120	39	159

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	2	34	27	61	24	0	24	0	0	0	58	27	85
Training and pruning of orchards											0	0	0
Value addition											0	0	0
Production of quality animal products											0	0	0
Dairying											0	0	0
Sheep and goat rearing											0	0	0
Quail farming											0	0	0
Piggery											0	0	0
Rabbit farming											0	0	0
Poultry production											0	0	0
Ornamental fisheries											0	0	0
Enterprise development	3	23	28	51	1	17	18	0	0	0	24	45	69
Para vets											0	0	0
Para extension workers											0	0	0
Composite fish culture											0	0	0
Freshwater prawn culture											0	0	0
Shrimp farming											0	0	0
Pearl culture											0	0	0
Cold water fisheries											0	0	0
Fish harvest and processing technology											0	0	0
Fry and fingerling rearing											0	0	0
Small scale processing											0	0	0
Post-Harvest Technology	2	42	8	50	10	0	10	0	0	0	52	8	60
Tailoring and Stitching											0	0	0
Rural Crafts											0	0	0
TOTAL	30	377	233	610	143	57	200	0	0	0	520	290	810

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	46	4	50	0	0	0	0	0	0	46	4	50
Value addition											0	0	0
Integrated Pest Management											0	0	0
Integrated Nutrient management											0	0	0
Rejuvenation of old orchards											0	0	0
Protected cultivation technology											0	0	0
Formation and Management of SHGs											0	0	0
Group Dynamics and farmers organization	1	42	4	46	0	0	0	0	0	0	42	4	46
Information networking among farmers											0	0	0
Capacity building for ICT application											0	0	0
Care and maintenance of farm machinery and implements											0	0	0
WTO and IPR issues											0	0	0
Management in farm animals											0	0	0
Livestock feed and fodder production											0	0	0
Household food security	1	20	15	35	10	0	10	0	0	0	30	15	45
Women and Child care											0	0	0
Low cost and nutrient efficient diet designing	1	5	13	18	2	0	2	0	0	0	7	13	20
Production and use of organic inputs	1	20	4	24	6	0	6	0	0	0	26	4	30
Gender mainstreaming through SHGs											0	0	0
TOTAL	5	133	40	173	18	0	18	0	0	0	151	40	191

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

[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
Post-harvest technology and value addition											0	0	0
Others, if any											0	0	0
III. Soil Health and Fertility Management											0	0	0
Soil fertility management	2	32	15	47	13	0	13	0	0	0	45	15	60
Soil and Water Conservation											0	0	0
Integrated Nutrient Management	4	51	17	68	35	0	35	0	0	0	86	17	103
Production and use of organic inputs	2	25	9	34	20	0	20	0	0	0	45	9	54
Management of Problematic soils											0	0	0
Micro nutrient deficiency in crops											0	0	0
Nutrient Use Efficiency											0	0	0
Soil and Water Testing	2	7	2	9	30	17	47	0	0	0	37	19	56
Others, if any	2	22	0	22	25	0	25	0	0	0	47	0	47
IV. Livestock Production and Management											0	0	0
Dairy Management											0	0	0
Poultry Management											0	0	0
Piggery Management											0	0	0
Rabbit Management											0	0	0
Disease Management											0	0	0
Feed management											0	0	0
Production of quality animal products											0	0	0
Others, if any Goat farming											0	0	0
V. Home Science/Women empowerment											0	0	0
Household food security by kitchen gardening and nutrition gardening	2	0	25	25	5	27	32	0	0	0	5	52	57
Design and development of low/minimum cost diet											0	0	0
Designing and development for high nutrient efficiency diet	9	11	134	145	127	30	157	0	0	0	138	164	302
Minimization of nutrient loss in processing											0	0	0
Gender mainstreaming through SHGs											0	0	0
Storage loss minimization techniques	1	3	14	17	0	13	13	0	0	0	3	27	30

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Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond											0	0	0
Hatchery management and culture of freshwater prawn											0	0	0
Breeding and culture of ornamental fishes											0	0	0
Portable plastic carp hatchery											0	0	0
Pen culture of fish and prawn											0	0	0
Shrimp farming											0	0	0
Edible oyster farming											0	0	0
Pearl culture											0	0	0
Fish processing and value addition											0	0	0
Others, if any											0	0	0
IX. Production of Inputs at site											0	0	0
Seed Production											0	0	0
Planting material production											0	0	0
Bio-agents production											0	0	0
Bio-pesticides production											0	0	0
Bio-fertilizer production											0	0	0
Vermi-compost production											0	0	0
Organic manures production											0	0	0
Production of fry and fingerlings											0	0	0
Production of Bee-colonies and wax sheets											0	0	0
Small tools and implements											0	0	0
Production of livestock feed and fodder											0	0	0
Production of Fish feed											0	0	0
Others, if any											0	0	0
X. Capacity Building and Group Dynamics											0	0	0
Leadership development	6	22	65	87	23	88	111	0	0	0	45	153	198
Group dynamics											0	0	0
Formation and Management of SHGs	9	15	24	39	172	50	232	8	2	10	195	76	271
Mobilization of social capital	1	15	3	18	10	0	10	0	0	0	25	3	28

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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
Value addition											0	0	0
Production of quality animal products											0	0	0
Dairying											0	0	0
Sheep and goat rearing											0	0	0
Quail farming											0	0	0
Piggery											0	0	0
Rabbit farming											0	0	0
Poultry production											0	0	0
Ornamental fisheries											0	0	0
Para vets											0	0	0
Para extension workers											0	0	0
Composite fish culture											0	0	0
Freshwater prawn culture											0	0	0
Shrimp farming											0	0	0
Pearl culture											0	0	0
Cold water fisheries											0	0	0
Fish harvest and processing technology											0	0	0
Fry and fingerling rearing											0	0	0
Small scale processing											0	0	0
Post-Harvest Technology	1	15	0	15	5	0	5	0	0	0	20	0	20
Tailoring and Stitching											0	0	0
Rural Crafts											0	0	0
Others, if any	2	36	0	36	0	24	24	0	0	0	36	24	60
TOTAL	4	86	2	88	9	24	33	0	0	0	95	26	121

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	5	108	15	123	22	24	46	0	0	0	130	39	169
Integrated Pest Management	1	20	0	20	5	0	5	0	0	0	25	0	25
Integrated Nutrient management											0	0	0
Rejuvenation of old orchards											0	0	0
Protected cultivation technology											0	0	0
Formation and Management of SHGs											0	0	0
Group Dynamics and farmers organization											0	0	0
Information networking among farmers											0	0	0
Capacity building for ICT application											0	0	0
Care and maintenance of farm machinery and implements	4	115	21	136	23	0	23	0	0	0	138	21	159
WTO and IPR issues											0	0	0
Management in farm animals											0	0	0
Livestock feed and fodder production											0	0	0
Household food security											0	0	0
Women and Child care											0	0	0
Low cost and nutrient efficient diet designing											0	0	0
Production and use of organic inputs											0	0	0
Gender mainstreaming through SHGs											0	0	0
Crop intensification											0	0	0
TOTAL	10	243	36	279	50	24	74	0	0	0	293	60	353

[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
Others, if any (Goat farming)											0	0	0
TOTAL											0	0	0
V. Home Science/Women empowerment											0	0	0
Household food security by kitchen gardening and nutrition gardening	3	3	27	30	5	50	55	0	0	0	8	77	85
Design and development of low/minimum cost diet											0	0	0
Designing and development for high nutrient efficiency diet	10	16	142	158	131	30	161	0	0	0	147	172	319
Minimization of nutrient loss in processing											0	0	0
Gender mainstreaming through SHGs											0	0	0
Storage loss minimization techniques	3	26	26	52	17	13	30	0	0	0	43	39	82
Enterprise development											0	0	0
Value addition	4	17	45	62	6	55	61	0	0	0	23	100	123
Income generation activities for empowerment of rural Women	1	0	8	8	0	24	24	0	0	0	0	32	32
Location specific drudgery reduction technologies											0	0	0
Rural Crafts											0	0	0
Capacity building											0	0	0
Women and child care	2	24	27	51	0	8	8	0	0	0	24	35	59
Others, if any	1	5	5	10	26	0	26	0	0	0	31	5	36
TOTAL	24	91	280	371	185	180	365	0	0	0	276	460	736
VI. Agril. Engineering											0	0	0
Installation and maintenance of micro irrigation systems	2	45	14	59	20	0	20	0	0	0	65	14	79
Use of Plastics in farming practices											0	0	0
Production of small tools and implements	2	15	40	55	8	0	8	0	0	0	23	40	63
Repair and maintenance of farm machinery and implements	16	223	96	319	166	12	178	6	6	12	395	114	509
Small scale processing and value addition											0	0	0
Post-Harvest Technology	2	25	20	45	7	0	7	0	0	0	32	20	52
Others, if any	15	270	77	347	112	2	114	9	1	10	391	80	471

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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
Bio-pesticides production											0	0	0
Bio-fertilizer production											0	0	0
Vermi-compost production											0	0	0
Organic manures production											0	0	0
Production of fry and fingerlings											0	0	0
Production of Bee-colonies and wax sheets											0	0	0
Small tools and implements											0	0	0
Production of livestock feed and fodder											0	0	0
Production of Fish feed											0	0	0
Others, if any											0	0	0
TOTAL											0	0	0
X. Capacity Building and Group Dynamics											0	0	0
Leadership development	7	22	65	87	32	99	131	0	0	0	54	164	218
Group dynamics	1	20	7	27	0	14	14	0	0	0	20	21	41
Formation and Management of SHGs	18	51	56	107	194	269	463	8	2	10	253	327	580
Mobilization of social capital	1	15	3	18	10	0	10	0	0	0	25	3	28
Entrepreneurial development of farmers/youths	4	29	1	30	76	31	107	0	0	0	105	32	137
WTO and IPR issues											0	0	0
Others, if any	8	61	68	129	11	82	93	0	0	0	72	150	222
TOTAL	39	198	200	398	323	495	818	8	2	10	529	697	1226
XI Agro-forestry											0	0	0
Production technologies											0	0	0
Nursery management											0	0	0
Integrated Farming Systems											0	0	0
TOTAL											0	0	0
XII. Others (Pl. specify)											0	0	0
TOTAL	165	1680	1128	2808	1488	778	2266	28	9	37	3196	1915	5111

Protected cultivation technology											0	0	0
Formation and Management of SHGs											0	0	0
Group Dynamics and farmers organization	1	42	4	46	0	0	0	0	0	0	42	4	46
Information networking among farmers											0	0	0
Capacity building for ICT application											0	0	0
Care and maintenance of farm machinery and implements	4	115	21	136	23	0	23	0	0	0	138	21	159
WTO and IPR issues											0	0	0
Management in farm animals											0	0	0
Livestock feed and fodder production											0	0	0
Household food security	1	20	15	35	10	0	10	0	0	0	30	15	45
Women and Child care											0	0	0
Low cost and nutrient efficient diet designing	1	5	13	18	2	0	2	0	0	0	7	13	20
Production and use of organic inputs	1	20	4	24	6	0	6	0	0	0	26	4	30
Gender mainstreaming through SHGs											0	0	0
Crop intensification											0	0	0
Others if any											0	0	0
TOTAL	15	376	76	452	68	24	92	0	0	0	444	100	544

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of SC/ST			Number of participants (others)			Over all participants
					M	F	Total	M	F	Total	

Area of training	No. of Courses	No. of Participants											84	
		General			SC			ST			Grand Total			
		M	F	Total	M	F	Total	M	F	Total	M	F		Total
Crop production and management														
Increasing production and productivity of crops	32	422	176	598	302	62	364	0	0	0	724	238	962	
Commercial production of vegetables	15	166	116	282	219	10	229	5	0	5	390	126	516	
Production and value addition														
Fruit Plants														
Ornamental plants														
Spices crops														
Soil health and fertility management	9	124	52	176	53	0	53	0	0	0	177	52	229	
Production of Inputs at site	5	72	55	127	38	0	38	0	0	0	110	55	165	
Methods of protective cultivation														
Other	4	29	2	31	55	17	72	0	0	0	84	19	103	
Total	65	813	401	1214	667	89	756	5	0	5	1485	490	1975	
Post harvest technology and value addition														
Processing and value addition	4	17	45	62	6	55	61	0	0	0	23	100	123	
Other														
Total	4	17	45	62	6	55	61	0	0	0	23	100	123	
Farm machinery														
Farm machinery, tools and implements	22	308	170	478	201	12	213	6	6	12	515	188	703	
Other	15	270	77	347	112	2	114	9	1	10	391	80	471	
Total	37	578	247	825	313	14	327	15	7	22	906	268	1174	
Livestock and fisheries														
Livestock production and management														
Animal Nutrition Management														
Animal Disease Management														
Fisheries Nutrition														
Fisheries Management														
Other														
Total	0	0	0	0	0	0	0	0	0	0	0	0	0	
Home Science														
Household nutritional security	3	3	27	30	5	50	55	0	0	0	8	77	85	
Economic empowerment of women														
Drudgery reduction of women														
Other	17	71	208	279	174	75	249	0	0	0	245	283	528	

Total	20	74	235	309	179	125	304	0	0	0	253	360	613
Agricultural Extension													
Capacity Building and Group Dynamics	31	137	132	269	312	413	715	8	2	10	457	547	1004
Other	8	61	68	129	11	82	93	0	0	0	72	150	222
Total	39	198	200	398	323	495	808	8	2	10	529	697	1226
Grant Total	165	1680	1128	2808	1488	778	2266	28	9	37	3196	1915	5111

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	
Millets	Malnutrition	Millet cultivation to eradicate malnutrition.	6	65	15	80	Production unit	4	8	1
High valued crop (hort)	Water management	Details about micro irrigation	5	25	0	25	Production unit	2	1	1
Vermicompost	Vermicompost	Methods of vermicompost Production & its application.	20	35	25	60	Production unit	5	6	1
Mushroom Production	Mushroom Production	Methods of Mushroom Production	12	5	25	30	Production unit	3	2	1
Bee Keeping	Bee Keeping	Scientific method of bee keeping	30	54	36	90	Production unit	1	2	0

Entrepreneur development	Leadership	Role of leaders in motivating RY for self employment	3	0	23	23	enterpre nuership	1	2	1
All crop	Farm Machinery	Detail knowledge about different types of irrigation pumps & its utility	7	21	4	25	Repairin g unit	1	2	1
All crop	Farm Machinery	Care maintenance , repair and storage of different types of agril. machineries/ implements	5	40	0	40	Repairin g unit	1	2	1
Pulse	Seed Production	Seed production, processing and marketing	5	25	8	33	Producti on unit	2	3	1

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

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
					PF/RY/EF		Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
	Jaivik Kheti	Production of organic inputs	Feb-24	6	PF	2	155	30	5	45	15	5	200	45	10	255	DAO, Munger
	CCINM Training Programme	INM	April-24	12	RY	12	28	2	0	3	2	0	31	4	0	35	ATMA, Munger
	Promotion of	Cropping	June	3	PF	1	5	1	1	12	14	2	13	19	3	35	ICEC,Munger

	millet cultivation & its value addition	system & value addition	24														
	Training under Diploma in Agril. Extension services for input dealers (DAESI)	Cropping system	June 24	7	RY	7	25	10	1	5	3	1	30	13	2	45	ATMA,Munger
	Vermicompost production & its use	Production of organic inputs	July 24	3	RY	1	22	12	1	4	1	0	26	13	1	40	UCO R-SETI, Munger
	District level & block level Kharif Mahotsav cum training Programme	Cropping system & IFS	June 24	10	PF+EF	10	255	75	5	81	32	4	336	107	9	452	DAO+ATMA, Munger
	Farmers Awareness Programme through Krishi Gyan Vahan	Cropping system & IFS	Aug 24	18	PF+EF	9	1210	340	25	352	75	15	1562	415	40	2017	BAU,Sabour
	Scientific method of vermicompost production & its application	Production of organic inputs	Sep 24	3	PF	1	72	15	0	5	3	0	77	18	0	95	UCO,RSETI
	Importance of Jaivik Kheti & its practice &	Production of organic inputs	Sep 24	6	PF	2	162	30	15	82	18	5	244	48	20	312	DAO+ATMA, Munger

	packages																
	Scientific methods of INM in different crops	INM	Oct 24	7	PF+RY	7	22	13	0	4	1	0	26	14	0	40	DAO, Munger
	Scientific methods for different inputs management in agriculture	Cropping system & IFS	Nov 24	6	PF+RY	6	22	13	0	4	1	0	26	14	0	40	DAO, Munger
	Awareness Programme for Marketing of Agricultural Produces through FPOs/ SHG	Capacity building	Sep 24	1	PF+EF	1	35	11	3	5	4	0	40	15	3	58	NABARD, Munger
	Scientific application Method of water soluble fertilizer in agriculture	INM	Aug 24	1	PF	1	37	11	0	9	5	0	46	16	0	62	IFFCO, Munger
	Mushroom production ,its value addition & marketing	Mushroom Production	Dec 24	1	PF	1	15	7	0	12	13	3	27	20	3	50	ADH, Munger

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2024 –N/A

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

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

Total no of training organized	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
3	Bee keeping	Bee keeping	180	15	20	0	0	50	5	65	25	90	5,70,000
2	Vermicompost Producer	Vermicompost Producer	120	10	12	0	0	32	6	42	18	60	3,80,000

3.5. A. ACHIEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela participated	6	1830	462	2292	92	18	8	3	11	4	2	1838	465	2303	96	20
Field Day	17	698	101	799	57	15	3	0	3	2	0	701	101	802	59	15
Kisan Ghosthi	19	902	175	1077	9	7	2	0	2	3	1	904	175	1079	12	8
Exhibition organized	1	61	16	77	8	3	4	0	4	4	2	65	16	81	12	5
Participation in exhibition	3	281	34	315	6	2	3	0	3	2	1	284	34	318	8	3
Film Show	12	1110	415	1525	152	62	8	0	8	6	2	1118	415	1533	158	64
Method Demonstrations	22	618	95	713	9	4	3	0	3	4	1	621	95	716	13	5

Farmers Seminar	1	27	2	29	3	1	0	0	0	2	1	27	2	29	5	2
Workshop	1	22	8	30	0	0	0	0	0	0	0	22	8	30	0	0
Group discussion	2	44	21	65	0	0	0	0	0	0	0	44	21	65	0	0
Lectures delivered as resource persons	36	859	95	954	85	12	5	3	8	4	2	864	98	962	89	14
Advisory Services	1	1005	810	1815	95	9	8	3	11	6	2	1013	813	1826	101	11
Scientific visit to farmers field	38	215	182	397	10	9	7	1	8	5	1	222	183	405	15	10
Farmers visit to KVK	1	1920	535	2455	195	45	18	5	23	8	3	1938	540	2478	203	48
Diagnostic visits	28	105	32	137	12	4	2	1	3	3	1	107	33	140	15	5
Exposure visits	5	242	82	324	8	3	0	0	0	0	0	242	82	324	8	3
Ex-trainees Sammelan	1	21	9	30	0	0	0	0	0	0	0	21	9	30	0	0
Soil health Camp	2	42	18	60	0	0	0	0	0	0	0	42	18	60	0	0
Animal Health Camp	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	7	140	42	182	22	12	9	3	12	6	2	149	45	194	28	14
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	1	18	6	24	0	0	0	0	0	0	0	18	6	24	0	0
Mahila Mandals Conveners meetings	1	0	40	40	0	0	0	0	0	0	0	0	40	40	0	0
Special day celebration	36	1110	682	1792	65	18	0	0	0	0	0	1110	682	1792	65	18
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	32	6910	1025	7935	18	75	25	7	32	4	2	6935	1032	7967	22	77
Celebration of important date	8	412	95	507	17	5	0	0	0	0	0	412	95	507	17	5
Others	4	118	22	140	28	12	13	3	16	2	1	131	25	156	30	13
Total	285	18710	5004	23714	891	316	118	29	147	65	24	18828	5033	23861	956	340

B. Other Extension/content mobilization activities

World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	4	92	27	119	2	1	3	94	28	122
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0
Fisheries day (21 Nov)	0	0	0	0	0	00	0	0	0	0
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	0	0	0	0	0	0	0	0	0	0
Kisan Diwas (23 rd Dec.)	1	22	8	30	3	2	5	25	10	35
Any other day	0	0	0	0	0	0	0	0	0	0

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	16 th release PM Kisan Nidhi Live	PM	75	16	4	95
2	18.06.2024	PM Live Telecast Kisan Samman Nidhi	PM	83	14	10	107
3	11.08.2024	PM Live Release of 109 varieties of crops	PM	25	8	0	33
4	15.08.2024	Live Telecast of National pest surveillance by Honble Agriculture minister	AM	23	9	0	32
5	05.10.2024	live screening of release of 18th Instalment of PM KISAN Nidhi on 5th Oct 2024	PM	68	12	0	80

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Chickpea	Sabour chana1	50.10	576150	15	45	15	255	315
Chickpea	GNG2299	2.20	25300	15	5	3	24	32
Lentil	IPL220	292.1	3943350	35	90	12	733	835
Lentil	L4717	45.7	616950	15	81	9	238	328
Total		390.1	5161750	80	221	39	1250	1510

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Madua GPU-28	1.1	4400	9	4	32	45
Oil seed							
Pulses	IPA 203	16.4	311600	32	18	188	238
Green Manure							
Commercial crop							
Vegetables (Potato)	Kufri Mohan	19.0	57000	14	1	32	47
	Bari Aaloo	29.5	88500	22	5	39	66
	Rajendra Aaloo1	1.5	4500	2	0	4	6
Fodder							
Spices							
Fruits							
Ornamental/flower							
Medicinal							
Grand Total		67.5	466000	79	28	295	402

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting	Value	Number of farmers
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		materials	(Rs)	to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings	Hybrid	10000	50000	232	0	21	253
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Commercial seedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango	Amrapali, Mallika, Langra, Gulab khas,	5500	440000	60	43	462	565
Guava	L-49, Allahabad safeda	500	24250	23	2	72	97
Lime	Purvi kagzi	2500	125000	62	11	195	268
Litchi	Sahi,	2500	125000	74	16	184	274
Pomegranate	Sriganesh	500	25000	18	4	72	94
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							

Plantation							
Tuber Elephant yams							
Spices							
Grand Total		21500	789250	469	76	1006	1551

D. Forest species –N/A

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
Nappier	Hybrid	1000	5000	95	10	120	225

F. Production of Bio-Products-N/A

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 (Trichocardetc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						

Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total						

G. Production of livestock & fisheries materials- N/A

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
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.	Cost
1	Water Distillation still / Plant	1	48000.00
2	Stabilizer (Automatic voltage stabilizer)	1	4000.00
3.	Refrigerator	1	---
4.	Electrical Balance &	1	77000.00
5.	Accessories		21000.00
6	Physical Balance	1	6500.00
7.	Conductivity Meter CM – 180	1	10170.00
8.	Horizontal shaker	1	25425.00
9.	Willey Mill Grinder	1	25425.00
10	Kheldahi Digestion and Distillation system	1	30510.00
11	Digital P.H. Meter Model L-1, 127	1	10170.00
12.	Spectro photo meter scarring minis pace	1	61000.00
13.	Flame Photometer Madaleu – 361	1	47,460.00
14	Hot Plate (Thermostatic)	1	9040.00
15	Hot Air Oven	1	15259.00
16	STFR	1	86000.00

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	Through soil testing laboratory	Total
0	590	231880.00

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	590	25	830	231880
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration –N/A

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.)
1.	4	1	0	123	3

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:	Sri Mukesh Kumar
Address :	Krishi Vigyan Kendra, Munger , Bihar
e-mail :	mungerkvk@gmail.com
Phone No. :	96086558459
Mobile :	

2. Quality Seed Production of Pulses

Season	Name of crop taken under seed production	Name of variety taken under seed production	Crop and variety wise area (ha) covered under seed production	Crop and variety wise Yield (Q/ha)	Crop and variety wise quantity of seed produced (Q)	Crop and variety wise quantity of seed sale out (Q)	Crop and variety wise number of farmers purchased seed from KVK	Quantity of seed sale out to farmers (Q)	No of village covered through sale of seed	Quantity of seed sale out to other organization (Q)	Amount generated (Lakh) during 2024-25	Total amount (Lakh) in Seed Hub project presently
Rabi	Lentil	IPL220	45	8.0	291.90	291.90	16	17	3	274	4914505	6437337.00
	Lentil	L4717	15	4.8	57.31	57.31	0	0	0	57.31		
	Chickpea	Sabour Chana-1	10	6.2	50.0	50.0	5	4	5	46.0		
	Chickpea	GNG2299	2	2.3	3.40	3.40	0	0	0	3.4		

3. Financial Progress

Year	Fund received	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
		Infrastructure	Revolving fund		
2016-17	30	50	1.74	28.26	
2017-18	41		25.48	11.87	
2018-19	13		35.89	55.48	
2019			34.52	64.42	
2020	16		19.88	83.88	
2021			36.30	91.57	
2022			64.37	72.47	
2024			45.07	60.49	
2024			41.48	68.15	Up to Feb 2025

4. Infrastructure Development

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

3.6 HUMAN RESOURCES 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			
	Audience perception towards sustainability of community radio	B.D.singh, Mukesh Kumar, R.K.Sohane, Amrendra Kumar Journal of community mobilization and sustainable development new delhi -110012 ISSN:2230-9047; online ISSN:2231-6736		5.3

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			
Impact assessment of FLD, skill development and training	FOCUS 2024 Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Dr. Sujata Kumari Smt. Smita Kumari	1000	800
Assessment of weed management practices on yield and economics of lentil	FOCUS 2024 Dr Vinod Kumar Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar, Dr. Sujata Kumari Smt. Smita Kumari	1000	700

Assessment of integration of different form of fertilizer on yield and economics of lentil crop	ISDA, Rainburs proceedings. Dr Vinod Kumar	1000	700
Books published			
Desi chicks rearing boon for village people	Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Dr. Sujata Kumari Smt. Smita Kumari	1000	550
Goatery: A profitable enterprise	Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Dr. Sujata Kumari Smt. Smita Kumari	1000	750
Book chapter published			
Popular articles published			
Krishak sandesh			
Tamatar utpadan ki saral evam unnat taknik	Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Dr. Sujata Kumari Dr. Bishnu deo Singh, Smt. Smita Kumari	1000	1000
Ajivika suraksha ke liye jalvayu smart krishi	Dr Vinod Kumar Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar, Dr. Sujata Kumari Smt. Smita Kumari	1000	1000

Hitech sinchai vidhiyon ka mahatva evam upyog	Er. Ashok Kumar, Mukesh Kumar, Dr Vinod Kumar Dr. Sujata Kumari Smt. Smita Kumari Dr. Bishnu deo Singh,	1000	1000
Madhya balya avastha aur kishora avastha mein poshan	Dr. Sujata Kumari Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Smt. Smita Kumari Dr. Bishnu deo Singh,	1000	1000
Compost khaad banana ki vidhiyaan, laabh evam nuksaan	Smt. Smita Kumari Mukesh Kumar, Er. Ashok Kumar, Dr Vinod Kumar Dr. Sujata Kumari Dr. Bishnu deo Singh,	1000	1000
Saurya Urja Chalit pamp ki Vistrit Jankaari	Er. Ashok Kumar,	1000	1000
Gobar gas ki vistrit Jankari	Er. Ashok Kumar,	1000	1000
Aaloo utpadan mein hitech sinchai vidhi ka prayog	Er. Ashok Kumar,	1000	1000
Success story published		12	475
TOTAL			

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			
Agro-advisory bulletins			

Extension folders/leaflet/pamphlets			
Technical reports	Annual Progress Report 2024, SAC Meeting Report 2024, Extension Council Report 2024, Monthly Report, Quarterly Report, Flagship report, Swachhata Report		
News letter	Kisan samachar quarterly -4	4000	4000
Electronic Publication (CD/DVD etc)			
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel	designation	Name of course/training program attended	Date	Duration	Organizer/Venue
1.	Er. Ashok Kumar,	SMS Agril. Engg.	Solar powered irrigation Pump	8-11.9.2024	3 days	BISA, Jabalpur
2.	Mukesh Kumar	SMS, Horticulture	OFT finalization workshop of Horticulture		1 days	ATARI, Patna
3.	Er. Ashok Kumar,	SMS Agril. Engg.	OFT finalization workshop of agril engg.	25-26.07.2024	2 days	ATARI, Patna
4.	Dr Vinod Kumar & Smt. Smita Sinha	SMS Agronomy	OFT finalization workshop of Agronomy & Soil Science	28-29.05.2024	2 days	BAU, Sabour
5.	Dr. Bishnu deo Singh, Dr. Sujata Kumari	SMS Ext., SMS Home science	OFT finalization workshop of Extension & Home Science	23-24.07.2024	2 days	ATARI Patna
6.	Dr. Bishnu deo Singh, Mukesh Kumar, Er. Ashok Kumar,	SMS Agril. Extension	National Seminar on farmers orientation towards climate change and upgradation to sustainability	23-24.12.2024	2 days	Sambodhi , Retyreat Dhanbad.

	Dr Vinod Kumar					
7.	Dr Vinod Kumar	SMS Agronomy	Regional consultation on Science of Natural Farming	19.07.2024	1 day	Lucknow
8.	Smt. Smita Sinha	SMS Soil Science	Training cum exposure visit on Natural farming for Master trainer	14-18.05.2024	5 days	Hydrabad, AP
9.	Smt. Smita Sinha	SMS Soil Science	Millet awareness programme under Misson LIFE programe	22-24.05.2024	3 days	Online
10.	Er. Ashok Kumar & Smt. Smita Sinha	SMS Soil Science & SMS Agril. Engg.	CRA / Natural Farming workshop	08-09.04.2024	2 days	BAU, Sabour
11.	Er. Ashok Kumar & Dr. Sujata Kumari	SMS Agril. Engg. & SMS Home science	Review meeting cum workshop on Eradication of mal Nutrition	03-04.04.2024	2 days	BAU, Sabour
12.	Smt. Smita Sinha	SMS Soil Science	Field training cum exposure visit	13-15.03.2024	3 days	at IRRI – SAARC Varanasi
13.	Smt. Smita Sinha & Dr. Sujata Kumari	SMS Soil Science & SMS Home science	Orientation programme	18-22.03.2024	3 days	At BAU, Sabour

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of KVK	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1.					
2.					
3.					
4.					

Award received by KVK Scientists

Sl.	Name of KVK personnel	Name of the Award	Value (In Amount/kind)	Achievement	Conferring Authority
1.	Mukesh Kumar	Best extension scientist award	Kind	Certificate & memento	Green Agri Professional Society, Dhanbad , Jharkhand
	Er. Ashok Kumar	Distinguished KVK Scientist Award	Kind	Certificate & memento	Green Agri Professional Society, Dhanbad , Jharkhand
	Dr Vinod Kumar		Kind	Certificate & memento	Green Agri Professional Society, Dhanbad , Jharkhand
	Dr. Bishnu deo Singh,		Kind	Certificate & memento	Green Agri Professional Society, Dhanbad , Jharkhand

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

3.7. TECHNOLOGY DEVELOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent
1.	Processing of vermicompost	Sieving of vermicompost by hanging sieve	Saving of 40-45 % labour cost and 10-12 % drudgery labour for sieving of raw vermicompost	2-5 %
2.	Innovation of low cost & low head drip irrigation	Low headwater bucket is joined with thin microtubes (pepsi pipe) perforated hole at root zone of the plant.	Saving of 60-70% water, 20-30 % energy and 20-40 % increase yield of vegetable/ high valued crops.	2-3 %

3.	Preparation of humic acid for plant growth	Preparation of jaivik PGR (humic acid) by dissolving six month or one year old 5-6 cow dung cake ½ kg curd & ½ kg juggary mixed in a tank and decomposes /fermented for 15 days	Saving of cost of cultivation and achieved jaivik produce.	1-2 %
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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	Ajwayeen (Scorn seed) seeds & pulses	Sowing of ajwayeen, oilseeds by broadcasting method after receding of flood water in 2-7' deep muddy plain area of diara land	To sow crop in time in problematic area in diara land. No any alternative method of sowing is applicable in swampy diara land.	2 % farmers adopted this technology & achieved 10-20 % more income in problematic soil.
2	Sowing of Millets	In cracked soil of diara land sowing of millet, wheat is done by local made manual operated zero till machine	To sow millet in wet plain area after receding flood water	5 % farmers adopted this technology & achieved 10-20 % more income in problematic soil with less cost of cultivation.
3	Sowing of Maize & Wheat	Sowing of maize is done by manually operated bhoka or dibbler & wheat is broadcasted on surface and seed grains are swipped with broom in cracks	To sow maize and wheat in diara lands in problematic soil area after receding of flood water.	5-7 % farmers adopted this technology & achieved 12-15 % more income in problematic soil with less cost of cultivation.
4	Planting of Pointed gourd	The vines of pointed gourd are planted in sandy & hard muddy area of diara landwith the help of manual operated local made rambha (khanti)	To plant pointed gourd vines& other cucurbitaceous vegetables in diara land by rambha (khanti).	30-40 % farmers adopted this technology in problematic soil with less drudgery.
5	Pointed gourds & other cucurbitaceous vegetables	A local kash made tati (wind break)is made in north west side of field in diara land to protect crops from deposition of sand.	To check deposition of sand on leaves of crops and control wind erosion of soil in diara lands	3-5 % farmers adopted this technology in sandy soil of diara land
6	Water source	Split bamboo, m.s. ring, coconut strings rope are used to make low cost casine pipe in diara land to install bamboo boring to achieve shallow depth's ground water to use it for	To create water source for irrigation in diara land at low cost.	20-25 % farmers adopted this technology in diara land to irrigate crop with less cost.

		irrigation.		
7	Bio Control	Spraying of cow dung, urine and cow dung's ash as repellant for insects in crops. Use bio control like panchparni, panch gavya & other to control insect's pests.	To protect crops damage from frost, micro- organism & insects.	10-12 % farmers adopted this technology to control pest eco friendly.
8	Maize	Cut the upper portion of maize crops	To get green fodder for animals & to reduce mature time for cob of rabi maize	10-12 % farmers adopted this technology in maize crop to achieve green fodder .
9	Water lift Method	Use of charsa (one swinging pot /bucket is bonded/tied with string/rope and drawn by two man in two sides of water channel) & lathakuri (don) for irrigation in paddy grown area.	To irrigate paddy & other crops in sloppy & hilly plain area. There is no water source rather than dug well or water pertaining gully.	15-20 % small and marginal farmers adopted this technology to irrigate crops.
10	Cattle Management	Use of bamboo's leaves for cow after delivery of the calf	To expels placenta properly in short time.	10-15 % farmers adopted this technology to expel placenta from cow after issuing calf.
11	Poultry Management	In rural area, use of manually made multi stories poultry house under backyard poultry production.	To construct low cost earthen/mud made multi stories Darwa (poultry house) in rural area.	10-12 % farmers adopted this technology to rear backyard poultry with low cost.
12	Household Security	Earthen made multi opening to put pot and one opening chulha is made in rural area by which fuel is inserted..	To use maximum thermal energy for efficient house work like cooking & parboiling of paddy and curing of turmeric .	5-10 % women farmers adopted this technology to save fuel in parboiling of paddy.
13	All Crops	Use effigy (putla of man) or dead crow body in the field	To protect crop from animal, birds & thieves.	10-15 % farmers adopted this technology to drive away animal birds & other pest for protecting cost.
14	Nursery raising	Use plastic tunnel (rain shelter) to grow nursery	To grow fruit (papaya), vegetables & other crop's nursery in rainy season under poly tunnel	15-20% farmers adopted this technology to grow nursery in rainy and winter season for achieving early vegetables.
15	Straw Storage	Making two span heap structure of house with the help of paddy straw bundles	To storage paddy straw in open area to use as animal fodder.	20-22% farmers adopted this technology to preserve dry feed for cattle.
16.	Nursery raising & crop growing	Spreading of ash over canopy of crops	To control red beetle on cucurbitaceous vegetable and others .	15-17 % farmers adopted this technology to control pest in vegetable & in other crops.

17.	Production of worm for production of vermin compost	Uses soil pitcher & rotten cow dung to rear worm and produce vermin wash	To produce warm & vermin wash	15-20 % farmers adopted this technology to control pest in vegetable & in other crops.
18.	Plastic sheet	Covering the fruit bananas' bunch, papayas with polythene	To save it from birds & mature fruits in shortly span	10-12 % farmers adopted this technology to preserve banana bunch
19.	Pitcher irrigation	In diara area and in hilly plain area pitcher is used to irrigate horticulture crops by buried it in rhizosphere & put water in pot & cover it.	To save water from evaporation	15-20 % farmers adopted this technology to survive plants in problematic soil & weather condition.
20.	All crops	Spraying of cow dung & urine as repellent.	To save vegetable from chemical residue effect.	15-22 % farmers adopted this technology to control pest in vegetable & fetch jaivik produce

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	16	612 quintal	25	No
2.	Pulse (lentil & pigeonpea)	24	240 quintal	44	No

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 survey in village.	To diagnose/ evaluate need based training/ technologies for farmers and other agril. allied person. On the basis survey resource based agril. extension activities are designed
2.	Direct Interaction with farmers, Rural youth and extension functionaries in field visit/training / awareness programme	KVK's agril. extension activities are designed on the basis of farmers/ agril. allied persons need.

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)
Area expansion under grafted mango orchard	70	125	Previous year area under grafted mango was 1310 ha which is increased to 1380 ha during 2024	14	7700 mango saplings has been transplanted in Munger district which were provided by KVK Munger, ADH Munger and other NGOs. Some were transplanted by farmers own cost.	82 % annual target have been achieve under mango transplantation	19200	20500
Seed Treatment with Chemicals & bio agents	4050	1430	Previous year about 45 % farmers are following this technology now latest in year 2024, 57% farmers were following this technology.	22	About 3542 farmers have treated seed (pulse, oilseed and cereals) with FIR/ bio agents before sowing	77 % of objective has been achieved	12300	13900
Cultivation of improved varieties in cereals oilseeds, pulses, vegetables & more fruits.	4752	1540	32-35% Seed replacement rate was followed by farmer in cereal crops which is enhanced to 39-47% in year 2024.	12	About 4043 farmers have sown improved/ certified seeds of pulse, oilseed and cereals in place of local seeds	68 % of objective has been achieved	14380	115990
Fruit & Vegetables Preservation	2256 quintal	102	from 9% to 11% fruit/ vegetable preservation is accelerated in year 2024	11	257 farmers / farm women have preserved agril. produce (vegetable, fruits, mushroom and other value added products)	72 % of objective has been achieved	1520	1760

Water management	2725 ha	1220	Water management through innovative surface irrigation & through hi-tech irrigation (drip & sprinkler) is followed by farmer with 8% more than previous year.	15	975 farmers have adopted hitech irrigation & scientific surface irrigation methods	76 % of objective has been achieved	12320	16110
Mechanization	5323	1520	Farm mechanization has been enhanced by end users from 23% to 27% during 2024.	24	910 farmers have used innovative farm machineries (Rotavator, zero tillage, drone, harvester and thresher)for farm operation	78 % of objective has been achieved	30110	34990
Nursery raising in polyhouse	58	115	5.No. of polyhouse & 2 shednet house have been installed in Munger district during 2024	11	About 27 farmers have been utilizing poly house/ shednet house / poly tunnel for nursery raising and for producing off season vegetables	84 % of objective has been achieved	18320	24235
Sowing/Transplanting in row	4332	4215	From 10% to 14% adoption of this technology	17	512 farmers have attached with this method of sowing/ transplanting in row	82 % of objective has been achieved	15110	19415
DSR	2732	930	From 10-12 % to 14-16 % enhanced DSR during 2024	11	332 farmers have sown their rice by this method	69 % of objective has been achieved	16300	23100
PHT	1450 quintal agril. produce	257	From 15 % to 19 % post harvest management of different crops have been performed in 2024	12	357 extra farmers have manage their agril. produce by adopting PHT in 2024	74 % of objective has been achieved	11340	16532

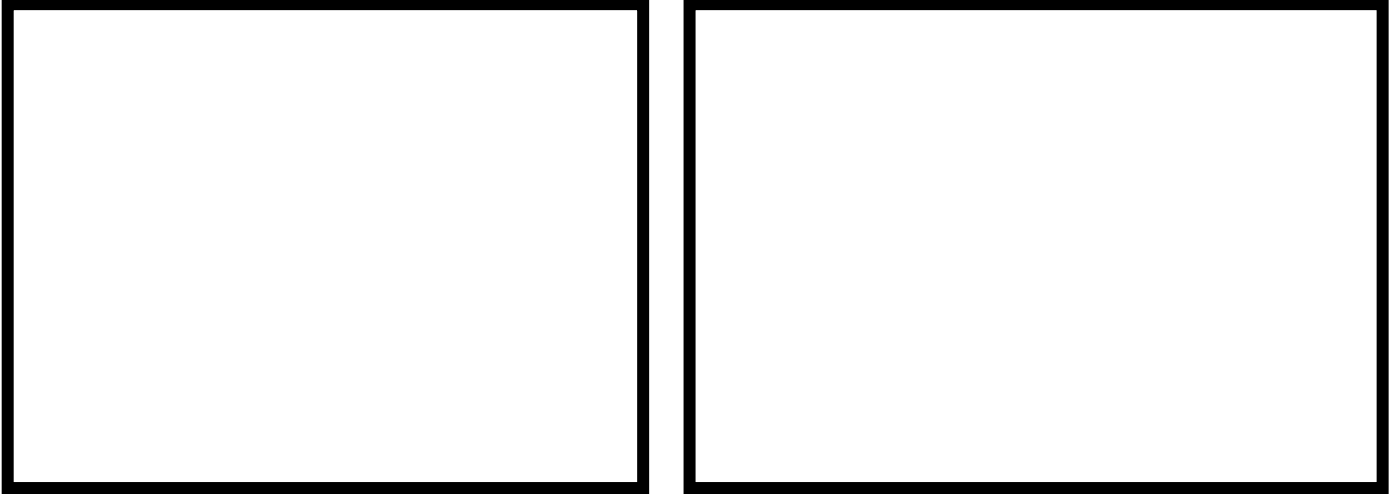
Natural Farming	37	92	From 10-12 % to 14-15 % adoption of Natural Farming have been enhanced in 2024	6	37 extra farmers have connected to Natural Farming in 2024	71 % of objective has been achieved	8210	10354
Millet	44	97	From 5-7 % to 11-16 % adoption of millet production have been increased in 2024	9	52 extra farmers have been connected to Millet cultivation in 2024	81 % of objective has been achieved	8390	11314

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	Yashoda Devi
Registered address of the entrepreneur/firm	At Tilkari, Tetiabambar, Munger
Year of establishment	2018
Type of Enterprise	Mushroom Production
Registration details	Jeevika Samuh
No of members associated	27
Technical components of the enterprise (with commodity)	Spawn and mushroom production .
Annual Income/revenue of the enterprise	Rs. 285000
Role of KVK/Technology backstopping (quantitative data support)	Earn more by adopting mushroom cultivation”. Smt. Yashoda Devi is an energetic, laborious and innovative women farmer. She has felt her family responsibility. So, She had contacted with KVK’s scientists. She has achieved motivation to start self employment by taking training from KVK, Munger. After taking training she has started mushroom with 100 bags and yielded 1 quintal and returned Rs.10,000=00. She has taken training on mushroom cultivation, farming and other topics at KVK, Munger. KVK Scientist told her for doing agriculture and gave her training. KVK Munger has provided 2 quintal spawn with best quality spawn to to produce high quality mushroom in her women group. She has started mushroom production with 10000 bag and earned Rs 285000. She is an enthusiastic and leading youth of her village. The KVK Munger had trained her and her group member time to time to enhance their skills and income.

Period/Timeline of the entrepreneurship development	She had started Mushroom production with 100 bag in 2018. She has become successful entrepreneur of Mushroom production after six year. At present she has been producing mushroom with more than 10000 bags in 20 women groups of Tetia Bamber block of Munger district.		
Economic and Social status of entrepreneur before and after the enterprise	She was small and marginal farmer and her entrepreneur annul income was low. She has been facing trouble to support family liability. Her husband was also un employed. She had made strong decision to make her family self		
	Types of produce	Before Annul income (Rs.)	after Annul income (Rs.)
	Mushroom	10000	285000
	Spawn	0	80000
	dependent. But her family status was socially and economically low . For elevating socio economical status of her family, She had contacted with scientists of KVK Munger. The scientists of KVK Munger had trained her and her women group with scientific production of Mushroom and spawn production. After taking scientific and economical back up from KVK Munger She had started constituting women group and had started mushroom and spawn production in her block. Before without scientific and economical backup her annual income was low but after taking training her income became Rs. 365000. Now her socio economic condition has scaled up. She has been respected by women groups and other people of Tetia bambar block. She has been connecting other rural women motivating them to adopt this entrepreneur for accelerating her daily income. At present she has been supporting her family efficiently and easily. She has also been supporting other rural women for their livelihood. Now her income has enhanced & villagers also behave with her respectively or with good manners.		
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	She has been producing mushroom spawn and mushroom with the help of women group in her locality. At present she is cooperating 20 women groups consisting more than 400 women for mushroom production. She and president / secretary of women group have arranged / managed inputs like mother spawn, paddy straw/ husk , besan, fungicides, polythene bag, rubber, autoclave, inoculation and culture facility to produce smoothly mushroom and spawn. She purchases raw materials and other equipments/ infrastructure in bulk amount with best quality and low rate from KVK and local market's authorized dealers. Some times she and groups member purchase spawn from KVK and husk from local farmers. Here is large no. of laborers connected s group members (rural women) for mushroom production. They are producing large quantity of mushroom and mushroom spawn. They have been selling raw mushroom to school(mid day meal) and CRPF camps mess. They are also selling raw mushroom in local markets and in hotel of distant city. Rest perishable raw mushroom has been added value in mushroom for preparing mushroom powder, dry mushroom and preserved / RTS recipe. At present she has been earning Rs 3,65,000/= annually by producing 28.5 quintal mushroom and 8 quintal spawn annually . Excluding personnel income she has been promoting more than 1000 women to enhance their income with mushroom production. Mushroom production is beneficial and economical occupation for marginal women. They are earning Rs 400/= per day involving in mushroom production and preparing its value added product.		
Major achievements	Her major achievements are as following- - Produced 28.5 quintal mushroom + 8 quintal spawn in a year. - Involved about 1200 rural women to this enterprise (Mushroom production and its value added products)		

	• Trained practically about 412 rural women with scientific production of mushroom and its spawn. • Taken 62 rural women to states reputed agril. institutions (BAU,Sabour, KVK Munger and DRCPAU, Pusa) for mushroom production under exposure visit cum training programme finance by ATMA Munger • Made timely availability of inputs(Straw, spawn, polythene bag, rubber etc) for mushroom production. • Enhanced about 40 % daily wages of a rural women involving in mushroom production
Major constrains	Major constraints in mushroom were found as- • Scarcity of capital and infrastructure. • Scarcity of local market • Generation of micro climate is tedious work for mushroom production in rural area for illiterate farm women.
Images/Imp Documents	

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/ entrepreneur : Ajit Kumar
2.	Date of Birth :01.01.1970
3.	Education :- Intermediate
4.	Farming Experience/ Experience in enterprise: 25 years
5.	Cell no./ e-mail :8707024258
6.	Full address :AT Hemjapur, Block -Dharhara, Dist-Munger-813201(Bihar)

7.	Professional membership (Farmer club/SHG/ATMA/etc.) ATM A
8.	Major achievement of the farmers: He has earned net income Rs 1119488 annually by fish and poultry Farming
9.	Awards received :Best Farmers Award of Munger district by BAU, Sabour, Bhagalpur in 2024

2. Professional Information

1.	Title of the success story/case study: Integrated Fish and Poultry Farming.
2.	Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?) : Ajit Kumar is a medium large land holding farmer. He is able to take one Rabi crop due to water lagging occurs in Tal land. His father was also a farmer. He had cooperated his father in farming words. His return or annual income was low due to traditional farming and frequent waterlogging in his farm in kharif season. He had decided to enhance his farm income by adopting scientific farming. Because he had become a failure to established business or to do government job. So he had contacted to scientist of KK Munger for enhance farming income. The scientist of every movie had suggested him to do fish farming and crop cultivation by following IFS model of farming. Water lagged land can be used for fish farming to switch more income from farming. He also contracted with dfo Munger and other land departments for subsidy or government help. Now he had started his his farming, poultry farming, goatery along with crop production. In kharif season he faced problem to rear or conserve fish seed or fingerlings. He started fish farming by bioflock method. Low income from farming and his un employment have insisted him to follow IFS model farming consisting of fish and poultry farming along with crop production. He has following resources and infrastructure to do farming under IFS model including fish and poultry farming. (i) Land (ha) – 4 (ii) Irrigated area(ha)- 2 (iii) Water bodies with irrigation capacity : a. Tube well- 120000 LPH, 1000 m² b. One flocs farming (17 x 6.28 m³=106.76m³) c. Farm pond(1.0acre)-1ha irrigation capacity. (iv) Animal Resources including fish and Poultry: I have following animal resources including fish and other livestock a. Fish – (1.0 acre) b. poultry-500(Kadaknath, Banraja breed) (v) Farm Machinery :8 (pumpset, thresher, sprayer, sprinkler, tractor, reaper, seed drill,aerator)
3.	Plan, Implement and Support/KVK Intervention(s):

(Describe what systems of extension have done to address the challenge. What technology/ technical knowledge being used? How were different agencies engaged in or consulted in the extension process? - Who, What, How)

He has been adopting line sowing of crops & seed treatments with bio fertilizer & pesticides. He is also using different types of innovative agril. machineries like seed drill, zero tillage, Sprinkler irrigation, LDPE irrigation pipes, Sprayer, Reaper, thrasher, Tractor etc. He has been adopting to use bio fertilizers, Liquid fertilizer in crop cultivation. He has been also sowing latest improved variety of Rabi crops. He has been rearing cross breeds of cattle & improved breed of live stocks. He is adopting fish farming with improved variety in three layers in his farm pond. He has also been adopting flocks farming techniques in fish farming. He has also been practicing scientific method in fish management and surface irrigation in rabi crops. He has increased his farm income & employment by adopting IFS model of agriculture. He has been utilizing bio-products as agriculture inputs in another activities of agriculture in convection or cyclic manners with eco friendly & sustainably. He has been adopting INM, IPM, crop residue management, and Post harvest management in agriculture.

- ✓ Developed Farm pond to catch up flooded water after receding of flood.
- ✓ Developed bio flocks tub by cutting sintex tub for rearing fish in short area.
- ✓ Developed a Poultry & Goatry barn under developing integrated farming System.
- ✓ Developed practice & package of gram, wheat & lentil considering climate change scenario.
- ✓ Developed manual tools like sickles, weeder, seeder & Sprayer to increase its Capacity and reduce drudgery,
- ✓ Create water source by installing tubewell and developed improve methods of surface irrigation in rabi crops.

KVK Munger, DAO Munger, DFO MUNGER, ATMA MUNGER, ITC MUNGER AND NGO have help him technically. Economically and supervising his activities. Kvk Munger has trained him on IFS model and taken him to reputed agricultural research institutions (DRPCA of Pusa, BISA Pusa, BAU SABOUR, KVK MUNGER) under disposal kam travelling seminar/ program. DAO MUNGER, DFO MUNGER have given him subsidy to establish fish and poultry farming based IFS model. The scientist of KVK Munger and ITC limited have prepared DPR of IFS model and also helped to implement it properly.

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| 4. | <p>Details of Practices followed by the farmer : He has modified his sowing method, interculturing methods, Spraying methods of plant protection measures, harvesting methods & threshing methods to save Agril. inputs/resource to yields more with best quality in short duration. He has also been saved inputs (seeds, water, chemicals, fertilizer, labour plant protection measures) by</p> |
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	adopting mechanization, water management, post harvest management, innovative agril. technologies. He has established IFS model to save agril. inputs/resources. He has Saved 15-22% Seed, 30-40 inputs (water, plant protection measure, labour) by sowing different rabi crops with zero till seed cum fertilizer drill machine. He became able to sow 5-7 days earlier lentil, wheat, gram, mustard by zero tillage seed drill/planter in Tal land. He has Saved 20-25%-chemicals/fertilizer by using liquid biofertilizer (Rhyzobium, Azactobactor, pseudomonas, PSB, PSM) & liquid chemical major & minor nutrient applied in spray form. He has saved 15-35% irrigation water by using sprinkle irrigation method of irrigation in close grown rabi Crops He has also saved 65-75 % labour & 70-80% time by Using agril. mechanization in sowing, weeding, spraying, harvesting, thrashing & in cleaning/grading produce. He has achieved Rs 6000/year under PM Kisan Samman Yojana, crop's insurance amount. He has also gotten Subsidy on agril machineries, seeds, agril inputs, Plant Protection Measures from DAO & ATMA, Munger office. He has also achieved financial subsidy assistance from District Fishery officers & from DAHO & DAO, Munger to install flocks farming, IFS model, Goatry, duckary on his farm. He has also achieved financial assistance from Soil conservation deptt. to dug farm pond & from ADH, Munger to install vermicompost unit on his farms. He has also achieved financial assistance from Animal Husbandry deptt. to purchase cow, goat, other live Stocks. He has also taken financial adds from NGOs like. ITC Munger, BAIF etc. to conduct farm activities in his farms. He has been taken several times to the apex Agril research/ academic institutions by KVK, Munger & ATMA, Munger under exposure visit, kisan mela cum training programme. He has also been taken to Agril. intuitions to improved farmers' field in state and outside state by ATMA, Munger
5.	Results/ Output (economical/ social/ etc.) (Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome) : He has innovated different types of agril. machineries, technologies& processing machinries and fish farming practices. His innovated technologies, machineries, enterprises have been adopted by neighboring farmers. He has disseminated his innovated techniques among farmers by training them. The farmers of neighboring village have come on his innovated plot/farm to see extra activities. The farmers have seen his Standing Crops & installed bio fluccks fishery production unit. The fellow farmer of neighboring Villages have been doing agriculture & enterprise after his innovation techniques. The farmers have been sowing different crops by seed drill/ inclined plate planter. Some farmers have started bio. flocks method of fish farming. He has been providing innovated agril machineries on custom hire to other of farmers to perform agril. operation timely, with less cost without drudgery. He has been providing sex sprinkler, Pump set, acro tillage, Cutivatar, sprayer, Rotavator, manual tools, aerator, reaper, thresher, cleaner Cum grader to other farmers on custom hiring basis. More than 100 Students under RAWA have visited his innovated IFs model farm. They have visited and have earned knowledge related to fish farming, goatry, , poultry, field crops, horticultural crops, bio flocks, agril. machineries, his other agril. allied activities. ATMA, Munger has also taken more than

	hundred farmer of Munger district on his IFS model under exposure visit cum training programme
6.	Impact/ Outcome: (Determine the HIGHEST level of impact the program had on individuals, families, groups and or society-Provide as 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 tablestoillustrate a point.) : He has innovated different types of agril. Machineries, technologies& processing machineries and fish farming practices. His innovated technologies, machineries, enterprises have been adopted by neighboring farmers. He has disseminated his innovated techniques among farmers by training them. The farmers of neighboring village have come on his innovated plot/farm to see extra activities. The farmers have seen his Standing Crops & installed bio flocks fishery production unit. The fellow farmer of neighboring Villages have been doing agriculture & enterprise after his innovation techniques. The farmers have been sowing different crops by seed drill/ inclined plate planter. Some farmers have started bio. flocks method of fish farming. He has been providing innovated agril machineries on custom hire to other of farmers to perform agril. operation timely, with less cost without drudgery. He has been providing sprinkler, Pump set, zero tillage, Cutivatar, sprayer, Rotavator, manual tools, aerator, reaper, thresher, cleaner Cum grader to other farmers on custom hiring basis. More than 100 Students under RAWE have visited his innovated IFs model farm. They have visited and have earned knowledge related to fish farming, goatry, poultry, field crops, horticultural crops, bio flocks, agril. machineries, his other agril. allied activities. ATMA, Munger has also taken more than hundred farmer of Munger district on his IFS model under exposure visit cum training programme. He has enhanced socio economic level ,capability level of students, neighbouring farmers and other agriculture allied person by his installed IFS model and by giving training them. The neighbouring farmers have adopting his technology and earning more farm income incomplection to previous traditional farming. About 412 farmers have been following scientific method of fish farming , crop production and other entrepreneur by avoiding traditional method of farming. Now their socio economic level, attitude , thinking and behaviour have changed. The farming occupation has also change as entrepreneurial farming in place of traditional or live supporting farming.
7.	Future plans :His future plan is to enhance IFS model size to enhance farm income, employment, and proper utilisation of bio products. He will established training cum agriculture tour place at IFS model farm. He will train illiterate farmers to enhance there for income. He has also plan to marketing of fish , poultry and other agricultural produces with proper brand. We will also include mushroom production and vermicompost production unit as commercial unit.
8.	

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3. Economic Information

He has been doing of IFS model as commercial purpose and earning net income of Rs 1119488 annually. Previously his annual farm income was very low Rs 232400. Due to traditional farming his farm activities, cost economics are illustrated in following table.

i. Field crop:

Enterprise	Yield(q)	Gross Input cost(Rs/ha)	Gross Return (Rs/ha)	Net income(Rs/ha)	benefit Cost ratio (Gross return/ gross input cost)
Wheat	38	49760	104500	54740	2.10
Gram	15	39000	93600	54600	2.40
Lentil	16	39500	91430	51930	2.32
Mustard	12	29750	77350	47600	2.60
Mungbean	14	31320	81430	50110	2.60

ii. Horticultural crops:

Horticultural crops:	Yield(q)	Gross Input cost(Rs/ha)	Gross Return (Rs/ha)	Net income (Rs/ha)	benefit Cost ratio (Gross return/ gross input cost)
Mango	81	66330	243000	176670	3.66
Green pea (vegetable)	122	59032	183000	123968	3.1
Potato	330	113795	330000	216205	2.90

iii. Enterprise like livestock, fishery, piggery, Apiary:

Enterprise	Yield(q)	Gross Input cost(Rs/ha)	Gross Return (Rs/ha)	Net income (Rs/ha)	benefit Cost ratio (Gross return/ gross input cost)
Fish production in bio flocks	1	4167	15000	10833	3.6
Fish production in farm pond(0.1 ha)	8	42330	120000	77670	2.83
Vermicompost (810 cft)	18.75	4688	15000	10312	3.2
Poultry production (400 birds)	5.50	19650	82500	62850	4.2
Custom hiring (8 agril. Implements)	-	682000	864000	182000	3.3

On the basis of scientific method of farming and his realistic plan, proper action and futuristic thinking he became a successful entrepreneur in his locality. He also proved as a path pradarshak for other neighbouring farmers.

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1	DAO, MUNGER	Training, mechanization farm, Rab& Kharif mahotsav, Kisan Mela
2	JDA,MUNGER	Kisan gosthi & workshop
3	DDM NABARD	Training & Kisan gosthi
4	ITC,MUNGER	Training, field visit & Demonstration
6	Asst. Director Soil Conservation	Training & Demonstration
7	ATMA, MUNGER	Training & field visit, exhibition, scientist farmers meet, Kisan Mela
8	BAIF, MUNGER	Training , Kisan Mela & field visit
9	Asst. DIRECTOR PLANT PROTECTION, MUNGER	Training & field visit,
10	Asst. DIRECTOR Horticulture	Training & field visit, Kisan Mela cum exhibition

11	Asst. DIRECTOR Agril. Engg.	Training & field visit , Mechanization mela
12	Jeevika,Munger	Training & field visit , Kisan Mela
13	College of forestry & Research institute, Munger	Training & workshop
14.	District Fisheries officer, Munger	Training

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)-N/A

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(S q.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermin-compost production unit	2016	300	Esinia foetida	Vermin-compost	340 q	68474	340000	
	Total								

6.2. Performance of Instructional Farm (Crops) –N/A

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	

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

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

6.4. Performance of Instructional Farm (livestock and fisheries production) -N/A

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

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
20.01.2025	IMD	Working

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)
3	18	90	
3	16	90	
Total:6	34	300	

(For whole of the year)

6.7 Utilization of staff quarters

- Whether staff quarters have been completed: Completed
- No. of staff quarters: 11
- Date of completion: 1983

• Occupancy details: C- type

Months	Q I	QII	Q III	QIV	Q V	QVI	Q VII
	Block1				Block2		
January 2024 To December 2024	Sri Mukesh Kumar, Senior scientist & Head	Dr.Vinod Kumar, SMS Agron., KVK, Munger	Sri Prem Chandra Maurya, Programme Assist. Computer	Dr. Sujata Kumari SMS, Home Science	Er. Ashok Kumar SMS Agril. Engg.	Dr. Bishnu Deo Singh, SMS Agril. Extension Education July 2023	Sri Prahalad Kumar, Programme Assist. Lab
Months		Q I		QII		Q III	QIV
January 2024 To December 2024		Dharmendra Kumar, Stenographer, KVK, Munger	Jitendra Kumar,Driver, KVK, Munger		Sanjeev Kumar Singh ,Driver, KVK, Munger		Vacant

• Occupancy details: D- type

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving	UCO Bank, Munger	Bekapur, Munger	04280200020074

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	

7.3. 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 2022 (Not audited)

KRISHI VIKGYAN KENDRA, MUNGER					
Statement of Expenditure Report 2024-25 up to 31.12.2024					
Sl.	Head	Sanctioned	Receipt	EXPENDITURE	CLOSING
A	Pay & Allowance	16,348,254	14,991,110	12,270,319	2,796,352
	Opening Balance	16,257,428	75,561		
B	Contingency	1,085,000.00	846,350.00	888,162.00	196,838.00

	Opening Balance		19.00		
1	T.A.	100,000.00		87,804.00	12,196.00
2	H.R.D.	25,000.00		7,000.00	18,000.00
3	ST/POL	434,000.00		358,888.00	75,112.00
4	Training of Farmers	271,000.00	846,331.00	137,023.00	4,139.00
5	Training materials			71,778.00	
6	Training of Extension functionaries			-	
7	Training of Rural Youth			58,060.00	
8	FLD	120,000.00		65,168.00	54,832.00
9	OFT	65,000.00		56,051.00	8,949.00
10	Soil & Water Testing Lab			-	-
11	Maintenance of building	30,000.00		23,610.00	6,390.00
12	Extension activities/Exh./Kisan Mela	40,000.00		22,780.00	17,220.00
13	SCSP General	500,000.00	432,400.00	414,186.00	85,814.00
14	SCSP Capital	120,000.00	63,600.00	49,701.00	70,299.00
TOTAL -		18,053,254.00	16,409,021.00	13,622,368.00	3,149,303.00
Non Recurring					
1	RPL BEE-Keeping 1ST Batch	179,544.00	179,544.00	105,181.00	74,363.00
	RPL Vermicompost 1st Batch	193,980.00	193,980.00	114,386.00	79,594.00
	RPL BEE-Keeping 2nd Batch	179,544.00	179,544.00	99,168.00	80,376.00
	RPL Vermicompost 2nd Batch	193,980.00	193,980.00	106,314.00	87,666.00
	RPL BEE-Keeping 3rd Batch	179,544.00	179,544.00	2,870.00	176,674.00
	RPL Vermicompost 3rd Batch	193,980.00	193,980.00		193,980.00
2	Natural Farming Project	120,040.00	120,040.00	101,058.00	18,982.00
3	Millet Value Chain				-
4	CFLD Oilseed	812,875.00		475,506.00	(475,506.00)
	Linseed		-	108,100.00	(108,100.00)
	Mustard		-	313,880.00	(313,880.00)

	Travelling Allowance to T.A			2,500.00	(2,500.00)
	Exp. on Farmers Training			51,026.00	(51,026.00)
5	CFLD Pulses (Model Village)	758,750.00		-	-

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)
2021	1557999.76	1348393.00	1277665.98	1628726.78
2022	1628726.78	1750045.00	1167820.82	2210950.96
2023	2210950.96	3719184.00	2720941.00	3209193.96
2024	3209193.96	1658700.00	1543549.00	3324344.96

7.6 (i) Number of SHGs formed by KVKs - 01

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

CFLD of oilseed and pulses, Training and awareness program, advise

(iii) Details of marketing channels created for the SHGs

The member of different SHGs have been linked with NABARD, Gramin Bank and other nationalized bank by opening account number of SHGs. NABARD has given financial support to different new and previous existing SHGs. They have produced products and sold it to ATMA, office or other local whole seller shop. They were registered in ATMA. They have been linked to self produce in different distance market by ATMA, Munger. The scientist of KVK have co-operated SHGs as above mentioned work. They have also bridge them to above institutions to create channel for achieving technical knowledge related to production.

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	Both
Training	3	Rabi 2024	ADPP, Munger	-	-
Kharif & rabi Mahotsav	4	Kharif & rabi 2024	DAO	ATMA	Both

Training	7	Kharif & rabi 2024	-	ATMA	-
Training & Field visit	5	Kharif & rabi 2024	DAO,Munger	-	-
Training, Field visit & Development of demonstration unit	8	Kharif & rabi 2024	ITC,Munger , Pravah(NGO) Munger	-	-
Training	18	Kharif & rabi 2024	BAO,Munger & other blocks	ATMA	Both
Training & Work shop	6	Kharif & rabi 2024	DAO,Munger	ATMA	Both
Workshop	1	Kharif & rabi 2024	JDA,Munger	-	-
Training	4	2024	UCO RSETI, Munger		
Refinement of Technology	1	2024	ATMA	-	ATMA
Training and kisan mela mechanization	3	2024	AD Agril Engg. & soil conservation		
Training and kisan mela exhibition	3	2024	ADH, Munger		

7.8 Revenue generation-N/A

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.			
2.			

7.9 Resource Generation-N/A

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure 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)
Wilt	Lentil & chickpea	18.11.2024	365	9	Seed treatment & foliar application of fungicides 365 ha

8.2. Prevalent diseases in Livestock/Fishery –N/A

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- N/A

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- N/A

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

8.7. Vikisit 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 / Agril. technologies
1.	34	34	6971	34

8.8. Contingent crop planning

Name of the state	Name of district/KVK	Thematic area	Number of programmes organized	Number of Farmers contacted	A brief about contingent plan executed by the KVK
Bihar	Munger	Cropping system, Water management and vegetable cultivation	08	342	Life saving irrigation for standing crop . Sowing of short duration vegetable or paddy in drought area. In draught situation millets & short duration vegetables / paddy are recommended to cultivate.

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)
25.09.2024	Ex. M.P. Sri Anand Mohan Singh		Visited HI tech nursery, millet crops and other demo units of KVK . Interacted with multi disciplinary scientists and staffs of KVK. Appreciated the work of KVK Munger and suggested further development of Demo unit of KVK

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date	No of participants	Total statutory members present (state line department)	Salient recommendations	Action Taken	If not, State reason
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29.06.2024	45	8	Work on INM, water management, mechanization, PHT, crop diversification, capacity building, weed management, vegetable and fruit cultivation, value addition	96 % of target has been achieved	
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**Salient recommendations of SAC in bullet points*

Details of other meeting related to ATARI -N/A

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+16=34	180

10. Any other programme organized by KVK, -N/A

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

11.1. Details of Cereal Systems Initiative for South Asia (CSISA)-N/A

[illegible]

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	No. of other programmes or aginsed (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):N/A

c. Achievements of physical outcome under TSP during 2024-N/A

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

d. Location and Beneficiary Details during 2024-N/A

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

Name of KVK	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											

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	4	128
b.	Women	3	105
c.	Rural Youths	1	25
d.	Extension Personnel	1	38
2)	OFT	No. of OFTs	No. of beneficiaries
		0	0
3)	FLD	No. of FLDs	No. of beneficiaries

		8	1809
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		15	128
5)	Other activities		
a.	Participants in extension activities (No.)	12	
b.	Production of seed (q)	8.2	
c.	Production of Planting material (No. in lakh)	0.02200	
d.	Production of Livestock strains (No. in lakh)	0.0	
e.	Production of fingerlings (No. in lakh)	0.0	
FTSP	Testing of Soil, water, plant, manures samples (Nos.)	35	

11.4. NICRA (Technology Demonstration component) –N/A

Overall achievements

Basic Information

KVKs Name	Districts data				NICRA Adopted village					
	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 groundwater 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

Rainwaterharvestingstructuresdeveloped

New(Nos.)	Renovated(Nos.)	Total	Storagecapacity (cu m)	Protectiveirrigationpotential(ha)	Cropping Intensity (%) increase

Performanceofdifferentdroughttolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentshort duration rice varieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCos t	NetReturn	BCR

Performanceofdifferentfloodtolerantvarieties

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCos t	NetReturn	BCR

Performanceofadvancementofplantingdatesindifferentcrops

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCos t	NetReturn	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)	Technologydemonstrated	No.of farmers	Area(ha)/ Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

PerformanceofdifferentcropdiversificationinNICRAvillages

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofotherdemonstration

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofdifferentfodderdemonstrationincommunitylands

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofimprovedfodder

FST type	Crop / season (name)	Technologydemonstrated	No.of farmers	Area(ha)/Unit	Yield (q/ha)	Economicsofdemonstration(Rs/ha)		
						GrossCost	NetReturn	BCR

Performanceofvariousvaccinationcampsorganized

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

--	--	--	--	--	--	--	--	--

Performance of livestock demonstration in NICRA adopted villages (poultry)

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

Performance of improved shelters for poultry and dairy animals

FST	Technology demonstrated	No. of farmers	Demo. Unit size (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

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

Success Stories (1-2 nos.)

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) –N/A

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 businesses

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

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

11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI) –N/A

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

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		
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.		Backyard/Kitchen Garden			
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

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

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entrepreneurial unit (No.)	No. of Groups Formed for establishment of unit	No. of Members in each Group	No. of Groups active	No. of person left the group	Total Viable unit (No.)	Average size of each entrepreneurial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit/Year (Rs.)	Economic Gains/ unit (Rs.)	B: C Ratio	Employment generated/ year (manday @ 8 hr/
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									up									day)

11.8 Out-scaling of Natural Farming Format

Geographical information

Name of State									Bihar								
Name of KVK									Munger								
Agro Climatic Zone of Village/KVK																	
Farming Situation of the Selected Farmer/KVK				Rainfed Situation					Latitude (N)				Longitude (E)				
									25.3706°				86.49977°				

Physical information

Name of KVK	Name of activity	No of activities organized	No of participants	Participants (Male)						Participants (Female)					
				GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total
	Training	14	537	83	105	33	1	0	212	56	155	78	35	1	335
	Awareness	18	1350	218	320	146	19	15	561	140	200	141	18	7	238
	Demonstration	13	13	1			3						9		13
	Other activities	6	315	55	71	39	4	2	171	51	62	29	2	4	144

Training information

Title of Natural	Date of Training	Venue of	Participants (Male)	Participants (Female)	Remarks/ Observation/Feedba
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Farming training Programme		programme													GT	ck Recorded
			GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total		
Methods Preparation of natural inputs	6-7/1/2024	On	15	10	8	1	0	24	3	5	6	1	0	15	39	Unavailability of indigeneous cow. (cow dung & urine) Marginal farmer has poor adoption of this technology.
Applicationo of natural inputs in cereals and pulses	29-29/3/2024	On	5	24	0	0	0	29	0	0	6		1	7	36	The process is time taking. Lack of cow dung.
Basic principles &importance of natural farming of natural farming	30-31/3/2024	On	2	3	2	0	0	7	4	9	11	7	0	31	38	
Preparation of Bijamrit Jivaamrit and ghanjivamrit	20/4/2024	Off	0	0	0	0	0	0	0	0	0	25	0	25	25	
Mulching , intercropping and crop residue in NFcrop production	11/6/2024	On	4	1	5	0	0	10	3	11	4	0	0	18	28	
Methods preparation natural pesticide Nimastra agniastr,	5/7/2024	On	7	4	2	0	0	13	3	5	4	0	0	12	25	

brahmastr, dasparni ark inputs																
Application of natural pesticide inputs in NF	7/8/2024	off	10	9	0	0	0	19	9	12	10	0	0	31	50	
Future prospectus &importance of NF	30/8/2024	off	12	8	0	0	0	20	7	14	0	0	0	21	41	
Benefits of Natural farming components	4/9/2024	On	7	8	2	0	0	17	7	15	2	0	0	24	41	
Application of N.F component uses in millets, veg	5/9/2024	off	8	12	0	0	0	20	6	10	4	0	0	20	40	
Application of N.F component use in millets, veg	10/9/2024	off	1	4	10	0	0	15	3	30	0	0	0	43	48	
Weed management in crops millets , veg fruits through natural farming component	11/9/2024	off	8	10	0	0	0	18	7	20	0	0	0	27	45	
Method preparation of N.F	18/11/2024	On	0	3	1	0	0	4	3	16	19	2	0	40	44	

component for Rabi crops																
Application of N.F component in Rabi crops	3/12/2024	off	4	9	3	0	0	16	1	8	12	0	0	21	37	
	Total		83	105	33	1	0	212	56	155	78	35	1	335	537	

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
			GE N	OB C	SC	S T	Othe rs	Tota l	GE N	OB C	SC	S T	Oth ers	Total		
Future prospectus of Natural farming	1/1/2024	Tetia bunber	15	20	35	0	0	70	15	10	5		0		101	Unavailability of indigeneous cow. (cow dung & urine) Marginal farmer has poor adoption of this technology. The process is time taking. Lack of cow dung
Importance indigenous cow for natural farming	2/1/2024	Dhauri	14	30	15	0	0	59	5	19	5				112	
Application of N.F component	4/1/2024	Rampur	9	16	18	0	0		20	15	9	0	0		95	

use in agriculture																
Weed management in natural farming	5/1/2024	dadrijala	19	26	12	0	0		14	21	15	0	0		120	
Preparation of Bijamrit Jivaamrit and ghanjivamrit	8/1/2024	Launa	7	12	4	5	0		16	29	19	0	0		130	
Mulching, intercropping and crop residue in NF	11/1/2024	Nauwgagdhi	13	9	3	4	0		15	14	22	0	0		122	
Preparation of Bijamrit Jivaamrit and ghanjivamrit	8/1/2024	charan	14	10	5	1	2	32	6	10	5	2	0	23	55	
Nimastra agniast, brahmastra, Dasparni ark inputs in NF	18/1/2024	panchruchi	10	10	6	2	2	30	9	10	6	2	1	28	58	
Application of natural pesticide inputs in NF	19/1/2024	Dashrathi	9	17	5	1	1	33	7	12	8	1	1	29	62	
Preparation of Bijamrit	20/1/2024	Patam	6	8	6	0	0	20	2	3	4	0	0	9	29	

Jivaamrit and ghanjivamrit for summer crops																
Use of Bijamrit, Jivaamrit and ghanjivamrit for summer crops	13/3/2024	Madhuban , Parsando	5	18	3	0	0	26	3	6	2	0	0	11	37	
Preparation Nimastra Agniastra, Brahmastra , Dasparni ark inputs in NF	30/3/2024	Launa	12	9	8	0	3	32	4	5	12	0	2	23	55	
Soil sustain by adoption for natural farming practice	6/6/2024	Asarganj	25	31	10	2	5	73	12	18	16	8	1	55	128	
Package of practices in kharif crop NF	7/6/2024	Patam	9	12	0	0	0	21	6	15	8	0	2	31	52	
Application of natural inputs in Agriculture	15/7/2024	Banhara	13	22	1	0	2	38	3	3	1	2	0	9	47	
Use of Nimastra Agniastra,	28/8/2024	Mirzachak	4	40	2	1	0	47	2	4	0	1	0	7	54	

Brahmasta Dasparni ark inputs in NF																
Basic principle of natural farming	25/09/2024	Haveli kharagpur	9	23	7	1	0	40	0	2	2	1	0	5	45	
Method organic inputs preparation NF	11/11/2024	Safiabad Jamalpur	25	7	6	2	0	40	1	4	2	1	0	8	48	
	Total		218	320	146	19	15	561	140	200	141	18	7	238	1350	

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 Demonstration 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)
Munger	6	6	11	45	20	12	

Demonstration Information

KVK/ Farmer wise information of demonstration conducted till date Annex-1			
Name of State		Bihar	
Name of KVK/Farmer where demonstration conducted		KVK Munger/Umbhi VanBarsha	
Address of Farmer with contact details		Attached separate enclosure I	
AgroClimatic Zone of KVK/Village of farmer		III A	
Cropping pattern of KVK plot/ Farmer plot		Maize – wheat, Maize – Chickpea	
Farming Situation of the Selected KVK/Farmer		Latitude (N)	Longitude (E)
		25.27913°	86.535293°

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
KVK Demonstration	Wheat	Tipu ya	Rabi 2023-24	Jivamrit/ghamamrit, Neemastra, Mulching, Line Sowing	0.25	Recorded Package of Practice, Breeder seed, Certified Seed, NPK	Plant height (cm)	99.2	96.1
							Other relevant parameter (1000 gm wt)	Good tillers, good spike length, More no. of grains	Poor tillers, poor length of spike, Less No of

									grains
							Yield (q/ha)	22.1	33.1
							Cost of cultivation (Rs/ha)	35200	26800
							Gross Return (Rs/ha)	61800	71380
							Net Return (Rs/ha)	36180	35080
							B:C Ratio		
							Soil PH	<u>7.11</u>	<u>7.08</u>
							Soil OC (%)	<u>0.22</u>	<u>0.39</u>
							Soil EC (dS/m)	<u>0.187</u>	<u>0.18</u>
							Available N (Kg/ha)	<u>215.1</u>	<u>226.3</u>
							Available P (Kg/ha)	<u>24.3</u>	<u>27.1</u>
							Available K (Kg/ha)	<u>189.5</u>	<u>198.0</u>
							Soil Microbes (Bacteria) (CFU*10 ⁷ per g dry soil)	<u>10.9</u>	<u>12.11</u>
							Any other,		

							specify		
Feedback of farmer	Use of natural inputs like beejamrit, jeevamrit, neemastra, etc improved soil health Yield decreases due to no use of chemical fertilizers and fully dependent on natural farming components, <u>Faced difficulty in controlling weed, insect and pest population.</u>								

Information of Farmer Already Practicing Natural Farming

S. No.	Name of District	Name of Farmer	Name of Village and address with contact No	No. of Indigenous (Desi Cows)	Land Holding (ha)	Normal Crops Grown	No. of Years practicing in Natural Farming	Area (ha) Covered under Natural Farming	Crop Grown under Natural Farming	Natural Farming Technology practicing/ Adopted	Observations Recorded		
											Name of parameter	Performance	
												Without NF practice	With NF practice
1.	Munger	Satya Dev Singh	Launa	Sahiwal hybrid	6.0	Rice Wheat	3	0.6	Wheat	Local variety/ Tipiua Vermicompost, Compost, F Mulching	Plant height (cm)	<u>96.2</u>	<u>98.7</u>
2.	Munger	Akshay Kumar	Launa	Sahiwal	2.5	Rice Wheat	3	0.4	Wheat	Local variety/ Tipiua Vermicompost, Compost, FYM, Mulching	Other relevant parameter (1000 gm wt)	Good tillers, good spike length, More no. of grains	Poor tillers, poor length of spike, Less No of grains
		Rajendra	Prasand								Yield (q/ha)	<u>33.8</u>	<u>18.5</u>
											Cost of	<u>43250</u>	<u>27500</u>

Table 1: Socio-economic and agronomic characteristics of the study area												150		
3.	Munger	Singh	o	Sahiw al hybrid	5.0	Rice Wheat	2	0.4	Wheat	Local variety/ Tipiua Vermicompost, Compost, FYM, Mulching	cultivation (Rs/ha)			
											Gross Return (Rs/ha)	<u>51800</u>	<u>51800</u>	
											Net Return (Rs/ha)	<u>72670</u>	<u>29420</u>	
											B:C Ratio	<u>1.68</u>	<u>1.88</u>	
											Soil PH	<u>7.31</u>	<u>7.23</u>	
4.	Munger	Jitendra Roy	Prasand o	Sahiw al	6.0	Rice Wheat	2	0.5	Wheat	Local variety/ Tipiua Vermicompost, Compost, FYM, Mulching	Soil OC (%)	<u>0.29</u>	<u>0.38</u>	
											Soil EC (dS/m)	<u>0.329</u>	<u>0.307</u>	
											Available N (Kg/ha)	<u>206.4</u>	<u>216.3</u>	
5.	Munger	Niranjan Singh	Parsand o	Desi							Available P (Kg/ha)	<u>15.2</u>	<u>16.9</u>	
											Available K (Kg/ha)	<u>109.5</u>	<u>115.9</u>	
6.	Munger	Mritunjay Kumar Roy	Parsand o	Desi	2.5	Rice, Wheat	3.0	0.6	Wheat	Local variety/ Tipiua Vermicompost, Compost, FYM, Mulching	Soil Microbes (Bacteria) (CFU*10 ⁷ per g dry soil)	<u>10.16</u>	<u>12.10</u>	
	Munger	Dhananja y Kumar Singh	Paharpu r	Local Sahiw al	2.0	Rice Wheat	2.0	0.4	Wheat	Do				
8.	Munger	Rituraj Kumar	Paharpu r	Desi	2.0	Rice Wheat	3.0	0.4	Wheat	Do				
	Munger	Rinku Devi	Borna	Desi	1.5	Rice Wheat	3.0	0.4	Wheat	Do				
9.														

10	Munger	Medo Prasad Yadav	Borna	Desi	2.5	Rice Wheat	3.0	0.4	Wheat	Do			
11	Munger	Indradev koda	Goraiya	Desi	1.5	Rice Wheat	3.0	0.4	Wheat	Do			
12	Munger	Jaya Devi	Bangalwa	Desi	1.5	Rice Wheat	3.0	0.4	Wheat	Do			

Feedback of farmer: Use of natural inputs like beejamrit, jeevamrit, neemastra, etc improved soil health.
Yield decreases due to no use of chemical fertilizers and fully dependent on natural farming components,
Faced difficulty in controlling weed, insect and pest population.

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Rabi (2023-24)	Wheat	7.11	0.181	0.26	219.1	25.6	193.5	11.25	7.08	0.18	0.39	226.3	27.1	198.0	12.11

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)
Rabi (2023- 24)	Wheat	7.11	0.183	0.24	218.6	25.1	191.4	11.05	7.11	0.187	0.22	215.1	24.3	189.5	10.09

Soil Parameter for Demo plot at Farmer's Field

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Rabi (2023- 24)	Wheat	7.33	0.311	0.31	210.7	15.3	113.8	10.63	7.23	0.307	0.38	216.3	16.9	115.9	12.10

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

Season	Crop	Before crop sowing							After harvesting						
		pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pH	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Rabi (2023- 24)	Wheat	7.32	0.311	0.32	210.7	15.7	113.5	10.84	7.31	0.329	0.29	206.4	15.2	109.5	10.16

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	14	120040.00	41964.00	41964.00
Awareness Programme	18		20076.00	20076.00
Demonstration	13		48000.00	48000.00
Miscellaneous	6		10000.00	10000.00
Total			120040.00	120040.00

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

11.7 CRA (Climate Resilient Agriculture) - Completed 1st phase in 2023-24

[illegible]

11.8 District Agro Meteorological Unit (DAMU) –N/A

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-N/A

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

11.10 Agri-Drone –N/A

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- N/A

	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. –N/A

[illegible]

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)

ESTIMATE OF EXPENDITURE

A. NON RECURRING

Sl. No.	Particulars	(Rs. In lakh.)
1.	Cultivation of crops in 0.75 acre of land	0.60
2.	Vermi- Compost 04 pit @(10x3x2.5 ft.) with shed	0.60
3.	Making arrangement for water	1.00
4.	Construction of dairy units (20x15 ft.)	2.00
5.	Construction of goat shed	1.60
6.	Purchasing of Equipments / Utensils / Vehicles	0.25

Total	6.05
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B. RECCURING

Sl. No.	Particulars	(Rs. in lakh.)
1.	Purchasing of 2 cow @ 60000 per cow	1.20
2.	Purchasing of 24 kg earth worms @ 250 per kg	0.06
3.	Purchasing of feeds for cattle	0.40
4.	Purchase of feed for goat	0.30
5.	Purchasing of drugs and Vaccines	0.10
6.	Operating cost (one worker @ 7000) for 12 months	0.84
6.	Miscellaneous cost and other unforeseen expenditure	0.25
Total		3.15

Grand total =A + B = 6.05+ 3.15= 9.20 lakh(Rupees nine lakh twenty thousand only)

COMPONENTS

1. A cropping farm of 0.75 acre size
2. A dairy unit
3. A goatry unit
4. Vermi-compost unit of 4 beds.

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Cropping Farm	0.4	Madua , Sawan				
2	Vermi compost	0.1		16400	73200	4	-

b. Activities under IFS

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.	Vermicompost	1	90 sq. feet	2	3	0	60
2.	Madua		0.3	0	0	0	0
3.	Sawan		0.1	0	0	0	0

12.2 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service- N/A

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 –N/A

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 (15-30.09.2024)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15 days(15-30.09.2024)	15	92	720	218	1030

b. Observation of SwachtaPakhwada (15 Dec -31st Dec 2024) – N/A

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total

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

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting	4	0.00
S.No	Activities	Name of activities conducted	Total Expenditure
1.	Activities under Swachata Other than vermicomposting	Office ,premises cleanliness & other places	96,000.00

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