ANNUAL REPORT



January to December 2024

Submitted at-

ICAR-ATARI, Zone-IV, Patna

2024



Submitted by -

Krishi Vigyan Kendra Gumla

Vikas Bharti Bishunpur

Dist-Gumla, Jharkhand 835231

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

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telep	ohone	F 21
Address	Office	FAX	E mail
Krishi Vigyan Kendra, Gumla Vikas Bharti Bishunpur Po – Bishnpur Dist – Gumla PIN – 835 231 State - Jharkhand	06523-297004	-	kvk.gumla@gmail.com Website -gumla.kvk4.in

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

Address	Telephone		E mail
	Office FAX		
Vikas Bharti Bishunpur			
PO – Bishnpur			vikasbharti1983@hotmail.com
Dist – Gumla	-	-	
PIN – 835 231			Website: www.vikasbharti.org
State - Jharkhand			

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

Name	Telephone / Contact					
	Residence	Mobile	Email			
Dr. Sanjay Kumar Krishi Vigyan Kendra, Gumla Vikas Bharti Bishunpur PO – Bishnpur Dist – Gumla PIN – 835 231 State - Jharkhand	-	7366082870	drsanjaykumar.kvk@gmail.			

1.4. Year of sanction of KVK with council order No. and date: F. No. 6-1/1998-AE-1 dated May 20, 2004

1.5 Year of start of KVK: May 20, 2004

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

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist & Head	Dr. Sanjay Kumar	Senior Scientist & Head	Agronomy	187200 Level-13A	09/02/06	Extension period	Others
2.	Subject Matter Specialist	Mr. Sunil Kumar	Subject Matter Specialist	Horticulture	84900 Level- 10	03/06/06	Permanent	OBC
3.	Subject Matter Specialist	Mr. Neeraj Kumar Vaishya	Subject Matter Specialist	Soil Science	84900 Level- 10	05/06/06	Permanent	OBC
4.	Subject Matter Specialist	Mrs. Nisha Tiwari	Subject Matter Specialist	Home Science	69000 Level- 10	24/04/09	Permanent	Others
5.	Subject Matter Specialist	Atal Bihari Tiwari	Subject Matter Specialist	Plant Protection	67000 Level- 10	01/11/13	Permanent	Others
6.	Subject Matter Specialist	Er. Eno Rai	Subject Matter Specialist	Ag. Eng	67000 Level- 10	01/11/13	Permanent	OBC
7.	Subject Matter Specialist	Dr. Binod Kumar	Subject Matter Specialist	Vet. & Ani. Sc.	59500 Level- 10	18/10/16	Permanent	OBC
8.	Farm Manager	Mr. Rajeev Kumar Singh	Farm Manager	B. Sc. (Ag)	55200 Level- 6	14/01/06	Permanent	Others
9.	Computer Programmer	Mrs. Sweta Vishwakarma	Programme Assistant (Computer)	BCA	55200 Level- 6	14/01/06	Permanent	OBC
10.	Accountant / Superintendent	Mr. Ratan Oraon	Programme Assistant (Accounts)	B.A.	55200 Level- 6	14/01/06	Permanent	ST
11.	Programme Assistant	Mr. Mritunjay Kumar Singh	Programme Assistant	B. Sc. (Ag)	53600 Level- 6	01/02/07	Permanent	Others
12.	Stenographer	Miss Sheela Kumari	Stenographer-cum-typist	B.A.	31400 Level- 4	05/06/06	Retired on 31st Jan 2025	
13.	Driver	Mr. Abhitendra Oraon	Driver	I.A	29300 Level-3	14/01/06	Permanent	ST
14.	Driver	Mr. Jeetendra Kherwar	Driver	Matric	26000 Level-3	01/11/13	Permanent	ST
15.	Supporting staff	Mr. Ajay Oraon	Supporting Staff	I.A.	25600 Level-1	14/01/06	Permanent	ST
16.	Supporting staff	Mr. Ramesh Oraon	Supporting staff	Matric	25600 Level-1	28/01/06	Permanent	ST

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of Infrastructure
1	Under Buildings	0.12	Under Buildings
2.	Under Demonstration Units	0.13	Under Demonstration Units
3.	Under Crops	9.00	Under Crops
4.	Orchard/Agro-forestry	11.00	Orchard/Agro-forestry
5.	Others with details		Others with details
6.	Total	20.25	

1.7. Infrastructure Development: A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally compl-	Plinth area (sq.m)	Functio nal/ non- functio nal*	Source of funding
1.	Administrative Building	-	-	-	-	1	500	use	ICAR
2.	Farmers Hostel	-	-	-	-	√	305	use	ICAR
3.	Staff Quarters (6)	-	-	-	-	√	400	use	ICAR
4.	Piggery unit	-	-	-	-				
5	Fencing	-	-	-	-	√	2100	use	ICAR
6	Rain Water harvesting structure	-	-	-	-	V	Jal kund (2x2x1m)-16 nos Pond (30x40x3m) - 1 no 5% model (6 ft) –17 nos Sprinkler - 4 ha Drip - 2 ha	*NF F F NF NF	ICAR
7	Threshing floor	-	-	-	-	$\sqrt{}$	100' x100'	use	ICAR
8	Farm go down	-	-	-	-	1	(25 x 25) sq ft	use	ICAR
9	IFS	-	-	-	-	√	-	use	ICAR
i	Dairy unit	-	-	-	-	1	-	use	

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally compl- eted	Plinth area (sq.m)	Functio nal/ non- functio nal*	Source of funding
ii	Goatry unit	-	-	-	-	$\sqrt{}$	-	use	ICAR
iii	Mushroom production unit	-	-	-	-	$\sqrt{}$	-	use	ICAR
iv	Vermi Compost Production	-	-	-	-	√	-	use	ICAR
	Unit								
10	Bee keeping	-	-	-	-	$\sqrt{}$	-	-	ICAR
11	Shade house	-	-	-	-	-	-	-	
12	Soil test Lab	-	-	-	-	√	-	use	ICAR
13	Poultry unit	-	-	-	-	-	-	-	-
14	Mushroom Lab	-	-	-	-	√	-	use	ICAR
15	WBM Road	-	-	-	-	V	1 km	use	ICAR
16	Irrigation Channel	-	-	-	-	V	1100 ft	use	ICAR

^{*} F- Functional NF- Non Functional

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
2 nd Bolero SLX (JH-01BF 1226)	March 2014	799969.00	278387 km	Good
Motor cycle (JH-07F 6435)	Nov 2015	119580.00	7107 km	Good
Motor cycle (JH-07F 9320)	Nov 2015	119380.00	7945 km	Good
2 nd Tractor (JH 08 F 2076)	March 2017	697199.00	312.4 Hrs	Good

N	ame of the equipment	Qty	Head	Year of purchase	Cost (Rs.)	Present status
a. Farm	Tractor	01	ICAR	2005	349454.00	Condemned
machinery	Tractor (JH 08 F 2076)	01	ICAR	2017	697199.00	Working
&	Trialer	01	ICAR	2005	55555.55	Working
implements	Disk plough	01	ICAR	2005	7407.41	Not Working
•	Leveler	01	ICAR	2005	6481.48	Not Working
	Cultivator	01	ICAR	2005	10185.20	Not Working
	Disk Harrow	01	ICAR	2005	10185.18	Not Working
	Seed drill	01	ICAR	2005	12962.96	Not Working
	Belt pulley	01	ICAR	2005	2770.78	Not Working
	Cage Wheel	01	ICAR	2005	4629.63	Not Working
	Disk harrow new	01	ICAR	2010	27000.00	Working
	Cultivator new	01	ICAR	2010	18300.00	Working
	Sprayer (1/2 HP)	01	ICAR	2010	5800.00	Working
	Zero Tillage	01	ICAR	2010	32700.00	Working
	Weight machine (100 kg)	01	ICAR	2009	8528.00	Working
	Wheat Thresher	01	ICAR	2011	80015.00	Working
	Power chain saw	01	ICAR	2011	36500.00	Working
	Rotavator	01	ICAR	2012	80000.00	Working
	Paddy Thresher	01	ICAR	2012	105000.00	Working
	Tube well	01	ICAK	2012	103000.00	WOIKING
	Submersible pump	01	ICAR	2007	18500.00	Working
	Control panel 415 volt	01	ICAR	2007	6000.00	Working
	PVC column pipe	250	ICAR	2007	11250.00	Working
	Submersible wire	100 m	ICAR	2007	4700.00	Working
	Generator 7.5 KVA &	01	ICAR	2007	57763.00	Working
	Alternator	01	ICAK	2007	37703.00	Working
	Rainwater harvesting					
	Kirloskar pump set 10 HP	01	ICAR	2007	35000.00	Working
	attached with HW 6D pump					
	PVC pipe 110 mm x 4 k/sq cm	300 m	ICAR	2007	541944.40	Working
	PVC pipe 90 mm x 4 k/sq cm	396 m	ICAR	2007	33379.63	Working
	PVC pipe 75 mm x 4 k/sq cm	228 m	ICAR	2007	13716.80	Working
	PVC pipe 63 mm x 4 k/sq cm	594 m	ICAR	2007	24957.50	Working
	30 ltr fertigation tank	02	ICAR	2007	15641.60	Working
	Spin clean filter 25 m ³ /hr ²	01	ICAR	2007	10778.77	Working
	Clean water 25m ³ /hr ²	01	ICAR	2007	28577.80	Working
	PVC pipe 110 m x 6 k/cm ²	204 m	ICAR	2007	36852.19	Working
	ORC HDPC pipe 75 mx4 kg/cm ²	125 no	ICAR	2007	110110.00	Working
	Overhead sprinkler	32 no	ICAR	2007	12480.00	Working
	Solar panel	01	ICAR	2016	799500.00	Working
	Bush cutter	01	ICAR	2017	29500.00	Working
	Transformer set	01	ICAR	2022	439402.00	Working
b. Office	Table (Conference table)	03	ICAR	2006	16500.00	Working
furniture	Table (Conference table)	08		2012		Working
etc		+	ICAR		156636.00	_
cit.	Table (Conference table)	02 04	ICAR	2013	39900.00	Working
	Table (medium size with drawer)	04	ICAR	2006	13200.00	Working

Name of the equipment	Qty	Head	Year of purchase	Cost (Rs.)	Present status
Steel Almirah	02	ICAR	2009	13838.00	Working
Book Shelf	01	ICAR	2009	5456.00	Working
Table (5 x 3) size	02	ICAR	2009	11138.00	Working
Chair (revolving)	02	ICAR	2009	4838.00	Working
Sethi	06	ICAR	2013	125913.00	Working
Corner table	02	ICAR	2013	33972.00	Working
TV Table	01	ICAR	2013	11172.00	Working
Foot rest	06	ICAR	2013	24054.00	Working
Chair plastic (neelkamal)	63	ICAR	2005	28350.00	Not Working
S-Type chair (steel)	10	ICAR	2006	3900.00	Working
Tube chair	20	ICAR	2005	31000.00	Working
Tube chair	14	ICAR	2006	16100.00	Working
Wooden chair	16	ICAR	2005	24800.00	Working
Wooden chair	36	ICAR	2012	116964.00	Working
Wooden chair	06	ICAR	2012	21204.00	Working
Computer table	01	ICAR	2006	3100.00	Working
Chair with writing pad	09	ICAR	2005	2925.00	Not Working
Revolving chair	06	ICAR	2008	27000.00	Working
Visitors chair	12	ICAR	2008	45000.00	Working
Steel almirah	05	ICAR	2006	21000.00	Working
Steel almirah	02	ICAR	2013	21660.00	Working
Book self	04	ICAR	2006	16400.00	Working
Book self	01	ICAR	2013	9690.00	Working
Executive chair	01	ICAR	2006	1700.00	Working
Executive chair	07	ICAR	2012	43092.00	Working
Table (T9)	02	ICAR	2007	17244.44	Working
Table (19) Table (executive)	01	ICAR	2007	20813.00	Working
Chair (Revolving)	08	ICAR	2017	83970.00	Working
Chair (Revolving) Chair (Ch 1112)	02	ICAR	2007	4700.00	Working
Rack	01	ICAR	2007	4000.00	Working
Rack	08	ICAR	2013	21660.00	Working
Training hall desk and bench	20	ICAR	2017	67746.00	Working
Godrej Almirah	01	ICAR	2019	21023.98	Working
Book shelf	01	IACR	2019	26397.99	Working
Chair	02	ICAR	2019	27705.99	Working
Wooden Sofa Set	01	ICAR	2018	35000.00	Working
Centre Table with glass	01	ICAR	2018	6800.00	Working
Computer chair	01	ICAR	2009	1631.25	Working
Visitors chair	15	ICAR	2009	24468.75	Working
Visitors chair	04	ICAR	2013	11172.00	Working
Steel Almirah	02	ICAR	2009	13500.00	Working
Generator (8 HP)	01	ICAR	2009	49500.00	Working
*Ceiling Fan	37	Vikas Bharti	2008		Working
Executive chair	01	ICAR	2023	23950.00	Working
Plato chair	02	ICAR	2023	22539.00	Working
Recliner chair (Godrej)	01	ICAR	2023	28843.00	Working
File cabiner (2 drawer)	01	ICAR	2023	17550.00	Working
Godrej pluto chair	02	ICAR	2023	22539.00	Working
Chair (Revolving)	01	ICAR	2023	23950.00	Working
Recliner chair (Godrej)	01	ICAR	2023	28843.00	Working
Almirah	01	ICAR	2023	35919.00	Working
File cabinet	01	ICAR	2023	17550.00	Working
Revolving chair	02	ICAR	2022	11000.00	Working
Plastic chair	30	ICAR	2024	30750.00	Working
Stand fan	02	ICAR	2024	6510.00	Working
Almirah	01	ICAR	2011	3900.00	Working
Almirah (Small)	01	ICAR	2012	1950.00	Working
	1				ت ت

Na	ame of the equipment	Qty	Head	Year of purchase	Cost (Rs.)	Present status
	Table	06	ICAR	2008	118400.00	Working
	Computer table	01	ICAR	2009	4500.00	Not Working
	Pantry table	01	ICAR	2013	20406.00	Working
	Computer table	01	ICAR	2024	15000.00	Working
c. Office	Computer chair	01	ICAR	2006	1300.00	Working
equipments	Computer	01	ICAR	2007	21849.98	Working
	Camera (S.C 600 Sony)	01	ICAR	2007	13990.00	Working
	Fax machine	01	ICAR	2007	9880.00	Not Working
	File cabinet	02	ICAR	2007	23949.00	Working
	File cabinet	01	ICAR	2013	17120.00	Working
	Generator (200 AC)	01	ICAR	2007	41200.00	Working
	Printer (color)	01	ICAR	2006	2975.00	Not Working
	Printer (Laser)	01	ICAR	2007	16536.00	Not Working
	P A System	01	ICAR	2011	14625.00	Working
	Xerox machine	01	ICAR	2006	72800.00	Not Working
	Fan	04	ICAR	2007	4700.00	Working
	Table (Mushroom Lab)	01	ICAR	2016	35000.00	Working
	Rack (Angel) Mushroom Lab	08	ICAR	2016	48000.00	Not Working
	Iron Rack Mushroom Lab	05	ICAR	2016	50000.00	Working
	Biometric	01	ICAR	2016	30100.00	Working
		01	ICAR	2006	3609.00	Working
	Sewing machine	01		2008		Not Working
	Projector		ICAR		55000.00	_
	Projector stand	01	ICAR	2008	6000.00	Not Working
	Laptop	01	ICAR	2008	40040.00	Not Working
	Mini Laptop	01	ICAR	2013	19000.00	Not Working
	Inverter	01	ICAR	2009	4299.99	Working
	Okaya Digi Turbo 6030 Battery)	01	ICAR	2009	9500.00	Working
	Colour photo copier	01	ICAR	2011	75000.00	Not Working
	Fax, Scanner combined	01	ICAR	2011	16200.00	Working
	Podium	01	ICAR	2013	44460.00	Working
	Genset 62.5 KV	01	ICAR	2016	500000.00	Working
	Rice mill unit	01	ICAR	2016	86725.00	Working
	Flour mill unit	01	ICAR	2016	85790.00	Working
	Candel unit	01	ICAR	2016	11655.00	Working
	BOD incubator	02	ICAR	2016	264600.00	Working
	Autoclaves	02	ICAR	2016	264600.00	Working
	Digital Balance	04	ICAR	2016	13818.00	Working
	Laminar flow	02	ICAR	2016	382200.00	Working
	Glass ware	01	ICAR	2016	30870.00	Working
	AC 1.5 TR	04	ICAR	2016	199160.00	Working
	AC 1.5 TR	03	ICAR	2020	125400.00	Working
	Refrigerator 258 liter	01	ICAR	2016	26970.00	Working
	Computer set	01	ICAR	2017	47450.00	Working
	CCTV set	01	ICAR	2017	40193.00	Working
	Camera	01	ICAR	2017	21700.00	Working
	Xerox machine	01	ICAR	2019	107598.00	Working
	LCD 32"	01	ICAR	2019-20	19500.00	Working
	Sound system	01	ICAR	2021	16500.00	Working
	LED 40"	01	ICAR	2016-17	69000.00	Working
	Kiosk machine	01		2016-17		
			ICAR	_	113650.00	Working
	Projector (K-Yan)	01	ICAR	2017	124750.00	Working
	Showcase	01	ICAR	2018-19	13580.00	Working
	Showcase with side table	01	ICAR	2018-19	13000.00	Working
	Projector	01	ICAR	2021	299975.00	Working
	Laptop	01	DBT	2021	60000.00	Working

N:	ame of the equipment	Qty	Head	Year of purchase	Cost (Rs.)	Present status
	Portable Projector & Screen	01	ICAR	2023	24100.00	Working
	Printer (HP 1005)	01	ICAR	2023	23500.00	Working
	Solar Panel (Office) 5 KVA	01	ICAR	2023	328475.00	Working
	Drone	01	ICAR	2023	996000.00	Working
	Gyser	03	ICAR	2023	29400.00	Working
	Moniter	01	ICAR	2011	6600.00	Not Working
	Printer	01	ICAR	2014	13200.00	Not Working
	Scanner	01	ICAR	2007	3350	Not Working
	Projector (Small)	01	ICAR	2024	19500.00	Working
	Projecter Stand	01	ICAR	2024	4600.00	Working
	TV and accessories	01	ICAR	2011	9333.00	Not
						Working
	Fire extinguisher	02	ICAR	2013	6498.00	Working
	Water cooler	01	ICAR	2016	18500.00	Working
	Desktop computer (All in one)	01	ICAR	2024	70000.00	Working
d. Farmers	Trunk	02	ICAR	2009	2050.00	Working
Hostel	Steel sofa	02	ICAR	2013	13680.00	Working
	Utensils (Kitchen set for 50 farmers)	01	ICAR	2009	19990.00	Working
	LPG Connection (Single cylinder)	01	ICAR	2009	4700.00	Working
	Refrigerator (190 lit)	01	ICAR	2009	9800.00	Working
	Dining Table Set (8 chairs)	02	ICAR	2009	59625.00	Working
	Folding Bed	40	ICAR	2008	50000.00	Discarded
	Bed	02	ICAR	2013	18810.00	Working
	Mattress	40	ICAR	2008	54800.00	Discarded
	Mattress	02	ICAR	2013	11742.00	Working
	Kurlon Pillow	40	ICAR	2008	4600.00	Discarded
	Centre Table	01	ICAR	2013	4275.00	Working
	Wooden bed	20	ICAR	2019	153400.00	Working
	Mattress	20	ICAR	2021	69800.00	Working

[•] With administrative building

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment	<u> </u>			
Soil & water testing lab	2017	1700063.00	Working	ICAR
Mini Lab	2017	86000.00	Working	ICAR
b. Farm machinery				
Tractor	2005	349454.00	Condemned	ICAR
Trialer	2005	55555.55	Working	ICAR
Belt pulley	2005	2770.78	Working	ICAR
Submersible pump	2007	18500.00	Working	ICAR
Generator 7.5kva, 3 Alternator	2007	557763.00	Working	ICAR
Kirloskar pump set 10Hp with HWED pump	2007	35000.00	Working	ICAR
Fertigation tank 30lit.	2007	15641.00	Not working	ICAR
Kirloskar pump set 8Hp	2008		Not working	JHALCO, Gumla
Electric pump 10Hp	2008		Working	JHALCO, Gumla
Sprayer	2009	5800.00	Working	ICAR
Weight machine	2009	8528.00	Working	ICAR
Wheat Thresher	2011	75015.00	Working	ICAR
Power chain saw	2011	36500.00	Working	ICAR
Paddy Thresher	2012	105000.00	Working	ICAR
Rotary Power Tiller	2013		Not working	Soil Conservation, Gumla
Self propelled reaper (regal 4 HP) 06 no	2014		Working	District soil conservation dept.
Eicher 241 tractor (without cultivator) - 01	2014		Working	-do-
Multicrop thresher	2015		Working	Dist.
2 nd Tractor	2017	697199.00	Working	ICAR
Lac processing machine	2018		Working	ICAR-ARYA
Drip irrigation system				
a. PVC water tank (500 lit)- 01	2014		Working	Vikas Bharti Bishunpur
b. PC dripline 200 m -01	2014		Working	District soil conservation dept.
c. Screen filler (1")-01	2014		Working	-do-

2. Priority thrust areas of KVKs

S.	Thrust area
No	
1.	Promotion of chilli
2.	Strengthening of FPO
3.	Promotion of Natural farming
4.	Promotion of Pulses and Oilseed
5.	Women empowerment
6.	Secondary Agriculture
7.	Integrated Farming System approach through
8.	Promotion of Lac cultivation
9.	Promotion of Agri Drone Technology
10.	Micro-Irrigation and Soil health card

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

1. Major farming systems/enterprises – RAINFED (based on the analysis made by the KVK)

S. No	Farming system/enterprise				
Integrated cro	Integrated crop – livestock – fish farming system				
1.	Watershed based farming system				
2.	Crop based farming system				
3.	Agro forestry based farming system				
4.	Live stock based farming system				

2. One District one product (NITI Ayog)

Sl. No.	Items	Information
2	One district one product (NITI Ayog)	Chilli

3. Agro-climatic Zone

Agro-climatic Zone	Characteristics
Zone V	The soil of plateau is nutritionally poor & organic matter rapidly declining due to deforestation, leaching & soil erosion. Hence high degree of soil management and soil husbandry have become imperative for intensive cultivation in the existing soil of the plateau the soil of the district is Red laterite to Sandy Clay & Clay loam. The farming situation of the district is rainfed the cropping pattern is mainly monocropping & kharif based

4. Agro ecological situation

Agro ecological situation	Characteristics
South Western plateau	South Western plateau is characterized by hot sub humid eco-region with red loamy soil.
	Summer season is generally hot and winter is cold. The soil type varied from red laterite to sandy clay and clay loam with an undulating topography and least irrigation facilities.

5. Soil type/s

Soil type	Characteristics	Area i	n ha		
Red laterite to sandy clay & clay loam	The soil is universally poor in N & K due to high excessive leaching. They have high P fixation capacity due to the presence of Kaolinitic along with sesquioxides. Hence high degree of soil management and soil husbandry have become imperative for intensive cultivation in the existing soil of the plateau	80% geogra (53139		the	total area

6. Production and Productivity of major crops of district**

S. No	Crop	Area (ha)	Production (Qtl)	Productivity (Qtl/ha)
1.	Total Cereals	211879	5023791	20.33
2.	Total Pulses	36237	416579	10.08
3.	Total Oil seeds	27508	154424	5.036
4.	Total vegetables	16911	2504880	148.12
5.	Paddy	185239	4686546	25.3
6.	Maize	7474	210019	28.1
7.	Ragi	9373	111538	11.9
8.	Wheat	9793	15688	16.02
9.	Redgram	13878	190128	13.7
10.	Blackgram	7662	84665	11.05
11.	Greengram	472	3823	8.1
12.	Chickpea	11723	119574	10.2
13.	Lentil	2502	18389	7.35
14.	Pea	7872	52348	6.65
15.	Groundnut	4363	60864	13.95
16.	Sesame	41	84	2.05
17.	Niger	687	673	0.98
18.	Mustard	20192	83792	4.15
19.	Linseed	2225	9011	4.05
20.	Fresbeen	1850	386610	209
21.	Bottle gourd	75	9700	129
22.	Bitter gourd	100	10800	108
23.	Tomato	1100	114000	103.63
24.	Potato	2600	318490	122.5
25.	Pea (Green pea)	3040	461200	151.71
26.	Onion	531	133100	250.66
27.	Okra	580	53200	91.72
28.	Green Chilli	2450	323150	131.89
29.	Cauliflower	1290	242000	187.59
30.	Ginger	120	13420	111.83

** As per DAO and DHO Data 2024 7. Mean yearly temperature, rainfall, humidity of the district **

Month	Rainfall (mm)	No. of rainy days	Ten	perature ⁰ C	Relative Humidity (%)
			Maximum	Minimum	
January 24	4.30	03	3	16	
February 24	31.80	04	16.2	26	
March 24	49.00	03	18	30	
April 24	1.40	01	26.3	35.2	
May 24	30.20	04	28	37	
June 24	92.60	09	28.6	39.5	
July 24	272.80	21	24.1	32.6	
August 24	387.20	21	25.8	32.8	
September 24	284.40	21	22.5	30.5	
October 24	32.80	06	18.6	30	
November 24	0.00	0	14.2	22.6	
December 24	2.70	02	3.6	17.3	
Total	1189.2	95			

^{**} Source of data: - District Agriculture Department, Gumla & IMD

8. Production of major livestock products like milk, egg, meat etc

Category	Population (000) area	Production	Productivity
Cattle			
Cattle	559.717		1
Crossbred			1
Indigenous			1
Buffalo	90.996		1
Sheep	7.975		I
Crossbred		-	-
Indigenous		-	-
Goats	613.738	-	-
Pigs	109.066	-	
Crossbred		-	-
Indigenous		-	-
Rabbits		-	
Poultry	1330.117	-	
Hens			1
Desi			1
Improved			1
Ducks	34.819		1

Category	Area (in ha)	Production (in metric ton)	Productivity (ton/ha)
Fish	636	3100 MT	
Marine			
Inland	4000	1500	3
Prawn			ı
Scampi			ı
Shrimp			-

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

Sl. No.	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop- wise)	Identified Thrust Areas
1	Ghaghra	Halmati,Nawatoli, Nawadih, Shivrajpur, Nawatoli,Kubatoli, Chundari, Nawadih, Lalmati	njpur, Nawatoli,Kubatoli, Ragi monocropping due to poor	Promotion of double or multiple	
	Belagara, Shivrajpur, Nawatoli ,Sarnatoli Gunia, Jargatoli, Hapamuni, Kurag, Halmati	Mustard	2. Poor adoption of improved	cropping 2. Water Conservation.	
		Duko, sikwar	Sesame	technology due to scare resources. 3. Seed replacement ratio is poor. 4. Malnutrition. 5. Soil & Water	 Promotion of Seed Village. Create awareness about improved technology Area expansion under oilseed
		Mayel, Kugawn, Kurag, Icha, Sehal Bansitooli, Chapka, Totambi, Itkiri, Khatanga	Sunflower		
	Lahastand, Podi, Shivrajpur, Sehalbansitoli, Lawadag, Shivsereng Shivrajpur, Gunia Shivrajpur, Sarnatoli, Nawatoli		Niger		
		Linseed	green fodder for whole year. 7. Low miltching	and pulses especially in	
		Blackgram		rainfed upland.	
		Shivrajpur, Sarnatoli, Nawatoli	Redgram	rate due to indiscript breed. 8. Agri – based opportunity is very poor.	6. Employment generation through Agri based entrepreneur.

Sl. No.	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (cropwise)	Identified Thrust Areas
2	Bishunpur	Lbga, Longa, Karamtoli	Niger	9. Low yield	7. Capacity
		Amatipani, Helta, Serka, Arangloya, Samdari, Langratanr, Range, Majeera, Bahar Serka,	Linseed	potential 10. Low irrigation opportunity 11. Low productivity	building of Kisan Club/ Krishak Mitra. 8. Women
		Tumse, Serka, Chapatoli, Beti, Helta, Chipri, Langratanr, Bendi, Arangloya, Oreya	Sunflower	in Lac 12. Low body weight gain in Pig 13. Low productivity	empowerment through SHG. 9. Development of Pashu Mitra
3	Sisai	Semra,	Groundnut	in Ragi	(Para-Vet)
		Kudra, Shivnathpur, Gurgaon	Sesame		10. Awareness for stalk feeding of
		Jamgai, Bhutwitoli, Bishrampur, Chatakpur, Nagar	Linseed		animal. 11. Irrigation
		Kataidamar, Lalmati, Bhandartoli, Gokhulpur, Olmunda	Lac		sources development 12. Enhanced
		Nagar	Sunflower		cropping
4	Gumla	Kasira, Kulabira, Luto bertoli, Panso, Bhabhari	Groundnut		intensity 13. Improve breed
		Kulabira, Khora Jampani, konatoli, Bartoli, Lutobertoli	Sesame		
		Gumla, Dhangaon , Nawatoli, Kotam, Kasira, Paharpanari	Pig		
		Patia, Kasira, Sawariya, Kotam	Sunflower		
		Lutobertoli, Panso, Kulhi	Niger		
5	Raidih	Masgaon, Hargada	Linseed		
		Basdih,	Niger		
		Masgaon	Sunflower		
6	Jari	Tilhaitoli	Ragi		
7	Dumri	Ratantoli	Mustard		
		Ratantoli	Sunflower		
8	Palkot	Umda	Ragi		
		Umda,	Niger		
		Umda, Baghima, Tepsatoli, Ganjhotoli	Linseed		
9	Bharno	Turiamba, Kumbhro, Bharno, Amboa	Linseed	1	
		Samsera, Jamtoli	Sunflowr	1	
10	Chainpur	Duttra	Niger	1	
11	Basia	Kumhari	Sesame		
12	Kamdara	Turbul, Arhara, Gadha, Surhu	Lac		

2(c) Details of village adoption programme during 2024:

Name of the villages adopted by Senior Scientist & Head and SMS (in the year 2023) for its development and action plan $\frac{1}{2}$

Name of village	Block	Action taken for development
Maiyl	Ghaghra	Promotion of biofortified wheat for nutritional security
		and Promotion of oilseed crop Sunflower
Luto Bartoli	Gumla	Promotion of Oilseed crops
Shivrajpur	Ghaghra	Promotion of resilient agriculture & training
Borang	Bishunpur	Natural farming, CFLD, Natural farming & installation of
		irrigation lift device
Kubatoli	Bishunpur	Promotion of fruit & vegetable cultivation & Mushroom
		cultivation
Salam Nawatoli	Bishunpur	Promotion of sustainable agriculture
Chhota Ajiyatu	Ghaghra	Nursery management & goat rearing
Tapkara	Palkot	FLD & OFT conducted
Nagar	Sisai	Entrepreneur development under lac cultivation, CFLD &
		Goat farming
Langratanr	Bishunpur	Breed development
Duttra	Chainpur	Promotion of Resilient agriculture technology
Belagara	Ghaghra	Promotion of resilient agriculture & training
Majhgawn	Dumri	Promotion of resilient agriculture & training

3. TECHNICAL ACHIEVEMENTS

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

	OFT											
	No. of technologies tested:											
Nu	imber of OFTs				Nun	nber of	farmers					
							Achiever	nent				
Target	Achievement	Target	SC		SI	Γ	Oth	ners		To	tal	
			M	F	M	F	M	F	M	F	T	
14	13	160	-	-	72	77	7	16	79	93	172	

		FLD											
			T	No.	of techn		monstrat						
	Num	ber of FLDs		Number of farmers Achievement									
	Tanget	Achievement	mont Towart		SC ST			Others			Total		
	Target	Acmevement	Target	M	F	M	F	M	F	M	F	Т	
CFLD Kharif Oilseeds (2024-25)	500	413	500	-	-	233	89	38	42	271	131	402	
CFLD Rabi Oilseeds (2024-25)	650	650	650	03	01	320	206	42	23	365	230	595	
Model Village Oilseed Rabi (2024-25)	500	500	500	05	05	202	130	28	02	235	137	372	
DRMR Rabi (2024-25)	100	100	100	0	0	59	32	06	03	65	35	110	
AICRP Niger kharif (2024-25)	50	50	50	0	0	50	0	0	0	50	0	50	
ICAR-IIPR Pulses Kharif (2024-25)	25	25	25	0	0	19	03	02	0	21	03	24	
Cereals crop (2024-25)	84	84	84	0	2	86	64	03	0	89	66	155	
Vegetables (2024-25)	85	85	85	0	0	345	339	0	0	345	339	684	
Natural farming Rabi (2024-25)	12	12	12	0	0	11	0	01	0	12	0	12	
Natural farming Kharif (2024-25)	12	12	12	0	0	11	0	01	0	12	0	12	
Nutritional Garden (2024-25)	100	100	100	0	0	0	40	0	0	0	40	40	
Fodder crop (2024-25)	08	08	08	0	0	49	04	02	0	51	04	55	
Kisan Drone (Mustard)(2023-24)	81	81	81	01	0	60	14	12	0	73	14	87	

			FLD									
				No.	of techn	ologies de	emonstrat	ed:				
	Num	ber of FLDs		•		N	umber of					
		Achievement										
	Target	Achievement	Target	S	C	S	T	Ot	hers		Total	
				M	F	M	F	M	F	M	F	T
Kisan Drone (Mango) (2023-24)	03	03	03	0	0	0	0	01	0	01	0	01
Kisan Drone (Watermelon) (2023-24)	11	11	11	0	0	01	0	01	0	02	0	02
Kisan Drone Paddy (2024-25)	42	42	42	0	0	07	06	01	0	08	06	14
Goat (Black bengal)	04	04	04	0	0	01	03	0	0	01	03	04
Backyard Poultry	03	03	03	0	0	0	03	0	0	0	03	03
Composite fish	10	10	10	0	0	04	0	05	01	09	01	10
Mushroom (Oyster) 2024-25	30	30	30	0	01	0	26	0	03	0	30	30
Mushroom (Oyster) 2023-24	25	25	25	0	0	0	25	0	0	0	25	25
Total	2335	2248	2335	9	9	1458	984	143	74	1610	1067	2687

				Training						
	Target	Achievement	Target	SC	/ST	Otl	hers		Total	
				M	F	M	F	M	F	T
PF	89	47	2143	685	722	86	86	771	808	1579
SHC		12		362	117	50	13	412	130	542
CFLD/FLD		59		690	397	86	53	776	450	1226
Natural Farming	3	3	60	64	25	20	3	84	28	112
PMO	6	6	144	79	55	14		93	55	148
Total	98	127	2347	1880	1316	256	155	2136	1471	3607
								0	0	0
RY	31	18	642	158	183	35	21	193	204	397
Vocational	3	4	51	18	20	64	12	82	32	114
School Dropout	15	10	348	49	46	3	1	52	47	99
ASCI	1		25							
Total	50	32	1066	225	249	102	34	327	283	610
EF	19	4	570	36	54	16	2	52	56	108
Grand Total (PF/RY/EF)	167	163	3983	2141	1619	374	191	2515	1810	4325

		Exter	ısion acti	vities							
Numbe	er of activities	Number of participants									
							Achievem	ent			
Target	Achievement	Target	S	SC	ST		Others		Total		
_			M	F	M	F	M	F	M	F	T
1028	472	14669	194	168	8901	7838	2493	995	11588	9001	20589

	Impa	ct of	cap	acity	buil	ding	Impact of capacity building								Impact of Extension activities								
	mber of pants trained		umber of Trainees got employment self/ wage/ entrepreneur/ engaged as skilled manpower)						Number of Participants attended Number of participants got employme entrepreneur/ engaged as skilled n														
Toward	A ala:	S	С	S	T	Oth	iers		Tota	ıl	Towns Ashions and		SC		SC ST		Oth	ers		Total			
Target Achievement		M	F	M	F	M	F	M	F	T	Target	Achievement	M	F	M	F	M	F	M	F	T		
334	377	3	9	38	34	10	6	51	49	100	1028	742	194	168	8901	7838	2493	995	11588	9001	20589		

	Se	ed productio	on (q)			Planting material (i	n Lakh)		
Tai	rget (Crop and va	ariety)	Achieve-	Sold (q)	Targ	get (crop and variety)	,	Achievement	Sold (number)
Crop	Variety	Area (q)	ment (q)		Crop	Variety	no.		
Ragi	BM-3	5.0	8.60	Stock in hand	Tomato	Swarna Prakash, Super Sonia	8000	2350	
Rice	Swarna Shreya	6.0	6.30	Stock in hand	Brinjal	Swarna Shyamali, RCBR-22	8000	9650	45500.00 Farm use & Distribution
Rice	MTU-1010	60.0	92.00	Stock in hand	Chilli	Swarna Apurva	10500	4550	3250.00 Farm use
Rice	Black Rice	-	1.90	Stock in hand	Cauliflower	Hybrid Lucky	2500	525	Farm use
Sesame	RT-351	5.0	0.77	Stock in hand	Cabbage	Golden acre	0	450	Farm use
Niger	Birsa Niger-03	5.0	1.80	Stock in hand	Onion	Nasik Red	15000	4200	Farm use
Dhaincha	Dhaincha	-	0.71	Stock in hand	Bottle gourd	Anokhi	500	0	-
Redgram	Rajeev Lochan	4.0	Result awaited		Bittergourd	Long green	500	0	-
Mustard	PM-30, BBM-1	10.0	Result awaited		Mango	Amrapali, Langra	1000	1000	Stock in hand
Wheat	K-1006, DBW-187	10.0	Result awaited		Mango	Local	1000	0	-
Linseed	Priyam	3.0	0.00		Guava	L-49, Kg Guava	200	0	-
Total		108.09	112.08	0.00	Pomegranate	Ganesh	150	0	-
					Pear	Netarhat Selection	500	1500	300 no
					Papaya	Ranchi Papaya	4000	2500	630.00
					Jackfruit	Local	500	0	-
					Drumstick	Local	500	0	-
					Napier	Pusa Jaint	10000	0	-
					Arhul		250	0	-
					Bougainvillea		200	0	-
					Marigold	Pusa Narangi	0	450	Farm use
					Neem		500	0	
					Lemongrass	Krishna	0	5000	Stock in hand

Total

Livestock strai	ins (in no's) and fis	h fingerlings produced (in lakh)*	Soil, water, plant, manur	es samples tested (in lakh)
Tar	get	Achievement	Target	Achievement
Piglet	30 no	36 no	600	1943
Goat	10 no	07 no		
Duck egg	300 no	35 no		
Poultry Chicks	600 no	612 no		
Duck Chicks	200 no	0		
* Give no. o	nly in case of fish fi	ngerlings		

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

	Technologies assessed under various crops			
A	(Cereal Crop Production)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management	02	01	01
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management	02	01	02
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			
	Technologies assessed under various crops			
В	(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	02	01	03
4	Integrated Crop Management	04	02	06
5	Integrated Disease Management	02	01	02
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
	Mulching	02	01	01
	Organic cultivation	02	01	02
	Water management	02	01	03
С	Technologies assessed under livestock & Fisheries by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease & Health Management	(100mology 1mor (ontoins)	1 (0) 01 01 01	1100 01 1000110110
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)			
	Livestock production and management	02	03	04
	Animal Disease management	02	02	04

	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			
3	Health and nutrition			
4	Processing and value addition			
5	Energy conservation			
6	Small-scale income generation			
7	Storage techniques			
8	Household food security			
9	Organic farming			
10	Agroforestry management			
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	0	0	0
E	Technologies assessed under various enterprises for women empowerment			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition	02	01	03
5	Others			
	Total	0	0	0

3.2.2 OFT (All discipline)

OFT – 01 (Horticulture) (Kharif/ Perennial crop 2023-24)

• Thematic area: Mulching

• Problem definition/Name of OFT: Moisture stress leads yield losses in Mango

1.	Title of On farm Trial (OFT)	Assessment of Biom	ass Mul	ching in M	Iango							
2.	Problem diagnosed	More no. fruit dropping	<u> </u>									
3.	Details of technologies selected for assessment/refinement	FP - No Mulching/ 1 TO ₁ - Taphrosia 1 kg TO ₂ - Grass/ Paddy s	dry bio	mass/ m ² (1 0		. /	n thick	(Plant sp	read) + C	Greece ba	and 30
		cm from GL.		•			C		` 1	,		
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-FSRCHPR, Pa	lndu, Ra	nchi								
5.	Production system and thematic area	Mango Production Sy	ngo Production System and Mulching									
6.	Performance of the Technology	Table- Assessment of	f biomas	ss mulchin	g in M	ango						
	with performance indicators	Technology Option	Of ation	Data rela Soil	Data related problem addressed						Net	
			No. Of replication	Moisture (%)	1st month Nov 23	2 nd Month Dec 23	3 rd month Jan 24		C.C. (Rs.ha)	Gross income	Return (Rs/ha)	В:С
		FP - No Mulching/ Liter fall of trees.		9.95	27.30	32.10	40.30	82.0	60500	205000	144500	3.38
		TO ₁ – Taphrosia 1 kg dry biomass/ m ² Canopy (Plant spread)		11.44	6.50	8.40	11.20	120.0	65500	300000	234500	4.58
		TO ₂ – Grass/ Paddy straw/ Any local available mulching 15 cm thick (Plant spread) + Greece band 30 cm from GL	10	10.94	8.10	10.90	15.40	102.0	62500	255000	192500	4.08
		SEM <u>+</u>			0.66	0.77	1.15	1.34				
		CDCP=0.05			1.97	2.31	3.47	4.02				

7.	Final recommendation for micro	The on Farm Trail was conducted on 10 Farmers Field of Village Shivrajpur of Ghaghra Block
	level situation	During Kharif/ Perennial Crop (2023-24) to find Out mulching Maximizing The Fruit Yield and
		income. The data Collected during the trail Clearly indicated that minimum weed number (11.20) at 3 rd
		month January 2024. Maximum Soil Moisture (11.44%), Maximum Fruit Yield (120 q / hac), net
		income (Rs. 234500) and B:C ratio (4.58) was found under Technology option 1 (Taphrosia 1kg dry
		biomass/Square meter canopy (Plant spread). The Present yield enhancement of 46.34 and 17.64 was
		found over FP and Technology option 2. Hence T01 (Taphrosia 1kg dry biomass/Square meter canopy
		(Plant spread) is being recommended.
8.	Constraints identified and	Lack of knowledge about Taphrosia mulching .
	feedback for research	More number of awareness is required about Taphrosia mulching
9.	Process of farmers participation	Participatory and interactive.
	and their reaction	Awareness about Taphrosia through field training
		By Seeing the result of Taphrosia farmer of adjoining village was highly impressive

Thematic area	Technology options with detailed treatments		n crop & Nos (in ock)	Yield (q/ha	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual	` -				
Mulching	FP - No Mulching/ Liter fall of trees.	0.025	0.025	82.0	60500	205000	144500	3.38
	TO ₁ – Taphrosia 1 kg dry biomass/ m ² Canopy (Plant spread)	0.025	0.025	120.0	65500	300000	234500	4.58
	TO ₂ – Grass/ Paddy straw/ Any local available mulching 15 cm thick (Plant spread) + Greece band 30 cm from GL	0.025	0.025	102.0	62500	255000	192500	4.08

NPK Status

Sampling Time	Avg N (kg/ha)	Avg P ₂ O ₅ (kg/ha)	Avg K ₂ O (Kg/ha)
NPK status (Pre)	201.25	10.32	210.19
NPK status (Post)			
FP	205.34	16.46	215.65
TO_1	225.42	21.35	252.44
TO_2	220.29	19.24	247.35





OFT -02 (Horticulture) (Kharif 2024-25)

Thematic area: Integrated Crop Management
 Problem definition/Name of OFT: Inter cropping in mango orchard

1.	Title of On farm Trial (OFT)	Inter cropping in m	ango	orchard							
2.	Problem diagnosed	Low per capita incon income)	ne du	e to sole cr	opping and	poor fertility	in uplar	nd (Low 1	productiv	rity and le	ess
3.	Details of technologies selected for assessment/refinement	FP - Mango orchard TO ₁ - Mango + turm TO ₂ - Mango + Elep TO ₃ - Mango + Ging	eric hant		ropping.						
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-FSRCHPR, Pa	alndu	, Ranchi							
5.	Production system and thematic area	Horticulture based Pr	ticulture based Production System and Integrated crop management								
6.	Performance of the Technology with performance indicators	Table- Intercropping Technology Option	No. Of replication u.	Mango orc Yield of Intercrop (q/ha)	Date related problem addressed Mango equivalent yield	Yield component Weed population (cm²)	Yield of main crop mango (q/ha)	C.C. (Rs.ha)	Gross income	Net Return (Rs/ha)	В:С
		FP - Mango orchard without intercropping.		-	(q/ha) -	30.50	80.15	62500	160300	97800	2.56
		TO ₁ – Mango + Turmeric	10	145.50	145.0	12.80	-	105000	291000	186000	2.77
		TO ₂ – Mango + Elephant foot yam		211.47	317.20	23.10	-	165000	634400	469400	3.84
		TO ₃ – Mango + Ginger.		170.35	340.69	18.30	-	172000	681380	509380	3.96
		SEM <u>+</u> CDCP=0.05			1.85 5.41	0.825 2.40					

7.	Final recommendation for micro	The on Farm Trail Was Conducted on 10 Farmers Field in Village Teliya of Raidih Block,
	level situation	Shivrajpur of ghaghra block During Kharif (2024-25) to find out profitable inter cropping system and
		maximizing the yield and income. The data collected during the trail Clearly indicated that minimum
		weed population (18.30) and mango equivalent yield of 340.69 q / hac maximum in technology option
		3 that is mango + ginger which is significantly superior to technology option 1 (mango + turmeric)
		and technology option 2 (mango + elephant foot yam) technology option- 3 (mango+ ginger) also
		achieving the maximum net return of rs. 509380/hac with B:C ratio of 3.96. whereas 80.15 q/hac yield
		with net income of rs. 97800/hac was recorded under farmer practice that is mango orchard without
		intercropping.
		Hence with this finding Technology option T03 (Mango+ ginger) is being
		recommended for better yield and income.
8.	Constraints identified and	Lack of knowledge about suitable intercropping in mango orchard
	feedback for research	More number of awareness is required about intercropping with mango orchard
9.	Process of farmers participation	Participatory and interactive.
	and their reaction	Best option for risk management

Thematic area	Sv I		Nos (in		Fodder)/ Nos (in		Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual	(1)						
Integrated	FP - Mango orchard without intercropping.	0.375	0.375	80.15	62500	160300	97800	2.56		
Crop	TO ₁ – Mango + Turmeric	0.375	0.375	145.0	105000	291000	186000	2.77		
Management	TO ₂ – Mango + Elephant foot yam	0.375	0.375	317.20	165000	634400	469400	3.84		
	TO ₃ – Mango + Ginger.	0.375	0.375	340.69	172000	681380	509380	3.96		









OFT – 03 (Horticulture) (Kharif 2024-25)

- Thematic area: Varietal Trial
- **Problem definition/Name of OFT:** Evaluation of onion variety for kharif session

1.	Title of On farm Trial (OFT)	Evaluation of	Onio	n variety	for K	harif se	eason							
2.	Problem diagnosed	No Cultivation	of K	harif oni	on									
3.	Details of technologies	FP - Nasik-5												
	selected for	TO ₁ – Agrifou	ınd Da	rk Red										
	assessment/refinement	_	TO2 – Arka Kalyan.											
4.	Source of Technology	IIHR- Banglor	e											
	(ICAR/ AICRP/SAU/other,													
	please specify)													
5.	Production system and thematic area	Vegetable base	table based Production System and Varietal trial											
6.	Performance of the	Table- Evalua	able- Evaluation of Onion variety for Kharif season											
	Technology with													
	performance indicators	Technology Option	on .	<u>-</u>					nponent	Yield (q/ha)		Rottii	ng (%)	
			No. Of replication	15 days	45 days	60 days	at harvesting stage	Bulb diameter (cm)	10 bulb weight		15 days	30 days	45 days	60 days
									(gm)					_
		FP - Nasik- 53 (N-53).		52.8	51.21	50.19	49.99	4.26	650	205.32	7.17	8.24	9.32	11.75
		TO ₁ – Agrifound Darl Red	10	58.08	56.33	55.21	54.93	5.15	825	285.16	5.10	5.19	5.75	7.66
		TO ₂ – Arka Kalyan.		59.4	57.61	54.46	56.18	6.24	950	305.24	3.14	3.26	3.88	5.60
		SEM <u>+</u>							16.27	1.34				
		CDCP=0.05							48.74	4.02				

			P	hysiological We	ight loss (%)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio		
			15	30 days	45	60						
		ED 31 1 52	days		days	days						
		FP - Nasik-53 (N-53).	12.14	15.37	19.24	23.15	105000	410640	305640	3.91		
		TO ₁ – Agrifound Dark Red	8.53	11.70	16.39	20.17	122500	570320	447820	4.65		
		TO ₂ – Arka Kalyan.	5.16	9.17	12.39	14.85	12550	610480	484980	4.86		
7.	Final recommendation	The Trail Was Conducted during kharif season (2024-25) among 10 farmers field in village										
	for micro level situation nawatoli, Porha of Ghaghra block, Chatam of Bishunpur block to find out the suitable technology i'e variety for											
		getting out maximur	n yield	and income.	The data	collecte	d during the trail	Clearly indic	ated that the t	echnology		
		option 2 i'e variety	•				_	•				
		(4.86) . The present				-	- · · · · · · · · · · · · · · · · · · ·					
		technology option	•					`	,			
		0, 1					.		,	•		
		harvesting and mini	•	nysiological L	oss weig	gnt perc	entage (14.85%)	was found in	technology o	ption 2 i e		
		variety Arka Kalyan										
		Heno	e Tech	mology option	1 2 i'e v	ariety A	Arka Kalyan bein	g recommend	ded for better	yield and		
		income gain during	kharif.									
8.	Constraints identified	Difficulties is	n prom	oting the Culti	vation o	f Kharif	onion.					
	and feedback for research		-	_			equired about new	varieties				
9.	Process of farmers	 Participatory 	and int	teractive.								
	participation and their reaction	Showing hap	piness	and willingnes	ss for Cu	ltivation	of onion in khari	f season.				

Thematic	Technology options with detailed treatments	Area (in ha)		Yield	Cost of	Gross	Net	BC
area		Proposed	Actual	(q/ha)	cultivation (Rs./ha)	return (Rs/ha)	return (Rs./ha)	ratio
Varietal Trial	FP - Nasik-53 (N-53).	0.30	0.30	205.32	105000	410640	305640	3.91
	TO ₁ – Agrifound Dark Red	0.30	0.30	285.16	122500	570320	447820	4.65
	TO ₂ – Arka Kalyan.	0.30	0.30	305.24	12550	610480	484980	4.86

















OFT - 04 (Soil Science) (Rabi 2023-24)

- Thematic area: Organic Cultivation
 Problem definition/Name of OFT: Excessive use of fertilizers in cauliflower

1.	Title of On farm Trial (OFT)	Evaluation of orga	nic cultiva	tion packa	age in cauliflow	ver							
2.	Problem diagnosed	Excessive use of ferti	lizer in caul	iflower									
3.	Details of technologies selected for assessment/refinement	FP - Application of TO ₁ - Application of N supply through of TO ₂ - Seed and seed Ghanjeevamrit @ 1 Calculation 25% RDF w (N in Karanj cake 4	of 5 MT FY rganic sour dling treatr q./ha as ba of RDF on rith be appl	M/ha. + 25 ces 625 kg ment with E sal applicat the basis o ied through	5% of RDF (NP) Karanj cake and Beejamrit + 3 Sp tion and 30DAS of N only. In karanj cake an	K) through of 2500 kg V oray of Jeeva	organic source ermicompost mrit at 21 da	e. (RDF	F 200:15	0:100), 1	for 50ks		
4.	Source of Technology	RKM KVK Ranchi	KM KVK Ranchi & National centre on organic farming, Gaziabad.										
5.	Production system and thematic area	Maize/Black gram b	pased produ	uction syste	em and organic	cultivation							
6.	Performance of the Technology with	Table- Evaluation	of organic	cultivation	n package in ca	uliflower							
	performance indicators	Tashmalagy antion	No of	Data related	Yield com	ponent	Curd yield	C.C.	Gross	Net	В:С		
		Technology option	replication	problem addressed	Curd diameter (cm)	Curd weight (g)	(q/ha.)	(Rs.ha)	income	Return (Rs/ha)	Б:С		
		FP - Application of 5 MT FYM/ha. + 32 kg N +23 kg P ₂ O ₅ +15 kg K ₂ O/ha through inorganic source	10		12.46	0.625	156.47	82946	312940	229994	3.77		

		TO ₁ - Application of 5 MT FYM/ha.+25% of RDF (NPK) through organic source			13.27	0.732	181.36	90500	362720	272220	4.01
		TO ₂ - Seed and seedling treatment with Beejamrit + 3 Spray of Jeevamrit at 21 days interval + application Ghanjeevamrit @ 1q./ha as basal application and 30DAS			11.38	0.605	133.16	75350	266320	190970	3.53
		SE(m)			0.327	0.029	5.209				
	T: 1	C.D.	1 .	1 1 1	0.971	0.076	14.346			111 1	G 1 1
7.	Final recommendation for micro level situation	The trial was conducted during rabi season 2023 on 10 farmers field in village Nawadih and Sehal Banshitoli of Ghaghra Block to find out the suitable technological option for enhancing crop yield and income. Data collected during the trial clearly indicated that the maximum yield (181.36q/ha), net income (Rs 272220/ha) and B:C ratio (4.01) was found under technology option 1 i.e. TO ₁ - Application of 5 MT FYM/ha. + 25% of RDF (NPK) through organic source. The percentage yield increase observed in TO1 was 15.91 higher than that of FP and (-) 14.90% low yield was observed in TO2 than that of FP. Therefore technology option TO1 is being recommended for maximum yield income and better soil fertility.									
8.	Constraints identified and feedback for research	Organic sources like vermicompost and karanj cake is not easily available at all places and cost effective.									
9.	Process of farmers participation and their reaction	2. Field	2. Field day								

Thematic area	Technology options with detailed treatments	Area (ha ir Fodder)/ livesto	Nos (in	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual	(1)				
Organic Cultivation	FP - Application of 5 MT FYM/ha. + 32 kg N +23 kg P ₂ O ₅ +15 kg K ₂ O/ha through inorganic source	0.2	0.2	156.47	82946	312940	229994	3.77
	TO ₁ - Application of 5 MT FYM/ha.+25% of RDF (NPK) through organic source	0.2	0.2	181.36	90500	362720	272220	4.01
	TO ₂ - Seed and seedling treatment with Beejamrit + 3 Spray of Jeevamrit at 21 days interval + application Ghanjeevamrit @ 1q./ha as basal application and 30DAS	0.2	0.2	133.16	75350	266320	190970	3.53

Balance Sheet

Sampling Time	OC%	pН	Av. N kg/ha	Av. P ₂ O ₅ kg/ha	Av. K ₂ O kg/ha
Before Transplanting	0.59	5.87	295.76	10.05	244.13
After harvesting					
FP	0.58	5.85	307.57	11.56	245.18
T_1	0.62	5.90	312.58	13.29	250.15
T_2	0.60	5.88	30336	12.05	247.53







Activities Photos











<u>OFT – 05 (Soil Science)</u> (Kharif 2024-25)

- Thematic area: Integrated Nutrient Management
 Problem definition/Name of OFT: Excessive use of chemical fertilizers and spiraling price of urea leads to increase in cost of cultivation

•													
1.	Title of On farm Trial (OFT)	Improvement of	Improvement of Nitrogen use efficiency in rice										
2.	Problem diagnosed	Excessive use of	chen	nical ferti	lizers a	nd spira	ling price o	f urea l	leads to	o increase	in cost	of cultiv	ation
3.	Details of technologies selected for assessment/refinement	FP: NPK :: 64:46:15kg/ha. (Urea 100kg, DAP 100kg and MOP)											
	for assessment/refinement	TO ₁ : 50% of RD	O ₁ : 50% of RDN & 100% PK + Nano urea @ 4 ml/Lt. water (Single spray of pre flowering stage)										
		TO₂: 50% of RDN & 100% PK + 2 sprays of Nano urea at (25 to 30 days) and (60-65 days) 4 ml/Lt.											
		water											
4.	Source of Technology (ICAR/	BAU Sabour / BA	IID) on ohi									
4.	AICRP/SAU/other, please specify)	BAU Sabour / BA	AU K	Cancin.									
5.	Production system and thematic area	Rice based produc	ction	system &	& INM								
6.	Performance of the Technology	Table- Improvement of Nitrogen use efficiency in rice											
0.	with performance indicators	Table- Improven		UI INILI UE	zen use	CHICICI	icy in ricc						
	with performance materials		of replication		Yield component			Grain	G.	G		Net	
		Technology option		NI C	Test	Panicle		Yield		Cost of cultivation	Gross	Return	B:C
		l roomeregy epiten	of re	No of effective	weight	length	No. of	(q/ha)	(q/ha)	(Rs.ha)		(Rs/ha)	3.0
			No 6	tillers/m ²	(in gram)	(in cm).	Grain/panicle						
		FP : RDF (100:40:20)kg/ha.		315.47	21.09	16.62	163.03	31.94	46.73	34500	70356.48	35856.48	2.04
		TO₁: 50% of RDN											
		& 100% PK + Nano											
		urea @ 4 ml/Lt.		321.83	22.44	18.06	174.13	34.31	50.42	35500	75573.92	40073.92	2.13
		water (Single spray of pre flowering 321.83 22.44 18.00 174.13 34.31 30.42 33300 73373.92											
		stage)	10										
		TO₂: 50% of RDN											
		& 100% PK + 2 sprays of Nano urea											
		at (25 to 30 days)		332.07	23.60	18.86	181.57	37.10	55.23	36500	81734.97	45234.97	2.24
		and (60-65 days) 4											
		ml/Lt. water.		1.24	0.12	0.16	1 22	0.25	0.53				
		SE(m) C.D.		1.24 3.71	0.13 0.40	0.16 0.48	1.33 3.99	0.35 1.06	0.53 1.57	1		1	-
		L.D.		3./1	0.40	U.48	3.99	1.00	1.5/				

7.	Final recommendation for micro	The experiment was conducted on 10 farmers field in village Luto Bartoli of Gumla block during
	level situation	kharif season 2024-25. The variety used was Sahbhagi. The data collected during the trial clearly
		indicated that the maximum grain yield (36.28 q/ha), net return (Rs. 34978/ha) and B:C ratio (2.24) was
		found under Technology option 2 i'e 50% of RDN & 100% PK + 2 sprays of Nano urea at (25 to 30
		days) and (60-65 days) 4 ml/Lt. water. The percent yield enhancement was 13.87 and 5.96 over FP and
		TO ₁ . The variety used was Sahbhagi dhan.
8.	Constraints identified and	Nano urea is not available everywhere in Gumla district. Problems were faced in motivating people to
	feedback for research	use it. And farmers are not trusting nano urea as much as they trust granular urea.
9.	Process of farmers participation	1.Participatory and interactive
	and their reaction	2.On field training
		3.Regular field visit and feedback
		4.By seeing the result in term of plant establishment minimum weed infestation and yield farmers'
		showed happiness and encouragement

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual	(q/ha)	(KS./IIa)	(KS/IIa)	(KS./IIa)	
	FP: RDF (100:40:20)kg/ha.	0.4	0.4	31.94	34500	70356.48	35856.48	2.04
Integrated Nutrient	TO1: 50% of RDN & 100% PK + Nano urea @ 4 ml/Lt. water (Single spray of pre flowering stage)	0.4	0.4	34.31	35500	75573.92	40073.92	2.13
Management	TO2 : 50% of RDN & 100% PK + 2 sprays of Nano urea at (25 to 30 days) and (60-65 days) 4 ml/Lt. water.	0.4	0.4	37.10	36500	81734.97	45234.97	2.24

Balance Sheet

Soil Sampling time		nШ	OC%	A	Available in kg/ha N P2O5 K2O 284.45 16.35 237.85				
Soil Sampling time	pН	UC 76	N	P ₂ O ₅	K ₂ O				
Before transplanting		6.05	0.56	284.45	16.35	237.85			
After transplanting	FP	5.99	0.58	294.62	17.05	235.54			
	TO ₁	6.13	0. 60	309.83	19.65	241.75			
	TO ₂	6.15	0.61	314.57	2005	243.64			







Activities Photos













OFT – 06 (Plant Protection) (Rabi 2023-24)

- Thematic area: IPM
- **Problem definition/Name of OFT:** Assessment of bio-intensive management practices for major pests in Tomato.

1.	Title of On farm Trial (OFT)	Assessment	of bio-i	intensive	e manag	gement	practi	ces fo	r major	pests i	n Tomato					
2.	Problem diagnosed	Wilt disease	isease and fruit borer													
3.	Details of technologies selected for assessment/refinement	TO1														
	(Mention either Assessed or Refined)	 Seed treatn Nursery be Soil applica Spray of H TO2 Soil applica Seed treatn Nursery be Soil applica 	Application of Bio consortia (Soil application) Seed treatment by P. fluorescens@10 g/kg Nursery bed treatment by P. fluorescens@20 g/ m2 Soil application P. fluorescens@5 kg/ha mixed with 500 kg vermi-compost/ha at 30 days after transplanting Spray of HaNPV @ 250 LE /ha O2 Soil application of Bio consortia (Soil application) Seed treatment by Trichoderma viride @10 g/kg Nursery bed treatment by Trichoderma viride @50 g/ m2 Soil application Trichoderma viride @5 kg/ha mixed with 500 kg vermi-compost/ha at 30 days after transplanting Spray of HaNPV@ 250 LE /ha													
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour			L / na											
5.	Production system and thematic area	Integrated Po	est Mar	nagemen	ıt											
6.	Performance of the Technology with performance indicators	Technology	No of	% wilted	% wilte	ed plants	dan thro	fruit nage ough rer	No of la pla	rvae /10 ints	% larvae population reduction	Yield	Gross cost	Gross Return	Net Return	B:C
		option	trials	plant in nursery	30 D A T	90 D A T	60 D A T	90 D A T	Before spray	10 day after II end spray	after 2 end spray	(q/ha)	(Rs/ha)	(Rs/ha)	(Rs/ha)	B.C
		FP														
		TO1	10	4.57	4.07	5.13	8.4	8.7	6.0	2.8	67.44	285.80	45800	200060	154260	4.37
		TO2		3.37	6.47	8.46	8.2	11.4	5.9	4.9	44.07	246.6	46500	172620	126120	3.71

7.	Final recommendation for micro	On farm trial was conducted on 10 farmers' field of village Shivrajpur, Totambi, Jargatoli and Gunia during								
	level situation	Rabi 2024 to find out suitable package of bio-intensive management practices against wilt disease and fruit								
		borer. The data collected during the trial clearly indicated that the minimum wilted plants in 30 DAT								
		(4.07%) and minimum fruit damage through borer 90 DAT (5.13%) was found under Technology option								
		but wilted plant in nursery was found minimum (3.37%) in Technology option TO ₂ . In same								
		Technology option (TO ₁) maximum yield (285.80 q/ha), net income (Rs. 200060) and B:C ratio (4.37) was								
		found. Which is significantly superior over FP and TO ₂ . The percent yield enhancement 74.44 and 15.89								
		over FP and TO ₂ .								
		Hence TO ₁ i.e Application of Bio consortia (Soil application), Seed treatment by P. fluorescens@10								
		g/kg, Nursery bed treatment by P. fluorescens@20 g/ m2, Soil application P. fluorescens@5 kg/ha mixed								
		with 500 kg vermi-compost/ha at 30 days after transplanting, Spray of HaNPV @ 250 LE /ha is being								
		recommended for better management for major pests in Tomato.								
8.	Constraints identified and	a. Lack of awareness about commercial Tomato farming and their management practices.								
	feedback for research	b. More no. of awareness cum skill training is required for better fruit harvest.								
9.	Process of farmers participation	c. Farmers meeting, interaction & field day								
	and their reaction	d. Un-avaibility of bio inputs in local market								

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

Themati	Technology options with	Area (ha in crop)		Yield	Cost of	Gross return	Net	BC ratio
c area	detailed treatments	Proposed	Actual		cultivation	(Rs/ha)	return	
				(q/ha)	(Rs./ha)		(Rs./ha)	
IPM	Farmers Practices			163.83	40500	114681	74181	2.83
	TO1	1.0	1.0	285.80	45800	200060	154260	4.37
	TO2			246.60	46500	172620	126120	3.71







OFT – 07 (Plant Protection) (Rabi 2023-24)

• Thematic area: IPM

Problem definition/Name of OFT: Assessment of management practices for Red banded caterpillar in Mango.

1.	Title of On farm Trial (OFT)	Assessment of	9						0.				
2.	Problem diagnosed	Major yield los	or yield losess due to wilt disease and fruit borer										
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO1Collection anSpray Deltant	ner Practice: Spray of Chlorpyriphos 20 EC (2 ml/lit) as and when when symptoms appear election and destruction of all fallen fruits ay Deltamethrin 0.0028 % (Deltamethrin 2.8 EC@ 1ml/lit) at marble size and repeat after two weeks :• Two sprays of Thiacloprid 21.7 SC 0.04 % (@ 2ml/lit) at 25-30 days interval.										
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU Sabour						_					
5.	Production system and thematic area	Mango + Whea	at/ Musta	ard/ Lenti	l, Integrated	l Pest Mana	agement						
6.	Performance of the Technology with performance indicators	Technology option	No of trials	% yield Losses	% infected fruits before spray	% infected fruits 10 days after 1st spray	% infected fruits 10 days after 2nd spray	Yield (Kg/tree)	Yield (q/ha)	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	В:С
		FP		55.52	6.80	8.33	5.63	22.03	88.12	55500	176260	120760	3.17
		TO1	10	17.75	7.10	6.10	3.20	29.10	116.40	59300	232800	173500	3.92
		TO2		0.00	7.00	4.60	1.53	34.26	137.04	61500	274120	212620	4.45
		CD at 5%				1.086	0.533						
7.	Final recommendation for micro level situation	On farm trial of Amrapali) du collected durin infected fruit T0 ₂ , though in option (TO ₂) m superior over F	ring 202 g the tri s 10 da fected f aximum	23 to find all clearly ys after 2 ruits pero	out approprinting out approprint to the contage was 7.04 q/ha),	oriate mana nat the min (1.53%) an s maximum net income	agement pr imum infed d yield Los n (7.00%) c (Rs. 21262	actices again cted fruits sses percent before spray 20.00) and B	nst red ba 10 days a rage (00% y in Techr :C ratio (4	anded cate: after 1st sp b) was foun allogy opti 1.45) was f	rpillars in pray (4.60 nd under Ton TO ₂ . In	mango. The state of the state o	he data inimum option inology
8.	Constraints identified and feedback for research							their manag etter fruit ha		ctices.			

9.	Process of farmers participation	a. Farmers meeting, interaction & field day
	and their reaction	b. Un-avaibility of bio inputs in local market

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

Thematic	Technology options with	Area (ha in crop)		Yield	Cost of	Gross return	Net return	BC ratio
area	detailed treatments	Proposed	Actual	(q/ha)	cultivation (Rs./ha)	(Rs/ha)	(Rs./ha)	
IPM	Farmers Practices			88.12	55500	176260	120760	3.17
	TO1	1.5	1.5	116.40	59300	232800	173500	3.92
	TO2			137.04	61500	274120	212620	4.45



OFT – 08 (Agricultural Engineering) (Rabi 2023-24) 2nd Year

- Thematic area: Water Management
- **Problem definition/Name of OFT:** More no. of irrigation and bed making resulted cost of cultivation

1.	Title of On farm Trial (OFT)	Assessment of different methods irrigation				in medium la	ınd.			
2.	Problem diagnosed	More no. of irrigation and bed making resulted high cost of cultivation								
3.	Details of technologies selected for	Drip irrigation with crop residue mulch								
	assessment/refinement	Drip irrigation with plastic mulching								
	(Mention either Assessed or Refined)									
4.	Source of Technology (ICAR/ AICRP/SAU/other,	RPCAU, Pusa 2022								
	please specify)	T7								
5.	Production system and thematic area	Vegetable based production system and water	r mana	agement		Τ	1			
6.	Performance of the Technology with performance indicators	Technology option	No. of eplication		ted problem Iresses	Yield components				
				No of irrigation	Number of fruits per plant	Fruits weight per plant				
		FP : Furrow/bed irrigation 13.9 13.41 1391								
		TO ₁ : Drip irrigation with crop residue mulch 10 12.00 15.81								
		TO ₂ : Drip irrigation with plastic mulching		11.40	16.23	1729				
		SEm±								
		CD(P=0.05)								
7.	Final recommendation for micro level situation	On farm trial was conducted on 10	farme	ers' field o	of village Ch	noridhi, Hesi	rag &			
		Bishunpur during Rabi 2023-24 to find out to	he cos	t effective	weeding me	thod in tomat	o. The			
		data collected during the trial clearly indica	ted tha	t the mini	mum No of	irrigation (1	1.40),			
		maximum Number of fruits per plant (16.2								
		(1729 gms) was found under Technology option 2 i'e Use of Drip irrigation with plastic mulching. In same Technology option (TO ₂) maximum yield (275.64 q/ha), net income (Rs.								
		155212) and B:C ratio (3.38) was found. Which is significantly superior over FP and TO ₁ . The percent yield enhancement 38.83 and 4.27 over FP and TO ₁								
		percent yield elinancement 30.03 and 4.27 00		unu 10]						

	8.	Constraints identified and feedback for research	Unavailability of drip and plastic mulching sheet in locality.					
Ī	9.	Process of farmers participation and their reaction	Participatory and interactive, Regular field visit, Field day & Farmers' reaction was					
			satisfactory					

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

	Technology options	Area (ha in	crop)		Cost of	Cwass watuum	Net	
Thematic area	with detailed treatments	Proposed	Actual	Yield (q/ha)	cultivation (Rs./ha)	Gross return (Rs/ha)	return (Rs./ha)	BC ratio
Water Management	FP : Furrow/bed irrigation	0.133	0.133	198.54	72500	158832	86332	2.19
	TO ₁ : Drip irrigation with crop residue mulch	0.133	0.133	264.35	68600	211480	142880	3.08
	TO₂ : Drip irrigation with plastic mulching	0.133	0.133	275.64	65300	220512	155212	3.38
	SEm±							
	CD(P=0.05)							



FP: Furrow/bed irrigation



TO₁: Drip irrigation with crop residue mulch



TO₂: Drip irrigation with plastic mulching

OFT – 09 (Agricultural Engineering) (Kharif 2024) 1st Year

- Thematic area: Weed Management
- **Problem definition/Name of OFT:** Low yield due to high weed population.

1.	Title of On farm Trial (OFT)	Assessment of M	essment of Manual low cost weeding tools in Niger							
2.	Problem diagnosed	Low yield due to	high w	eed population.						
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T ₂ : Three Tyne h T ₃ : Rotary tiller								
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	CIAE, Bhopal	AE, Bhopal							
5.	Production system and thematic area	Rice based produc	ce based production system and Weed Management							
6.	Performance of the Technology with performance indicators	Technology option	Data related problem addresses Field Capacity Field officiency (%) Weeding							
		option	N repl	Field Capacity (ha/hr)	Field efficiency (%)	Weeding efficiency (%)				
		T ₁ : No weeding		0	0	0				
		T ₂ : Three Tyne hoe (Grubber)	10	0.021	45.03	73.52				
		T ₃ : Rotary tiller (Manual)		0.022	60.17	75.65				
		SEm+ CD(P=0.05)								
7.	Final recommendation for micro level situation	On farm t assessment of mathematic that the miximum	On farm trial was conducted on 10 farmers' field of village Tetra and Lasdar during kharif 2024 to sessment of manual low cost weeding tools in niger. The data collected during the trial clearly indicated to the miximum Field Capacity (0.022 ha/hr), maximum Field efficiency (60.17%) and maximum Weeding iciency (75.65%) was found under Technology option 3i'e Use of Rotary tiller (Manual). In same							

		Technology option (T3) maximum yield (4.71q/ha), net income (Rs.21470.16) and B:C ratio (2.10) was found. Which is significantly superior over T1 and T2. The percent yield enhancement 58.58 and 1.5 over T1 and T2.
8.	Constraints identified and feedback for research	Unavailability of Rotary tiller (Manual) and Three Tyne hoe (Grubber)in locality.
9.	Process of farmers participation and their reaction	Participatory and interactive, Regular field visit, Field day & Farmers' reaction was satisfactory

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

	Technology options	Area (ha in	crop)		Cost of	Cwoss wotuwn	Net	
Thematic area	with detailed treatments	Proposed	Actual	Yield (q/ha)	cultivation (Rs./ha)	Gross return (Rs/ha)	return (Rs./ha)	BC ratio
Weed Management	T ₁ : No weeding	0.03	0.03	2.97	14760.00	25889.49	11129.49	1.75
_	T ₂ : Three Tyne hoe (Grubber)	0.03	0.03	4.64	20246.91	40446.88	20199.97	2.00
	T ₃ : Rotary tiller (Manual)	0.03	0.03	4.71	19586.91	41057.07	21470.16	2.10
	SEm <u>+</u>							
	CD(P=0.05)							



T₂: Three Tyne hoe (Grubber)



T₂: Three Tyne hoe (Grubber)



T₃: Rotary tiller (Manual)

OFT- 10 ((Home Science)) Rabi 2023

- Thematic area: Value addition
- Problem definition/Name of OFT: Spoilage of mushroom due to poor shelf life

i.	Title of OFT		ment of different treatment preserva oom powder for enhancing the shelf-	tion methods on preparation of oyster life.					
ii.	Problem diagnose	Spoilag	ge of mushroom due to poor shelf life.						
iii.	Details of technology selected for	FP	Drying & Powdering of mushroom w	vithout any treatment.					
	assessment/refinement	TO ₁	TO ₁ Drying & Powdering of mushroom by pre-treating with 0.5% citric acid.						
		TO ₂	Drying & Powdering of mushroom b	y pre-treating with 1% KMS					
iv.	Source of technology	DRPCAU, Pusa							
v.	Production system and thematic area	Value	addition						
vi.	Performance of technology with		ical Indicator :						
	performance indicator	>	Organoleptic evaluation	Economic Indicator: ➤ Benefit Cost Ratio					

Table.1 Assessment of different treatment preservation methods on preparation of oyster mushroom powder for enhancing the shelf-life after 6 months

Technological options	No. of trials	Shelf Life (Days)	Colour	Texture	Taste
FP: Drying & Powdering of mushroom without any	10	94	Dull	Semi soft	Average
treatment.					
TO ₁ : Drying & Powdering of mushroom by pretreating with 0.5% citric acid.	10	131	Good	Soft	Good
TO ₂ : Drying & Powdering of mushroom by pretreating with 1% KMS	10	163	Very Good	Soft	Very Good

Result compared at 5-point hedonic scale: Dislike extremely (1), Dislike slightly (2), Neither like nor dislike (3), Like Slightly (4), Like extremely (5)

Table 2 Economics of preparing oyster mushroom powder prepared through different treatment methods

The trial was conducted in helta, kubbatoli and bendi village. The farm women were grouped into 3 categories that is Farmer's practice, Technology option 1 and Technology option 2. The mushroom was blanched for 2 minutes with specified amount of citric acid and KMS respectively, dried for 7 to 10 days and powdered. The powder was kept for 6 months for its quality analysis.

The mushroom powder under TO₂ was found very good in color and taste and the texture of dried mushroom was found soft. So Mushroom powder treated with KMS was having good shelf life and recommended for storing dehydrated mushroom long period.

vii. Final Recommendation at micro level situation:

The mushroom powder under TO2 was found very good in color and taste and the texture of dried mushroom was found soft. So Mushroom powder treated with KMS was having good shelf life and recommended for storing dehydrated mushroom long period.

viii. Constraints identified and feedback for research

Technological options	No. of trials	Cost of Preparation (Rs/Kg)	Gross return (Rs/kg)	Net return	B:C ratio
FP: Drying & Powdering of mushroom without any treatment.	10	1000	1200	200	1.20
TO ₁ : Drying & Powdering of mushroom by pre-treating with 0.5% citric acid.	10	1250	1500	250	1.20
TO ₂ : Drying & Powdering of mushroom by pre-treating with 1% KMS	10	1250	1550	300	1.20

Spoilage of mushroom due to poor shelf life.

ix. Process of farmer's participation and their reaction

- Group Meetings with mushroom growers
- Need Assessment
- Problem Diagnosed
- Trail was conducted
- Follow up
- > Feedback

B. Results with Tables

Thematic Area: Food Preservation

Table.1 Assessment of different treatment preservation methods on preparation of oyster mushroom powder for enhancing the shelf-life after 6 months

Technological options	No. of trials	Shelf Life	Colour	Texture	Taste
		(Days)			
FP: Drying & Powdering of mushroom without any treatment.	10	94	Dull	Semi soft	Average
TO ₁ : Drying & Powdering of mushroom by pretreating with 0.5% citric acid.	10	131	Good	Soft	Good
TO ₂ : Drying & Powdering of mushroom by pretreating with 1% KMS	10	163	Very Good	Soft	Very Good

Result compared at 5-point hedonic scale: Dislike extremely (1), Dislike slightly (2), Neither like nor dislike (3), Like Slightly (4), Like extremely (5)

Table 2 Economics of preparing oyster mushroom powder prepared through different treatment methods

Technological options	No. of	Cost of Preparation	Gross	Net	В:С
	trials	(Rs/Kg)	return (Rs/kg)	return	ratio
FP: Drying & Powdering of mushroom without any treatment.	10	1000	1200	200	1.20
TO ₁ : Drying & Powdering of mushroom by pre-treating with 0.5% citric acid.	10	1250	1500	250	1.20
TO ₂ : Drying & Powdering of mushroom by pre-treating with 1% KMS	10	1250	1550	300	1.20

The mushroom powder under TO₂ was found very good in color and taste and the texture of dried mushroom was found soft. So Mushroom powder treated with KMS was having good shelf life and recommended for storing dehydrated mushroom long period.

OFT-11 (Animal Science)

- Thematic area: Livestock production and management Problem definition/Name of OFT: Low body weight gain in goat

1.	Title of On farm Trial (OFT)	:	Assessment of Saccharmyces and Lactobacilla goats	us based probio	otics as growth	promoters in							
2.	Problem diagnosed	:	Low body weight gain in goat										
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	:	FP- Natural grazing with use of anthelmintics and Fenbendazole @ 7.5 mg/kg body weight) TO ₁ – FP + use of probiotics @ 5 gm daily			ody weight							
			TO ₂ – Natural grazing with use of probiotics @ 5 gm daily and anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body 3 months interval										
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	:	W.B.U.A.F.S. Kolkata										
5.	Production system and thematic area	:	Livestock production and management										
6.	Performance of the Technology with	:	Technical Options	Parameters									
	·			Initial body weight (kg)	Initial body weight (kg)	Initial body weight (kg)							
			Open grazing	4.5	4.5	4.5							
				5.0	5.0	5.0							
				5.0	5.0	5.0							
7.	Final recommendation for micro level situation	:	Natural foraging with use of probiotics @ 5 gm dai body weight and Fenbendazole @ 7.5 mg/kg by performance as compared to farmer's practices.										
8.	Constraints identified and feedback for research	:	This type of trial is not successful because goat keeper is illiterate, they do not follow timely drugs supplementary										
9.	Process of farmers participation and their reaction	:	Farmers reaction is positive dur to drastic change	in body weight g	ain in goats.								

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 (kg/goat	Cost of cultivation (Rs./year)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio	
		Proposed	Actual		` ,				
Livestock production and management	FP- Natural grazing with use of anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at pre and post rainy season	10	10	12.60	3660	10080	6480	2.8	
	FP + use of probiotics @ 5 gm daily	10	10	14.50	3720	11600	7880	3.12	
	Natural grazing with use of probiotics @ 5 gm daily and anthelmintics (Oxyclozanide@ 10 mg/kg body weight and Fenbendazole @ 7.5 mg/kg body weight) at 3 months interval		10	16.30	3880	13040	9160	3.36	









OFT-12 (Animal Science)

Thematic area: Animal Disease management
 Problem definition/Name of OFT: Repeat breeding

1.	Title of On farm Trial (OFT)	Effect of herbal mixture on repeat breedi	ng in Dairy a	animal									
2.	Problem diagnosed	Repeat breeding											
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP- Deworming & Mineral mixture TO ₁ -FP + 1 st injection of Buserelin 20 sinsemination TO ₂ -FP + Curry leaves (50 g), Turmer pulp (100 g), Cissus stem (100 g), Jagge	ic powder 9	5 g), Radish (•							
4.	Source of Technology	DR. RPCAU Pusa											
5.	Production system and thematic area	Livestock production and management											
6.	Performance of the Technology with performance indicators	Table:											
		Treatment	No. of animal coceived	Milk production (in lit)	Total cost of food treatment, animal	Gross income	Net income	В:С					
		FP- Deworming & Mineral mixture	5	1260	18000	63000	45000	3.5					
		TO ₁ -FP + 1 st injection of Buserelin 20 ug (5ml) I/M, 6 h before the AI and 2 nd on day 12 after last insemination	7	1470	19200	73500	54300	3.82					
		TO ₂ – FP + Curry leaves (50 g), Turmeric powder 95 g), Radish (1), Moringa leaves (100 g), Alovera pulp (100 g), Cissus stem (100 g), Jaggery 9100 g) and salt (25 g	9	1722	20100	86100	66000	4.28					
7.	Final recommendation for micro level situation	FP + Curry leaves (50 g), Turmeric pow g), Cissus stem (100 g), Jaggery 9100 practices.											
8.	Constraints identified and feedback for research	 Knowledge gap Difficulties in accessing the animal hospit 	1. Knowledge gap 2.Difficulties in accessing the animal hospital/ Doctor										
9.	Process of farmers participation and their reaction	 Participatory and interactive On field training Regular field visit and feedback 	Participatory and interactive On field training										

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

Thematic area	Technology options with detailed treatments	Area (ha in crop Fodder)/ Nos (in Proposed		Yield (lit)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
Animal Disease	FP- Deworming & Mineral mixture	10	10	1260	18000	63000	45000	3.5
management	TO ₁ -FP + 1 st injection of Buserelin 20 ug (5ml) I/M, 6 h before the AI and 2 nd on day 12 after last insemination	10	10	1470	19200	73500	54300	3.82
	TO ₂ – FP + Curry leaves (50 g), Turmeric powder 95 g), Radish (1), Moringa leaves (100 g), Alovera pulp (100 g), Cissus stem (100 g), Jaggery 9100 g) and salt (25 g	10	10	1722	20100	86100	66000	4.28







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	Yield in check
					(q/ha)	(q/ha)
1.	Cereals 2024					`•
	Paddy	15	4.9	15	36.81	33.08
	Finger millet	40	16	82	19.7	17.3
	Wheat	15	5.6	15	Growth stage	
2.	Oil Seed					
3.	CFLD OLS Rabi 2023-24					
	Mustard	75	30	65	14.94	10.72
	Linseed	25	10	21	10.35	7.49
	Sunflower	50	20	104	12.05	5.50
4.	DRMR Mustard Rabi 2023-24	100	40	110	16.54	11.95
5.	DRMR Mustard Rabi 2024-25	100	40	100	Growth stage	
6.	CFLD OLS Kharif 2024-25					
	Groundnut	113	45	158	17.64	14.23
	Niger	205	82	153	4.68	3.54
	Sesame	100	40	91	7.79	5.18
7.	AICRP Niger Kharif 2024-25	50	20	50	4.37	3.39
8.	CFLD OLS Rabi 2024-25					
	Mustard	500	200	376	Growth stage	
	Linseed	100	40	114	Growth stage	
	Sunflower	50	20	105	Growth stage	
9.	Model Village Oilseed Rabi 2024-25					
	Mustard	500	200	372	Growth stage	
10.	Pulses					
11.	CFLD PLS Kharif 2023-24					
	Redgram	125	50	167	14.63	10.82
12.	CFLD PLS Rabi 2023-24					
	Lentil	50	20	109	12.52	8.15
13.	ICAR-IIPR Pulses Rabi 2024-25					
	Lentil	25	10	24	Growth stage	

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
14.	Horticulture Crops					
	Tomato	03	1.0	07	308.36	203.49
	Brinjal	01	0.091	13	209.06	123.92
	Chilli	01	0.065	13	86.08	55.33
	Potato	80	32	80	145.29	102.15
	Papaya	01	0.2	20	375.94	246.72
	Marigold	01	0.4	03	170.60	108.26
15.	Other crops					
	Natural farming Rabi 2023-24	12	4.8	12	-	-
	Natural Farming 2024-25	12	4.8	12	-	-
16.	Hybrid crop					
	Paddy DRH-2	1075	300	430	42.6	32.30
	Maize DKC-9149	13	5.0	24	46.7	40.5
	Sunflower Rabi 2023-24 under CFLD	50	20	104	12.05	5.50
17.	Livestock					
	Forage crop	08	03	55	242.6	176.5
	Backyard poultry	03	03 unit	03	168	126
	Duck farming	10	10 unit	10	114	58
18.	Fisheries	10	10	10	8.3	5.2
19.	Other enterprises					
	Apiculture	04	04	04	48 kg	25 kg
	Lac	27	10.8	27	9.5	7.3
20.	Women empowerment					
	Mushroom cultivation 2023	25	25 unit	25	-	648 kg
	Mushroom cultivation 2024	30	30 unit	30	-	Pin head stage
	Nutritional security	20		20	Growt	h stage
	Nutri garden 2023	20	20 unit	20		164.6 q
	Nutri garden Kharif 2024	20	20 unit	20		192 q
	Nutri garden Rabi 2024	20	20 unit	20	Growth stage	
21.	Farm Machinery					
_	Drip irrigation (Tomato)	01	0.2	01		
	Spray through Agri drone	133	53.4	102		
	Grand Total					

B. Details of FLDs conducted during the year 20241. Cereals

	Thematic	Name of the	No. of	Area	Yield	(q/ha)	%	*Ecoi	nomics of (Rs./	demonstrat /ha)	ion		*Economics (Rs./		
Crop	Area	technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	2024-25														
Paddy	ICM	Variety— CR Dhan 320	05	2.25	41.7	36.9	13.01	48820	95910	47090	1.96	47730	84870	37140	1.78
Paddy	ICM	Variety- Swarna Shreya	09	2.25	40.3	35.6	13.20	48820	92690	43870	1.90	47950	81880	33930	1.71
Finger Millet	ICM	Variety- GPU-28	82	16.0	19.7	17.3	13.87	34260	63040	28780	1.84	33320	55360	22040	1.66
Rice	Water Management	DSR (Aerobic)	01	0.4	28.43	26.75	6.28	36095.2	74389	38293.8	2.06	35619.2	68,925.00	33,305.80	1.94
Wheat	ICM	Variety- DBW-187	13	5.0						Growth stag	e				
Wheat	RCT	Variety- DBW-187 with Zero tillage	01	0.4						Growth stag	e				
Wheat	Water conservation	Variety- DBW-187 with Micro irrigation	01	0.2		Growth stage									
Total			112	26.5											

2. Oilseeds

2. Olisee	Themat	Name of the	No. of	Area	Yield	(q/ha)	%	*Econom	ics of demo	nstration (R	Rs./ha)	*	Economics (Rs./h		
Crop	ic Area	technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
CFLD Rabi	i 2023-24														
Mustard	ICM	Improve variety PM- 30+ICM	65	30	14.94	10.72	39.36	36525.00	84411.00	47886.00	2.31	32800.00	60568.00	27768.00	1.85
	ICM	ICM+Priyam	9	06	10.20	7.39	38.02	28775.00	61655.00	32880.00	2.14	26375.00	40642.00	14270.00	1.54
Linseed		ICM+Birsa Tisi-2	12	04	10.50	7.59	38.34	28775.00	57750.00	28975.00	2.00	26375.00	41745.00	15370.00	1.54
Sunflower	ICM	ICM+LSFH- 171	104	20	12.05	5.50	119.09	32420.00	81458.00	49038.00	2.51	29280.00	37180.00	7900.00	1.27
		Total	190	60											
DRMR Mu				1	ı										
Mustard	ICM	Variety BBM-1	110	40	16.54	11.95	37.66	36750	93451	56701	2.54	32250	67815	35565	2.09
DRMR Mu	stard Rabi	2024-25		•											
Mustard	ICM	Variety BBM-1	100	40					Flo	wering stag	e				
CFLD Kha			_	1	r										
	ICM	K-1812+ICM	136	40	19.12	14.25	34.17	50900	122043	71173	2.39	48950	96657	47707	1.97
Groundnut	ICM	K-6 +INM	22	05	16.17	14.21	13.79	55120	109681	56561	2.06	48800	96386	48386	1.97
Sesame	ICM	GT-6+ICM	91	40	7.79	5.18	50.38	26950	72190	45240	2.67	26450	48003	21553	1.81
	ICM	Birsa Niger-1 + ICM	54	29.8	4.67	3.42	36.55	22100	40708	18608	1.84	18900	29812	10912	1.57
Niger	101/1	Birsa Niger-3 + ICM	99	52.2	4.70	3.66	28.41	22200	40970	18770	1.84	19100	31904	12804	1.67
		Total	402	167											
CFLD Rabi		Г	1	I	ı										
Mustard	ICM	BBM-1+ICM	376	200											
Linseed	ICM	Priyam & Divya +ICM	114	40							Floweri	ng stage			
Sunflower	ICM	78+ICM	105	20											
		Total	595	260					T		ı	T	T	T	1
		Rabi 2024-25	<u> </u>		Г										
Mustard	ICM	BBM-1+ICM	372	200						-	Floweri	ng Stage			

Cuan	Themat	Name of the	No. of	Area	Yield	(q/ha)	%	*Econon	nics of dem	onstration	(Rs./ha)		*Economic (Rs.	es of check /ha)	30
Crop	ic Area	technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
AICRP Nig	ger Kharif	2024-25													
Niger	ICM	Variety – Birsa Niger-3 with Whole Package	10	4.0	4.72	3.04	55.26	19127	35400	16273	1.85	14170	22880	8630	1.61
Niger	ICM	Variety – Birsa Niger-3	10	4.0	3.9	3.34	16.47	14907	29250	14343	1.96	14657	25050	10393	1.71
Niger	ICM	Variety – Birsa Niger-3 with Method of sowing	10	4.0	4.43	3.74	18.45	16207	33225	17018	2.05	150027	28050	13023	1.87
Niger	ICM	Variety – Birsa Niger-3 with Fertilizer management	10	4.0	4.52	3.2	41.25	18377	33990	15523	1.84	14690	24000	9310	1.63
Niger	ICM	Variety – Birsa Niger-3 with Weed control	10	4.0	4.31	3.66	17.76	14767	32325	14858	1.85	15107	27450	12343	1.81
		Total	50	20											

Pulses

Crop	Thematic	Name of the	No. of	Area	Yield	(q/ha)	%	*Econom	ics of demon	stration (R	s./ha)			cs of check ./ha)	
Стор	Area	technology demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
								Cost	Return	Return	BCR	Cost	Return	Return	BCR
	CFLD Pulse	s Kharif & Rabi	2023-24												
	ICM	Rajeev lochan+ ICM	140	35.50	14.38	10.66	34.89	37383.00	100660.00	63277.00	2.69	34330.00	74620.00	40290.00	34330.00
Redgram		IPA 203+ICM	11	4.50	16.00	11.02	45.19	37703.00	112000.00	74297.00	2.97	34330.00	77140.00	42810.00	34330.00
		Component demonstration	16	10.00	13.52	10.79	25.30	35800.00	94640.00	58840.00	2.64	34330.00	75530.00	41200.00	34330.00
Lentil	ICM	ICM+IPL-220	109	20	12.52	8.15	53.61	40385.00	80441.00	40056.00	1.99	36800.00	52363.00	15563.00	1.42
		Total	276	70											
	ICAR-IIP	R Pulses Rabi 20	024-25												
Lentil	ICM	IPL-220	24	10					Fl	lowering sta	ige			•	•
		Total	24	10											

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

Crop	Thematic	Name of the technology	No. of	Area	Yield	(q/ha)	%	*Eco	nomics of (Rs./		tion	*	Economic (Rs./	s of check ha)	
Crop	Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Tomato	ICM	Variety- Swarna Anmol	07	1.0	308.36	203.49	51.53	71214	277528	206314	3.89	67786	183141	115355	2.70
Brinjal	ICM	Variety- Swarna Shyamali	13	0.091	209.06	123.92	68.70	64923	209062	144139	3.22	61231	123927	62696	2.02
Chilli	ICM	Variety- Swarna Apurva	13	0.065	86.08	55.33	55.58	68692	215206	146514	3.13	64846	138351	73505	2.13
Potato	ICM	Variety- Kufri Chipsona	80	32	145.29	102.15	42.23	80500	290580	210080	3.60	75500	204300	128800	2.70
Papaya	ICM	Variety- Ranchi Papaya	20	0.2	375.94	246.72	52.37	91125	376093	284968	4.12	87100	245228	159628	2.82
Marigold	ICM	Variety-Pusa Narangi	03	0.4	170.60	108.26	57.59	58167	204720	146553	3.51	54500	129912	75412	2.38
	Total		136	34.57											

4. Other crops

Crop	Thematic	Name of the technology	No. of	Area	Yield	(q/ha)	%	*Ecoi	nomics of (Rs.	demonstr /ha)	ation	*	Economic	es of check /ha)	
-	Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Natural Farming	(Rabi 2023-2	4)													
Wheat + Chickpea (DBW-187 & GNG 1958)			02	0.8	26.08	33.0	(-) 20.97	35750	57376	21626	1.60	39500	21626	33100	1.83
Potato (Kufri Sindoori)	Natural farming	Natural farming	05	2.0	113	134.0	(-) 15.67	75650	169500	93850	2.24	85400	93850	115600	2.35
Onion (Nasik Red)	lammig	component	03	1.2	101	127.0	(-) 20.47	56275	181800	125525	3.23	67500	125525	161100	3.38
Pea (GS-10)			02	0.8	74.65	82.5	(-) 9.51	52650	186625	133975	3.54	65500	133975	140750	3.15
Natural Farming	(Kharif 2024	-25)													
Maize + Cowpea	Natural	Natural	10	4.0	56.437	58.562	(-) 3.63	43650	125572	81922	2.88	48500	130300	81800	2.69
Ragi	farming	farming	01	0.4	14.27	13.85	(+) 3.03	27087	61218	34131	2.26	27381	59417	32036	2.17
Lady finger		component	01	0.4	92.67	87.25	(+) 6.21	52450	185340	132890	3.53	56500	174500	118000	3.09
Natural Farming	(Rabi 2024-2	5)													
Potato			05	2.0					•	•			•		
Pea		Natural	01	0.4											
Onion	Natural farming	farming	03	1.2					Gre	owth stage					
Wheat		component	02	0.8											
Chickpea			01	0.4											
Total			36	14.4											
Maize	Fodder production	Variety J- 1006	55	3.0	242.6	176.5	37.45	33500	97040	62540	2.90	30700	70600	39900	2.30

6. Demonstration details on crop hybrid varieties

C	Name of the	No. of	Area		(kg/ha) / paramete	-		Economics	(Rs./ha)	
Crop	Hybrid	Farmers	(ha)	Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
	Hybrid DKC-9149	24	5.0	46.7	40.5	15.31	46420	102740	56320	2.21
Paddy	DRH-2	430	300	42.60	32.30	31.88	39600	97980	58380	2.47
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals		454	305	89.3	72.8	47.19	86020	200720	114700	4.68
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower under CFLD Rabi 2023-24	LSFH-171	104	20	12.05	5.50	119.09	324.20	81458	49038	2.51
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds		104	20	12.05	5.50	119.09	324.20	81458	49038	2.51
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										

6	Name of the	No. of	Area		(kg/ha) / ı parametei	-		Economics	(Rs./ha)	
Crop	Hybrid	Farmers	(ha)	Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

7. Livestock

Category	Thematic	Name of the technology	No. of	No. of	Maj param		% change in major	Other pa	ırameter	*Ecoi	nomics of (R	demonstr s.)	ation	*	Economic (R		K
	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry	Backyard poultry	Breed-Sonali	03	03	168	126	33.33	-	-	291	1680	1389	5.77	232	1260	1028	5.42
Rabbitry																	
Piggery																	
Sheep and goat																	
Duckery	Duck farming	Breed- Khakhi Campbell	10	10	114	58	9655	1.200 (Body weight)	0.96 (Body weight)	440	1482	1042	3.36	260	754	494	2.90
Others (Pl. specify)																	
Total			13	13													

8. Fisheries

Cotogowy	Thematic	Name of the	No. of	No.	Major paramete	ers	% change	Other paramete	er	*Econo (Rs.)	omics of d	emonstrat	ion	*Econ (Rs.)	omics of	f check	
Category	area	technology demonstrated	Farme r	of units	Demons ration	Check	in major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	Fish farming	Composite fish	10	10	8.30	5.2	59.61	-	-	48500	207500	159000	4.27	4460	1300 00	85400	2.91
Mussels																	
Ornamental fishes																	
Others (pl specify)																	
		Total	10	10													

9. Other enterprises

Category	Name of the technology	No. of Farmer	No.of units	Ma paran	-	% change in major	Oth paran			*Econo nonstrati Rs./ı	ion (Rs.)	or			es of che Rs./unit	
	demonstrated	1 1111111		Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom																
Button mushroom																
Vermicompost																
Sericulture																
Apiculture	Beekeeping	04	04	48 kg	25kg	92	-	-	3200	8640	5440	2.70	2850	4500	1650	1.58
Lac	Lac cultivation	27	27	9.50kg	7.30kg	30.13	-	-	2800	8075	5275	2.88	2600	6205	3605	2.38
	Total	31	31													

10. Women empowerment

Name of technology	No. of	Name of technology	Obse	rvations	No. of
	demonstrations		Check	Demonstration	Beneficiaries
Women			Check	Demonstration	
Drudgery Reduction					
Enterprises	25 (2023) 30 (2024)	Scientific cultivation of oyster mushroom		648 kg (Pin head stage)	25 30
Farming System					
Health and nutrition	20 (2024)	Biofortified wheat DBW-187	-	Growth stage	20
Kitchen Garden					
Nutrigarden	20(2023) 20 (Aug,2024) 20 (Nov.2024)	Scientific Cultivation of Nutri Garden		164.6 q/h (2023) 192 q/h (2024) (Growth stage)	20 20 20
Storage Technique				, ,	
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total					135

11. Farm implements and machinery

Category	No. of FLDs	Name of the implement	Стор	No. of Farmer	Area (ha)	Filed obse (output/ma		% change in major parameter	Labor reduction (man days)	Cost reduction (Rs./ha or Rs./Unit)
						Demons ration	Check			
Sowing and planting tools and machineries										
Total Sowing and planting Machineries										
Intercultural operation tools and machineries										
Irrigation management tools and machineries	01	Drip irrigation in	Tomato	01	0.2	0.0333	0.0083	301.20	15	4050.00
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Spray	01	Agri Drone	Mustrard (BBM-1)	87	32.4	2.4	0.25	860	0.448	121.06
Spray	01	Agri Drone	Watermelon (Hybrid)	1	4.4	2.4	0.25	860	0.448	121.06
Spray	01	Agri Drone	Rice (Sonseriya)	14	16.6	2.4	0.25	860	0.448	121.06
Total	04			103	53.6	7.2333	0.7583	2881.2	16.344	4413.18

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
	Other than OLS & PLS				
1.	Field days	19/04/24, 18/09/24, 19/09/24, 26/09/24, 05/10/24, 08/10/24, 17/10/24, 03/11/24, 03/11/24, 07/11/24	10	150	
2.	Farmers Training	21/06/24, 22/06/24, 26/11/24, 25/05/24, 26/05/24, 27/05/24, 19/06/24	07	103	
3.	Media coverage				
4.	Training for extension functionaries				
	Oilseeds				
1.	Field days	15/04/24, 08/08/24, 30/09/24, 15/10/24, 16/10/24, 01/11/24, 06/11/24, 15/11/24, 06/01/24, 18/01/24, 18/01/24, 18/01/24, 19/01/24, 19/01/24, 19/01/24, 20/01/24, 20/01/24	17	203	
2.	Farmers Training	10/06/24, 11/06/24, 12/06/24, 17/06/24, 18/06/24, 20/06/24, 21/06/24, 26/06/24, 27/06/24, 01/07/24, 02/07/24, 17/08/24, 21/08/24, 24/08/24, 28/08/24,, 30/08/24, 02/09/24, 03/09/24, 05/09/24, 07/09/24, 09/11/24, 12/11/24, 04/11/24, 05/11/24, 08/11/24, 21/11/24, 29/11/24, 05/11/24, 07/11/24, 07/11/24, 08/11/24, 09/11/24, 14/11/24, 14/11/24, 16/11/24, 26/11/24, 10/11/24, 19/11/24, 21/11/24, 27/11/24, 09/11/24, 09/11/24, 09/11/24, 19/11/24, 19/11/24, 23/11/24, 24/11/24, 28/11/24,	51	1097	
3.	Media coverage				
4.	Training for extension functionaries				
	Pulses				
1.	Field days	20/03/21	01	41	
2.	Farmers Training	05/12/24	01	26	
3.	Media coverage				
4.	Training for extension functionaries				

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1	Paddy	Good response towards Aerobic rice variety Anjali
2	Wheat	Demonstration on wheat thresher machine creating awareness about safe gain recovery as well as feed security of animal
3	Maize	Good response towards Suwan-1
4	Rabi season crops	Water conservation through low cost methodology "Bora Bandi" under NICRA Project is emerging as boom for enhancing area under Rabi as well as summer crop
5	Paddy	Good response towards var. Sahbhagi dhan in respect of drought tolerant.
6	Wheat	Encouragement towards use of Improved and high yielding variety.
7	Mustard	Appreciation for VarPM-30
8	Agri Drone	Flying time and tank capacity should be more

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

(During Kharif, Rabi and Summer)

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's)	Existing yield	Yi	eld gap (Kg w.r.to	y/ha)	Name of Variety +	Number of	Area			eld obtained (q/ha) Yield gap minimiz			
		variety	(q/ha)	District	State	Potential	Technology	farmers	in ha			(%)			
		name		yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	P
01			7.39	215	435	(-)980	ICM+Priyam	09	06	13.10	10.20	10.20	28.19	47.19	(-)43.95
02	Linseed	Neelam	7.59	245	465	(-)920	ICM+Birsa Tisi-2	12	04	12.06	9.63	10.50	23.33	43.39	(-)46.70

B. Economic parameters

Sl.	Variety demonstrated &		Farmer's E	xisting plot		Demonstration plot				
No.	Technology demonstrated	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	
01	Priyam & ICM	26375.00	40642.00	14270.00	1.54	28775.00	61655.00	32880.00	2.14	
	Birsa Tisi-2 & ICM	26375.00	41745.00	15370.00	1.54	28775.00	57750.00	28975.00	2.00	

C. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Linseed & Priyam	1048	973	55.00	25	50	Additional income	40
2.	Linseed & Priyam	816	766	55.00	20	30	Additional income	40
3.	Linseed & Priyam	648	568	55.00	30	50	Additional income	30

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
4.	Linseed & Priyam	920	840	55.00	40	40	Additional income	40
5.	Linseed & Priyam	452	402	55.00	25	25	Additional income	20
6.	Linseed & Priyam	864	809	55.00	20	35	Additional income	40
7.	Linseed & Priyam	436	376	55.00	20	40	Additional income	20
8.	Linseed & Priyam	880	830	55.00	25	25	Additional income	40
9.	Linseed & Priyam	678	633	55.00	25	20	Additional income	30
10.	Linseed & Birsa Alsi-2	642	587	55.00	30	25	Additional income	30
11.	Linseed & Birsa Alsi-2	199.4	144.4	55.00	25	30	Additional income	10
12.	Linseed & Birsa Alsi-2	964.8	879.8	55.00	30	55	Additional income	40
13.	Linseed & Birsa Alsi-2	385.2	337.2	55.00	25	23	Additional income	20
14.	Linseed & Birsa Alsi-2	200	170	55.00	30	0	Additional income	10
15.	Linseed & Birsa Alsi-2	400	355	55.00	25	20	Additional income	20
16.	Linseed & Birsa Alsi-2	202	162	55.00	20	20	Additional income	10
17.	Linseed & Birsa Alsi-2	218	188	55.00	20	10	Additional income	10
18.	Linseed & Birsa Alsi-2	210	180	55.00	20	10	Additional income	10
19.	Linseed & Birsa Alsi-2	218.6	175.6	55.00	23	20	Additional income	10
20.	Linseed & Birsa Alsi-2	200	170	55.00	20	10	Additional income	10
21.	Linseed & Birsa Alsi-2	448	413	55.00	25	10	Additional income	20

D. Oil seeds Farmers' perception of the intervention demonstrated

Sl.	Technologies		Farmers' Perception parameters								
No.	demonstrated	Suitability to Likings		Affordability	Any negative	Is Technology	Suggestions, for				
		their farming	(Preference)	(Preference) effect		acceptable to all in	change/improvement.				
		system				the group/village					
1	ICM	Yes	Less water requiring crop	Yes	Crop yield affected by rust	Yes	Required high yielding crop variety				
2	ICM	Yes	Less water requiring crop	Yes	No	Yes	Required high yielding crop variety				

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback	
Moderately resistant to <i>Alternaria blight</i> , Powdery mildew & bud fly	Good	More no of capsules & branches is more than local variety	Overall good performance	
Moderately resistant to <i>Alternaria blight</i> , Powdery mildew & rust	Good	More no of capsules & branches is more than local variety	Overall good performance	

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended		
01	Training (04)	17,18,20/10/2023	52		
02	Field day	15/04/2024	13		

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



Pod formation Stage

Pod mature stage

9. Farmers' training photographs





10. Quality Photographs of field visits/field days and technology demonstrated.





Field day

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Linseed	i) Critical input ii) TA/DA/POL etc. for monitoring iii) Extension Activities (Field Day) iv)Publication of literature	10	10	50000.00	46850.00	
	Total	10	10	50000.00	46850.00	

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's)	Existing yield	Yi	eld gap (Kg w.r.to	/ha)	Name of Variety +	Number of	Area	Yield o	btained	(q/ha)	Yield	gap mi	nimized
		variety	(q/ha)	District	State	Potential	Technology	farmers	in ha					(70)	
		name		yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	P
01	Mustard	Shivani	10.72	502	507	(-) 768	PM-30+ICM	65	30	17.07	12.9	14.94	35.20	36.21	(-) 33.34

B. Economic parameters

Sl.	Variaty damanstrated &	Farmer's Existing plot				Demonstration plot			
No.	Variety demonstrated & Technology demonstrated	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
01	PM-30 and ICM (Improved variety, INM & IPM)	32800.00	60568.00	27768.00	1.85	36525.00	84411.00	47886.00	2.31

C. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Mustard & PM-30	612	594	56.50	10	8	Strengthening of livelihood	21
2.	Mustard & PM-30	601.2	583.2	56.50	12	6	Strengthening of livelihood	21
3.	Mustard & PM-30	594.8	569.8	56.50	15	10	Strengthening of livelihood	21
4.	Mustard & PM-30	608	578	56.50	10	20	Strengthening of livelihood	21
5.	Mustard & PM-30	626.8	608.8	56.50	8	10	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
6.	Mustard & PM-30	596	575	56.50	6	15	Strengthening of livelihood	21
7.	Mustard & PM-30	622.8	602.8	56.50	10	10	Strengthening of livelihood	21
8.	Mustard & PM-30	574.8	547.8	56.50	12	15	Strengthening of livelihood	21
9.	Mustard & PM-30	596	571	56.50	15	10	Strengthening of livelihood	21
10.	Mustard & PM-30	642.8	622.8	56.50	10	10	Strengthening of livelihood	21
11.	Mustard & PM-30	585.2	558.2	56.50	12	15	Strengthening of livelihood	21
12.	Mustard & PM-30	662.8	630.8	56.50	12	20	Strengthening of livelihood	21
13.	Mustard & PM-30	634.8	602.8	56.50	12	20	Strengthening of livelihood	21
14.	Mustard & PM-30	600	575	56.50	15	10	Strengthening of livelihood	21
15.	Mustard & PM-30	525.2	503.2	56.50	12	10	Strengthening of livelihood	21
16.	Mustard & PM-30	988.2	968.2	56.50	10	10	Strengthening of livelihood	31
17.	Mustard & PM-30	616	593	56.50	10	13	Strengthening of livelihood	21
18.	Mustard & PM-30	640	618	56.50	12	10	Strengthening of livelihood	21
19.	Mustard & PM-30	648	628	56.50	10	10	Strengthening of livelihood	21
20.	Mustard & PM-30	592	562	56.50	15	15	Strengthening of livelihood	21
21.	Mustard & PM-30	628	606	56.50	12	10	Strengthening of livelihood	21
22.	Mustard & PM-30	612	577	56.50	10	25	Strengthening of livelihood	21
23.	Mustard & PM-30	556	534	56.50	12	10	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
24.	Mustard & PM-30	644	629	56.50	15	0	Strengthening of livelihood	21
25.	Mustard & PM-30	616	591	56.50	15	10	Strengthening of livelihood	21
26.	Mustard & PM-30	552	522	56.50	20	10	Strengthening of livelihood	21
27.	Mustard & PM-30	644	624	56.50	10	10	Strengthening of livelihood	21
28.	Mustard & PM-30	786	759	56.50	12	15	Strengthening of livelihood	31
29.	Mustard & PM-30	978	955	56.50	15	8	Strengthening of livelihood	31
30.	Mustard & PM-30	616	602	56.50	6	8	Strengthening of livelihood	21
31.	Mustard & PM-30	1202.4	1188.4	56.50	8	6	Strengthening of livelihood	42
32.	Mustard & PM-30	638.8	618.8	56.50	10	10	Strengthening of livelihood	21
33.	Mustard & PM-30	316	296	56.50	15	5	Strengthening of livelihood	10
34.	Mustard & PM-30	592	576	56.50	10	6	Strengthening of livelihood	21
35.	Mustard & PM-30	620	598	56.50	12	10	Strengthening of livelihood	21
36.	Mustard & PM-30	900	882	56.50	6	12	Strengthening of livelihood	31
37.	Mustard & PM-30	548	518	56.50	15	15	Strengthening of livelihood	21
38.	Mustard & PM-30	943.8	923.8	56.50	10	10	Strengthening of livelihood	31
39.	Mustard & PM-30	1240	1220	56.50	10	10	Strengthening of livelihood	42
40.	Mustard & PM-30	624	602	56.50	12	10	Strengthening of livelihood	21
41.	Mustard & PM-30	632	609	56.50	15	8	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
42.	Mustard & PM-30	1410	1385	56.50	10	15	Strengthening of livelihood	52
43.	Mustard & PM-30	1430	1397	56.50	8	25	Strengthening of livelihood	52
44.	Mustard & PM-30	1570	1544	56.50	6	20	Strengthening of livelihood	52
45.	Mustard & PM-30	1540	1524	56.50	6	10	Strengthening of livelihood	52
46.	Mustard & PM-30	576	560	56.50	6	10	Strengthening of livelihood	21
47.	Mustard & PM-30	1144	1129	56.50	5	10	Strengthening of livelihood	42
48.	Mustard & PM-30	617.2	599.2	56.50	6	12	Strengthening of livelihood	21
49.	Mustard & PM-30	613.2	591.2	56.50	10	12	Strengthening of livelihood	21
50.	Mustard & PM-30	584	559	56.50	10	15	Strengthening of livelihood	21
51.	Mustard & PM-30	572	552	56.50	10	10	Strengthening of livelihood	21
52.	Mustard & PM-30	552	530	56.50	12	10	Strengthening of livelihood	21
53.	Mustard & PM-30	748	728	56.50	10	10	Strengthening of livelihood	21
54.	Mustard & PM-30	540	518	56.50	12	10	Strengthening of livelihood	21
55.	Mustard & PM-30	556	531	56.50	10	15	Strengthening of livelihood	21
56.	Mustard & PM-30	600	580	56.50	10	10	Strengthening of livelihood	21
57.	Mustard & PM-30	524	504	56.50	10	10	Strengthening of livelihood	21
58.	Mustard & PM-30	517.2	495.2	56.50	10	12	Strengthening of livelihood	21
59.	Mustard & PM-30	272	242	56.50	15	15	Strengthening of livelihood	10

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
60.	Mustard & PM-30	302	274	56.50	10	18	Strengthening of livelihood	10
61.	Mustard & PM-30	624	604	56.50	10	10	Strengthening of livelihood	21
62.	Mustard & PM-30	516	489	56.50	12	15	Strengthening of livelihood	21
63.	Mustard & PM-30	520	500	56.50	10	10	Strengthening of livelihood	21
64.	Mustard & PM-30	548	526	56.50	10	12	Strengthening of livelihood	21
65.	Mustard & PM-30	520	496	56.50	12	12	Strengthening of livelihood	21

D. Oil seeds Farmers' perception of the intervention demonstrated

Sl.	Technologies			Farmers'	Perception parameter	'S	
No.	demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.
1	Mustard (PM-30) + ICM (Improve variety, INM &IPM)	Less erucic acid and more pungent	High return and high oil content (37.7%) and better test	Yes	Yield loss due to Alterneria blight and White blister	Yes	Short duration variety

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
PM-30 variety: Plant height about 165-185	High yielding variety Suitable	High yielding variety Suitable for	Resist to high temp and high yielding
cm & maturity 135-154 Days	for irrigated	irrigated	variety

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	30/10/2023 & KVK	10
02	Training	01/11/2023& KVK	07
03	Training	03/11/2023 & KVK	20
03	Training	06/11/2023 & KVK	20
04	Field day	02/01/2023 & Gunia	24

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



9. Farmers' training photographs







Training & seed distribution

10. Quality Photographs of field visits/field days and technology demonstrated.







Field visit & Field day on Mustard

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Mustard	i) Critical inputii) TA/DA/POL etc. for monitoringiii) Extension Activities (Field Day)iv)Publication of literature	30	30	1,80,000.00	96,276.00	
	Total	30	30	1,80,000.00	96,276.00	

B. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's)	Existing yield	Yi	eld gap (Kg w.r.to	/ha)	Name of Variety +	nriety + Number		Area Yield obtained (q/ha)			Yield	Yield gap minimiz	
		variety	(q/ha)	District	State	Potential	Technology	farmers	in ha					(70)	
		name		yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	P
				(D)											
01	Sunflower	KBSH-53	5.50	975	842	(-)995	LSFH- 171+ICM	104	20	14.10	10.53	12.05	243.91	231.95	(-) 45.22

G. Economic parameters

Sl.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
No.		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
01	LSFH-171 & ICM	29280.00	37180.00	7900.00	1.27	32420.00	81458.00	49038.00	2.51

H. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Sunflower & LSFH-171	385	385	67.60	0	0	Strengthening of livelihood	16
2.	Sunflower & LSFH-171	377	377	67.60	0	0	Strengthening of livelihood	16
3.	Sunflower & LSFH-171	421	421	67.60	0	0	Strengthening of livelihood	22
4.	Sunflower & LSFH-171	538	538	67.60	0	0	Strengthening of livelihood	22
5.	Sunflower & LSFH-171	518	518	67.60	0	0	Strengthening of livelihood	22
6.	Sunflower & LSFH-171	476	476	67.60	0	0	Strengthening of livelihood	22

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
7.	Sunflower & LSFH-171	476	476	67.60	0	0	Strengthening of livelihood	22
8.	Sunflower & LSFH-171	114	114	67.60	0	0	Strengthening of livelihood	6
9.	Sunflower & LSFH-171	520	520	67.60	0	0	Strengthening of livelihood	22
10.	Sunflower & LSFH-171	477	477	67.60	0	0	Strengthening of livelihood	22
11.	Sunflower & LSFH-171	238	238	67.60	0	0	Strengthening of livelihood	9
12.	Sunflower & LSFH-171	254	254	67.60	0	0	Strengthening of livelihood	9
13.	Sunflower & LSFH-171	941	941	67.60	0	0	Strengthening of livelihood	43
14.	Sunflower & LSFH-171	456	456	67.60	0	0	Strengthening of livelihood	22
15.	Sunflower & LSFH-171	452	452	67.60	0	0	Strengthening of livelihood	22
16.	Sunflower & LSFH-171	481	481	67.60	0	0	Strengthening of livelihood	22
17.	Sunflower & LSFH-171	920	920	67.60	0	0	Strengthening of livelihood	43
18.	Sunflower & LSFH-171	441	441	67.60	0	0	Strengthening of livelihood	22
19.	Sunflower & LSFH-171	469	469	67.60	0	0	Strengthening of livelihood	22
20.	Sunflower & LSFH-171	514	514	67.60	0	0	Strengthening of livelihood	22
21.	Sunflower & LSFH-171	282	282	67.60	0	0	Strengthening of livelihood	11
22.	Sunflower & LSFH-171	236	236	67.60	0	0	Strengthening of livelihood	11
23.	Sunflower & LSFH-171	228	228	67.60	0	0	Strengthening of livelihood	11
24.	Sunflower & LSFH-171	705	705	67.60	0	0	Strengthening of livelihood	32

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
2.5	0.00.00.00.00.00.00.00.00.00.00.00.00.0	402	402	67.60			Strengthening of	22
25.	Sunflower & LSFH-171	482	482	67.60	0	0	livelihood	22
26.	Sunflower & LSFH-171	465	465	67.60	0	0	Strengthening of livelihood	22
27.	Sunflower & LSFH-171	444	444	67.60	0	0	Strengthening of livelihood	22
28.	Sunflower & LSFH-171	708	708	67.60	0	0	Strengthening of livelihood	32
29.	Sunflower & LSFH-171	121	121	67.60	0	0	Strengthening of livelihood	6
30.	Sunflower & LSFH-171	236	236	67.60	0	0	Strengthening of livelihood	11
31.	Sunflower & LSFH-171	121	121	67.60	0	0	Strengthening of livelihood	6
32.	Sunflower & LSFH-171	115	115	67.60	0	0	Strengthening of livelihood	6
33.	Sunflower & LSFH-171	119	119	67.60	0	0	Strengthening of livelihood	6
34.	Sunflower & LSFH-171	234	234	67.60	0	0	Strengthening of livelihood	11
35.	Sunflower & LSFH-171	248	248	67.60	0	0	Strengthening of livelihood	11
36.	Sunflower & LSFH-171	57	57	67.60	0	0	Strengthening of livelihood	3
37.	Sunflower & LSFH-171	100	100	67.60	0	0	Strengthening of livelihood	4
38.	Sunflower & LSFH-171	59	59	67.60	0	0	Strengthening of livelihood	3
39.	Sunflower & LSFH-171	149	149	67.60	0	0	Strengthening of livelihood	7
40.	Sunflower & LSFH-171	65	65	67.60	0	0	Strengthening of livelihood	3
41.	Sunflower & LSFH-171	97	97	67.60	0	0	Strengthening of livelihood	4
42.	Sunflower & LSFH-171	37	37	67.60	0	0	Strengthening of livelihood	2

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
43.	Sunflower & LSFH-171	37	37	67.60	0	0	Strengthening of livelihood	2
44.	Sunflower & LSFH-171	62	62	67.60	0	0	Strengthening of livelihood	3
45.	Sunflower & LSFH-171	101	101	67.60	0	0	Strengthening of livelihood	4
46.	Sunflower & LSFH-171	125	125	67.60	0	0	Strengthening of livelihood	6
47.	Sunflower & LSFH-171	74	74	67.60	0	0	Strengthening of livelihood	4
48.	Sunflower & LSFH-171	96	96	67.60	0	0	Strengthening of livelihood	4
49.	Sunflower & LSFH-171	62	62	67.60	0	0	Strengthening of livelihood	3
50.	Sunflower & LSFH-171	59	59	67.60	0	0	Strengthening of livelihood	3
51.	Sunflower & LSFH-171	63	63	67.60	0	0	Strengthening of livelihood	3
52.	Sunflower & LSFH-171	46	46	67.60	0	0	Strengthening of livelihood	2
53.	Sunflower & LSFH-171	37	37	67.60	0	0	Strengthening of livelihood	2
54.	Sunflower & LSFH-171	35	35	67.60	0	0	Strengthening of livelihood	2
55.	Sunflower & LSFH-171	59	59	67.60	0	0	Strengthening of livelihood	3
56.	Sunflower & LSFH-171	118	118	67.60	0	0	Strengthening of livelihood	6
57.	Sunflower & LSFH-171	46	46	67.60	0	0	Strengthening of livelihood	2
58.	Sunflower & LSFH-171	51	51	67.60	0	0	Strengthening of livelihood	2
59.	Sunflower & LSFH-171	484	484	67.60	0	0	Strengthening of livelihood	22
60.	Sunflower & LSFH-171	449	449	67.60	0	0	Strengthening of livelihood	22

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
61.	Sunflower & LSFH-171	377	377	67.60	0	0	Strengthening of livelihood	16
62.	Sunflower & LSFH-171	369	369	67.60	0	0	Strengthening of livelihood	16
63.	Sunflower & LSFH-171	381	381	67.60	0	0	Strengthening of livelihood	16
64.	Sunflower & LSFH-171	454	454	67.60	0	0	Strengthening of livelihood	22
65.	Sunflower & LSFH-171	722	722	67.60	0	0	Strengthening of livelihood	32
66.	Sunflower & LSFH-171	315	315	67.60	0	0	Strengthening of livelihood	15
67.	Sunflower & LSFH-171	116	116	67.60	0	0	Strengthening of livelihood	6
68.	Sunflower & LSFH-171	124	124	67.60	0	0	Strengthening of livelihood	6
69.	Sunflower & LSFH-171	95	95	67.60	0	0	Strengthening of livelihood	4
70.	Sunflower & LSFH-171	115	115	67.60	0	0	Strengthening of livelihood	6
71.	Sunflower & LSFH-171	85	85	67.60	0	0	Strengthening of livelihood	4
72.	Sunflower & LSFH-171	112	112	67.60	0	0	Strengthening of livelihood	6
73.	Sunflower & LSFH-171	48	48	67.60	0	0	Strengthening of livelihood	2
74.	Sunflower & LSFH-171	45	45	67.60	0	0	Strengthening of livelihood	2
75.	Sunflower & LSFH-171	47	47	67.60	0	0	Strengthening of livelihood	2
76.	Sunflower & LSFH-171	138	138	67.60	0	0	Strengthening of livelihood	7
77.	Sunflower & LSFH-171	64	64	67.60	0	0	Strengthening of livelihood	3
78.	Sunflower & LSFH-171	124	124	67.60	0	0	Strengthening of livelihood	6

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
79.	Sunflower & LSFH-171	60	60	67.60	0	0	Strengthening of livelihood	3
80.	Sunflower & LSFH-171	61	61	67.60	0	0	Strengthening of livelihood	3
81.	Sunflower & LSFH-171	56	56	67.60	0	0	Strengthening of livelihood	3
82.	Sunflower & LSFH-171	116	116	67.60	0	0	Strengthening of livelihood	6
83.	Sunflower & LSFH-171	62	62	67.60	0	0	Strengthening of livelihood	3
84.	Sunflower & LSFH-171	120	120	67.60	0	0	Strengthening of livelihood	5
85.	Sunflower & LSFH-171	57	57	67.60	0	0	Strengthening of livelihood	3
86.	Sunflower & LSFH-171	63	63	67.60	0	0	Strengthening of livelihood	3
87.	Sunflower & LSFH-171	117	117	67.60	0	0	Strengthening of livelihood	5
88.	Sunflower & LSFH-171	121	121	67.60	0	0	Strengthening of livelihood	5
89.	Sunflower & LSFH-171	121	121	67.60	0	0	Strengthening of livelihood	5
90.	Sunflower & LSFH-171	65.5	65.5	67.60	0	0	Strengthening of livelihood	3
91.	Sunflower & LSFH-171	65	65	67.60	0	0	Strengthening of livelihood	3
92.	Sunflower & LSFH-171	122	122	67.60	0	0	Strengthening of livelihood	6
93.	Sunflower & LSFH-171	65	65	67.60	0	0	Strengthening of livelihood	3
94.	Sunflower & LSFH-171	123	123	67.60	0	0	Strengthening of livelihood	6
95.	Sunflower & LSFH-171	57	57	67.60	0	0	Strengthening of livelihood	3
96.	Sunflower & LSFH-171	123	123	67.60	0	0	Strengthening of livelihood	6

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
97.	Sunflower & LSFH-171	253	253	67.60	0	0	Strengthening of livelihood	11
98.	Sunflower & LSFH-171	186	186	67.60	0	0	Strengthening of livelihood	9
99.	Sunflower & LSFH-171	144	144	67.60	0	0	Strengthening of livelihood	7
100.	Sunflower & LSFH-171	242	242	67.60	0	0	Strengthening of livelihood	11
101.	Sunflower & LSFH-171	290	290	67.60	0	0	Strengthening of livelihood	14
102.	Sunflower & LSFH-171	253	253	67.60	0	0	Strengthening of livelihood	11
103.	Sunflower & LSFH-171	240	240	67.60	0	0	Strengthening of livelihood	11
104.	Sunflower & LSFH-171	248	248	67.60	0	0	Strengthening of livelihood	11

I. Oil seeds Farmers' perception of the intervention demonstrated

Sl.	Technologies		Farmers' Perception parameters							
No.	demonstrated	Suitability	Likings	Affordability	Any negative	Is Technology	Suggestions, for			
		to their farming	(Preference)		effect	acceptable to all in the group/village	change/improvement.			
		system				the group/vinage				
1	Mustard (PM-30) + ICM (Improve variety, INM &IPM)	Less erucic acid and more pungent	High return and high oil content (37.7%) and better test	Yes	Yield loss due to Alterneria blight and White blister	Yes	Short duration variety			

J. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
PM-30 variety: Plant height about 165-185	High yielding variety Suitable	High yielding variety Suitable for	Resist to high temp and high yielding
cm & maturity 135-154 Days	for irrigated	irrigated	variety

K. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	30/10/2023 & KVK	10
02	Training	01/11/2023& KVK	07
03	Training	03/11/2023 & KVK	20
03	Training	06/11/2023 & KVK	20
04	Field day	02/01/2023 & Gunia	24

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







Growth Stage

Flowering Stage









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प्राथम प्रभावनात्व कारान्य स्थापन स्यापन स्थापन स्यापन स्थापन स्

News

Mature stage

Standing crop

9. Farmers' training photographs





Crop	Items	Area (ha)	Area (ha)	Budget	Budget	Balance
(Provide crop wise		allotted	achieved	Received	Utilization	(Rs.)
information)				(Rs.)	(Rs.)	
	i) Critical input					
Sunflower	ii) TA/DA/POL etc. for monitoring	20	20	1,20,000.00	89,008.00	
	iii) Extension Activities (Field Day)	_,		-,,	,	
	iv)Publication of literature					
	Total	20	20	1,20,000.00	89,008.00	

A. Technical Parameters:

Sl.	Crop	Existing	Existin	Yiel	Yield gap (Kg/ha)		Name of	Numbe	Are	Yield obtained		ined	Yield gap		p
No	demonstrate	(Farmer's)	g yield		w.r.to		Variety +	r of	a in		(q/ha)		m	ninimize	ed
	d	variety	(q/ha)	Distric	Stat	Potentia	Technology	farmers	ha					(%)	
		name		t	e	l	demonstrate			Max	Min	Av.	D	S	P
				yield	yield	yield (P)	d				•				
				(D)	(S)										
01	Lentil	Local	8.15	517	357	(-) 498	IPL-220+ICM	109	20	14.0	11.0	12.5 2	41.2 9	29.8 8	(-) 28.4 6

B. Economic parameters

Sl.	Variety		Farmer's Existing plot			Demonstration plot			
No.	demonstrated &								
	Technology	Gross	Gross	Net	В:С	Gross Cost	Gross	Net Return	В:С
	demonstrated	Cost	return	Return	ratio	(Rs/ha)	return	(Rs/ha)	ratio
		(Rs/ha)	(Rs/ha)	(Rs/ha)			(Rs/ha)	, ,	
01	IPL-220 & ICM	36800.00	52363.00	15563.00	1.42	40385.00	80441.00	40056.00	1.99

C. Socio-economic impact parameter

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Lentil & IPL-220	159.9	139.9	64.25	10	10	Additional Income	6
2	Lentil & IPL-220	217.6	192.6	64.25	15	10	Additional Income	7
3	Lentil & IPL-220	246.6	221.6	64.25	20	5	Additional Income	9
4	Lentil & IPL-220	215.22	155.22	64.25	10	50	Additional Income	7
5	Lentil & IPL-220	522.4	487.4	64.25	20	15	Additional Income	17
6	Lentil & IPL-220	252	217	64.25	25	10	Additional Income	9

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
7	Lentil & IPL-220	157.3	127.3	64.25	20	10	Additional Income	6
8	Lentil & IPL-220	226.1	206.1	64.25	20	0	Additional Income	7
9	Lentil & IPL-220	215.9	190.9	64.25	25	0	Additional Income	7
10	Lentil & IPL-220	516	491	64.25	10	15	Additional Income	17
11	Lentil & IPL-220	165.1	140.1	64.25	15	10	Additional Income	6
12	Lentil & IPL-220	209.61	179.61	64.25	20	10	Additional Income	7
13	Lentil & IPL-220	248	213	64.25	15	20	Additional Income	9
14	Lentil & IPL-220	493.2	468.2	64.25	15	10	Additional Income	17
15	Lentil & IPL-220	256	236	64.25	10	10	Additional Income	9
16	Lentil & IPL-220	252	237	64.25	15	0	Additional Income	9
17	Lentil & IPL-220	268.6	248.6	64.25	20	0	Additional Income	9
18	Lentil & IPL-220	488	458	64.25	20	10	Additional Income	17
19	Lentil & IPL-220	59.15	24.15	64.25	20	15	Additional Income	2
20	Lentil & IPL-220	82.6	52.6	64.25	20	10	Additional Income	3
21	Lentil & IPL-220	276	251	64.25	15	10	Additional Income	9
22	Lentil & IPL-220	163.8	128.8	64.25	25	10	Additional Income	6
23	Lentil & IPL-220	63	43	64.25	20	0	Additional Income	2
24	Lentil & IPL-220	274	244	64.25	20	10	Additional Income	9
25	Lentil & IPL-220	224.91	189.91	64.25	25	10	Additional Income	7
26	Lentil & IPL-220	92.12	77.12	64.25	10	5	Additional Income	3

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
27	Lentil & IPL-220	221	196	64.25	15	10	Additional Income	7
28	Lentil & IPL-220	382.8	352.8	64.25	20	10	Additional Income	14
29	Lentil & IPL-220	160.68	135.68	64.25	15	10	Additional Income	6
30	Lentil & IPL-220	266	231	64.25	15	20	Additional Income	9
31	Lentil & IPL-220	485.2	455.2	64.25	10	20	Additional Income	17
32	Lentil & IPL-220	492	457	64.25	15	20	Additional Income	17
33	Lentil & IPL-220	474.4	444.4	64.25	20	10	Additional Income	17
34	Lentil & IPL-220	488	458	64.25	20	10	Additional Income	17
35	Lentil & IPL-220	492	462	64.25	20	10	Additional Income	17
36	Lentil & IPL-220	508	471	64.25	25	12	Additional Income	17
37	Lentil & IPL-220	520	500	64.25	10	10	Additional Income	17
38	Lentil & IPL-220	508	478	64.25	15	15	Additional Income	17
39	Lentil & IPL-220	497.2	467.2	64.25	20	10	Additional Income	17
40	Lentil & IPL-220	469.2	446.2	64.25	15	8	Additional Income	17
41	Lentil & IPL-220	480	452	64.25	20	8	Additional Income	17
42	Lentil & IPL-220	497.2	467.2	64.25	20	10	Additional Income	17
43	Lentil & IPL-220	217.6	188.6	64.25	25	4	Additional Income	7
44	Lentil & IPL-220	476	456	64.25	10	10	Additional Income	17

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
45	Lentil & IPL-220	251.2	226.2	64.25	15	10	Additional Income	9
46	Lentil & IPL-220	200.6	170.6	64.25	20	10	Additional Income	7
47	Lentil & IPL-220	100.24	80.24	64.25	15	5	Additional Income	3
48	Lentil & IPL-220	101.6	81.6	64.25	15	5	Additional Income	3
49	Lentil & IPL-220	202.3	187.3	64.25	10	5	Additional Income	7
50	Lentil & IPL-220	189.21	164.21	64.25	15	10	Additional Income	7
51	Lentil & IPL-220	425.7	400.7	64.25	20	5	Additional Income	14
52	Lentil & IPL-220	161.2	136.2	64.25	20	5	Additional Income	6
53	Lentil & IPL-220	77	57	64.25	15	5	Additional Income	3
54	Lentil & IPL-220	239.7	229.7	64.25	10	0	Additional Income	7
55	Lentil & IPL-220	207.4	192.4	64.25	15	0	Additional Income	7
56	Lentil & IPL-220	87.5	67.5	64.25	20	0	Additional Income	3
57	Lentil & IPL-220	235.11	205.11	64.25	20	10	Additional Income	7
58	Lentil & IPL-220	86.1	66.1	64.25	20	0	Additional Income	3
59	Lentil & IPL-220	301.3	271.3	64.25	20	10	Additional Income	10
60	Lentil & IPL-220	79.52	64.52	64.25	15	0	Additional Income	3
61	Lentil & IPL-220	87.22	72.22	64.25	15	0	Additional Income	3
62	Lentil & IPL-220	88.9	68.9	64.25	20	0	Additional Income	3

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
63	Lentil & IPL-220	95.9	75.9	64.25	20	0	Additional Income	3
64	Lentil & IPL-220	118	93	64.25	25	0	Additional Income	4
65	Lentil & IPL-220	85.4	80.4	64.25	5	0	Additional Income	3
66	Lentil & IPL-220	34.08	24.08	64.25	10	0	Additional Income	1
67	Lentil & IPL-220	86.8	71.8	64.25	15	0	Additional Income	3
68	Lentil & IPL-220	37.5	27.5	64.25	10	0	Additional Income	1
69	Lentil & IPL-220	250	240	64.25	10	0	Additional Income	9
70	Lentil & IPL-220	83.3	73.3	64.25	10	0	Additional Income	3
71	Lentil & IPL-220	889	849	64.25	20	20	Additional Income	30
72	Lentil & IPL-220	36.3	26.3	64.25	10	0	Additional Income	1
73	Lentil & IPL-220	36.6	26.6	64.25	10	0	Additional Income	1
74	Lentil & IPL-220	208	198	64.25	10	0	Additional Income	7
75	Lentil & IPL-220	124	99	64.25	20	5	Additional Income	4
76	Lentil & IPL-220	134	119	64.25	10	5	Additional Income	4
77	Lentil & IPL-220	63	53	64.25	10	0	Additional Income	2
78	Lentil & IPL-220	64	54	64.25	10	0	Additional Income	2
79	Lentil & IPL-220	91	86	64.25	5	0	Additional Income	3
80	Lentil & IPL-220	114	104	64.25	10	0	Additional Income	4

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
81	Lentil & IPL-220	260	240	64.25	10	10	Additional Income	9
82	Lentil & IPL-220	258	233	64.25	15	10	Additional Income	9
83	Lentil & IPL-220	260	235	64.25	15	10	Additional Income	9
84	Lentil & IPL-220	121	111	64.25	10	0	Additional Income	4
85	Lentil & IPL-220	252	237	64.25	10	5	Additional Income	9
86	Lentil & IPL-220	129	119	64.25	10	0	Additional Income	4
87	Lentil & IPL-220	238	213	64.25	15	10	Additional Income	9
88	Lentil & IPL-220	121.3	111.3	64.25	10	0	Additional Income	4
89	Lentil & IPL-220	120	100	64.25	10	10	Additional Income	4
90	Lentil & IPL-220	120	105	64.25	10	5	Additional Income	4
91	Lentil & IPL-220	262	242	64.25	10	10	Additional Income	9
92	Lentil & IPL-220	468	438	64.25	20	10	Additional Income	17
93	Lentil & IPL-220	227.12	212.12	64.25	15	0	Additional Income	7
94	Lentil & IPL-220	161.2	151.2	64.25	10	0	Additional Income	6
95	Lentil & IPL-220	256	236	64.25	10	10	Additional Income	9
96	Lentil & IPL-220	151.19	136.19	64.25	10	5	Additional Income	6
97	Lentil & IPL-220	91	86	64.25	5	0	Additional Income	3
98	Lentil & IPL-220	232.9	222.9	64.25	10	0	Additional Income	7

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
99	Lentil & IPL-220	89.6	84.6	64.25	5	0	Additional Income	3
100	Lentil & IPL-220	210.12	190.12	64.25	10	10	Additional Income	7
101	Lentil & IPL-220	209.1	204.1	64.25	5	0	Additional Income	7
102	Lentil & IPL-220	198.9	178.9	64.25	10	10	Additional Income	7
103	Lentil & IPL-220	147.29	137.29	64.25	10	0	Additional Income	6
104	Lentil & IPL-220	138	128	64.25	10	0	Additional Income	4
105	Lentil & IPL-220	146.9	136.9	64.25	10	0	Additional Income	6
106	Lentil & IPL-220	221	206	64.25	10	5	Additional Income	7
107	Lentil & IPL-220	158.6	143.6	64.25	10	5	Additional Income	6
108	Lentil & IPL-220	140	125	64.25	10	5	Additional Income	4
109	Lentil & IPL-220	39.6	34.6	64.25	5	0	Additional Income	1

D. Pulses Farmers' perception of the intervention demonstrated

Sl.	Technologies		Farmers' Perception parameters						
No.	demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.		
01	ICM	Minimum wilt disease	Better test	Yes	Poor yield	Yes	Need flood tolerant and high yielding variety		

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback	
Resistant to wilt disease	Good	Demo plot better than local	Overall good performance	

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	31/10/2023, 8/11/2023	50
02	Field day	25/03/2024	22

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







Germination stage Growth stage Field day on ripening stage







Ripening stage Crop cutting

9. Farmers' training photographs



10. Quality Photographs of field visits/field days and technology demonstrated.







Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input ii) TA/DA/POL etc. for monitoring iii) Extension Activities (Field Day) iv)Publication of literature	20	20	180000.00	167081.00	(-) 167081.00
	Total	20	20	180000.00	167081.00	(-)167081.00

A. Technical Parameters:

Sl.	Crop	Existing	Existin	Yield gap (Kg/ha)		Name of	Numbe	Are	Yiel	Yield obtained		Yield gap		ıp	
No	demonstrate	(Farmer's	g yield	w.r.to		Variety +	r of	a in		(q/ha)		minimized			
	d) variety	(q/ha)	Distric	ic Stat Potentia		Technology	farmer	ha				(%)		
		name		t	e	l	demonstrate	S		Max	Min.	Av.	D	S	P
				yield	yiel	yield (P)	d								
				(D)	d (S)										
01	Red gram		10.66	58	289	(-) 462	Rajeev lochan+ ICM	140	35.5 0	15.8 6	12.8	14.3 8	4.03	25.1 5	(-) 24.3
02	Red gram	Asha	11.02	220	451	(-) 346	IPA 203+ICM	11	4.50	17.0 3	14.4	16.0 0	13.7	28.1 9	(-) 17.78
03	Redgram		10.79	(-)28	203	(-)548	Component demonstration	16	10.0 0	14.6 0	12.4 6	13.5 2	(-) 2.02	15.0 1	-

B. Economic parameters

Sl. No.	Variety demonstrated & Technology		Farmer's E	xisting plot		Demonstration plot				
	demonstrated	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	
01	Rajeev lochan & ICM	34330.00	74620.00	40290.00	2.17	37383.00	100660.00	63277.00	2.69	
02	IPA 203 & ICM	34330.00	77140.00	42810.00	2.25	37703.00	112000.00	74297.00	2.97	
03	Rajeev lochan (Component)	34330.00	75530.00	41200.00	2.20	35800.00	94640.00	58840.00	2.64	

C. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1	Redgram & Rajeev Lochan	919.8	889.8	70.00	20	10	Additional income	
2	Redgram & Rajeev Lochan	284.6	254.6	70.00	20	10	Additional income	
3	Redgram & Rajeev Lochan	140	100	70.00	25	15	Additional income	
4	Redgram & Rajeev Lochan	149.6	104.6	70.00	25	20	Additional income	
5	Redgram & Rajeev Lochan	430.8	400.8	70.00	20	10	Additional income	
6	Redgram & Rajeev Lochan	312.6	282.6	70.00	15	15	Additional income	
7	Redgram & Rajeev Lochan	282	252	70.00	10	20	Additional income	
8	Redgram & Rajeev Lochan	260.6	230.6	70.00	10	20	Additional income	
9	Redgram & Rajeev Lochan	276.6	253.6	70.00	8	15	Additional income	
10	Redgram & Rajeev Lochan	290	270	70.00	10	10	Additional income	
11	Redgram & Rajeev Lochan	143.3	123.3	70.00	10	10	Additional income	
12	Redgram & Rajeev Lochan	299	274	70.00	10	15	Additional income	
13	Redgram & Rajeev Lochan	292	260	70.00	12	20	Additional income	
14	Redgram & Rajeev Lochan	280.6	245.6	70.00	15	20	Additional income	
15	Redgram & Rajeev Lochan	148	113	70.00	10	25	Additional income	
16	Redgram & Rajeev Lochan	148	118	70.00	10	20	Additional income	
17	Redgram & Rajeev Lochan	148	123	70.00	15	10	Additional income	
18	Redgram & Rajeev Lochan	300	280	70.00	10	10	Additional income	
19	Redgram & Rajeev Lochan	453.9	433.9	70.00	10	10	Additional income	
20	Redgram & Rajeev Lochan	154.6	132.6	70.00	10	12	Additional income	
21	Redgram & Rajeev Lochan	149	119	70.00	15	15	Additional income	

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
22	Redgram & Rajeev Lochan	1152	1122	70.00	10	20	Additional income	
23	Redgram & Rajeev Lochan	594.4	564.4	70.00	10	20	Additional income	
24	Redgram & Rajeev Lochan	645	622	70.00	8	15	Additional income	
25	Redgram & Rajeev Lochan	576	551	70.00	10	15	Additional income	
26	Redgram & Rajeev Lochan	1218.4	1188.4	70.00	10	20	Additional income	
27	Redgram & Rajeev Lochan	554.4	524.4	70.00	10	20	Additional income	
28	Redgram & Rajeev Lochan	537	515	70.00	12	10	Additional income	
29	Redgram & Rajeev Lochan	825.6	800.6	70.00	15	10	Additional income	
30	Redgram & Rajeev Lochan	1100.8	1065.8	70.00	10	25	Additional income	
31	Redgram & Rajeev Lochan	947	925	70.00	12	10	Additional income	
32	Redgram & Rajeev Lochan	733	698	70.00	15	20	Additional income	
33	Redgram & Rajeev Lochan	605	575	70.00	15	15	Additional income	
34	Redgram & Rajeev Lochan	966	936	70.00	10	20	Additional income	
35	Redgram & Rajeev Lochan	616	591	70.00	10	15	Additional income	
36	Redgram & Rajeev Lochan	630.4	612.4	70.00	8	10	Additional income	
37	Redgram & Rajeev Lochan	577	554	70.00	11	12	Additional income	
38	Redgram & Rajeev Lochan	1212.8	1180.8	70.00	10	22	Additional income	
39	Redgram & Rajeev Lochan	565	540	70.00	10	15	Additional income	

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
40	Redgram & Rajeev Lochan	590.4	563.4	70.00	12	15	Additional income	
41	Redgram & Rajeev Lochan	634.4	599.4	70.00	15	20	Additional income	
42	Redgram & Rajeev Lochan	536	504	70.00	12	20	Additional income	
43	Redgram & Rajeev Lochan	608	588	70.00	10	10	Additional income	
44	Redgram & Rajeev Lochan	634.4	609.4	70.00	15	10	Additional income	
45	Redgram & Rajeev Lochan	596	576	70.00	10	10	Additional income	
46	Redgram & Rajeev Lochan	557	537	70.00	10	10	Additional income	
47	Redgram & Rajeev Lochan	930	898	70.00	12	20	Additional income	
48	Redgram & Rajeev Lochan	280	250	70.00	15	15	Additional income	
49	Redgram & Rajeev Lochan	540	505	70.00	15	20	Additional income	
50	Redgram & Rajeev Lochan	548	523	70.00	10	15	Additional income	
51	Redgram & Rajeev Lochan	585	565	70.00	10	10	Additional income	
52	Redgram & Rajeev Lochan	630.4	608.4	70.00	10	12	Additional income	
53	Redgram & Rajeev Lochan	588	561	70.00	12	15	Additional income	
54	Redgram & Rajeev Lochan	1202.4	1167.4	70.00	15	20	Additional income	
55	Redgram & Rajeev Lochan	260	220	70.00	20	20	Additional income	
56	Redgram & Rajeev Lochan	275	255	70.00	10	10	Additional income	
57	Redgram & Rajeev Lochan	609	589	70.00	10	10	Additional income	
58	Redgram & Rajeev Lochan	580	560	70.00	10	10	Additional income	_

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
59	Redgram & Rajeev Lochan	605	575	70.00	20	10	Additional income	
60	Redgram & Rajeev Lochan	566.4	536.4	70.00	10	20	Additional income	
61	Redgram & Rajeev Lochan	556	521	70.00	20	15	Additional income	
62	Redgram & Rajeev Lochan	568	538	70.00	10	20	Additional income	
63	Redgram & Rajeev Lochan	576	551	70.00	10	15	Additional income	
64	Redgram & Rajeev Lochan	616	596	70.00	10	10	Additional income	
65	Redgram & Rajeev Lochan	614.4	582.4	70.00	20	12	Additional income	
66	Redgram & Rajeev Lochan	562.4	537.4	70.00	10	15	Additional income	
67	Redgram & Rajeev Lochan	601	571	70.00	10	20	Additional income	
68	Redgram & Rajeev Lochan	622.4	582.4	70.00	20	20	Additional income	
69	Redgram & Rajeev Lochan	588	558	70.00	20	10	Additional income	
70	Redgram & Rajeev Lochan	578.4	558.4	70.00	10	10	Additional income	
71	Redgram & Rajeev Lochan	939.6	904.6	70.00	20	15	Additional income	
72	Redgram & Rajeev Lochan	75.3	55.3	70.00	10	10	Additional income	
73	Redgram & Rajeev Lochan	68	48	70.00	10	10	Additional income	
74	Redgram & Rajeev Lochan	72	47	70.00	10	15	Additional income	
75	Redgram & Rajeev Lochan	73.8	33.8	70.00	20	20	Additional income	
76	Redgram & Rajeev Lochan	69	44	70.00	10	15	Additional income	
77	Redgram & Rajeev Lochan	71.5	41.5	70.00	20	10	Additional income	

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
78	Redgram & Rajeev Lochan	72	50	70.00	10	12	Additional income	
79	Redgram & Rajeev Lochan	71.8	36.8	70.00	20	15	Additional income	
80	Redgram & Rajeev Lochan	70.65	35.65	70.00	15	20	Additional income	
81	Redgram & Rajeev Lochan	66.8	34.8	70.00	12	20	Additional income	
82	Redgram & Rajeev Lochan	69.6	47.6	70.00	12	10	Additional income	
83	Redgram & Rajeev Lochan	75.5	45.5	70.00	20	10	Additional income	
84	Redgram & Rajeev Lochan	70	50	70.00	10	10	Additional income	
85	Redgram & Rajeev Lochan	69	39	70.00	20	10	Additional income	
86	Redgram & Rajeev Lochan	71.6	41.6	70.00	10	20	Additional income	
87	Redgram & Rajeev Lochan	109.8	74.8	70.00	20	15	Additional income	
88	Redgram & Rajeev Lochan	111.4	92.4	70.00	11	8	Additional income	
89	Redgram & Rajeev Lochan	64	49	70.00	15	0	Additional income	
90	Redgram & Rajeev Lochan	69	54	70.00	15	0	Additional income	
91	Redgram & Rajeev Lochan	71.5	49.5	70.00	10	12	Additional income	
92	Redgram & Rajeev Lochan	68.65	51.65	70.00	12	5	Additional income	
93	Redgram & Rajeev Lochan	67.5	37.5	70.00	10	20	Additional income	
94	Redgram & Rajeev Lochan	66.5	35.5	70.00	11	20	Additional income	
95	Redgram & Rajeev Lochan	69.65	44.65	70.00	15	10	Additional income	
96	Redgram & Rajeev Lochan	65.15	45.15	70.00	10	10	Additional income	

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
97	Redgram & Rajeev Lochan	64.65	44.65	70.00	10	10	Additional income	
98	Redgram & Rajeev Lochan	135	113	70.00	12	10	Additional income	
99	Redgram & Rajeev Lochan	70.6	40.6	70.00	10	20	Additional income	
100	Redgram & Rajeev Lochan	66	41	70.00	10	15	Additional income	
101	Redgram & Rajeev Lochan	114.6	82.6	70.00	12	20	Additional income	
102	Redgram & Rajeev Lochan	64.15	34.15	70.00	20	10	Additional income	
103	Redgram & Rajeev Lochan	70	50	70.00	10	10	Additional income	
104	Redgram & Rajeev Lochan	71	39	70.00	20	12	Additional income	
105	Redgram & Rajeev Lochan	72.8	54.8	70.00	10	8	Additional income	
106	Redgram & Rajeev Lochan	279	239	70.00	20	20	Additional income	
107	Redgram & Rajeev Lochan	1088	1047	70.00	11	30	Additional income	
108	Redgram & Rajeev Lochan	1120	1085	70.00	15	20	Additional income	
109	Redgram & Rajeev Lochan	198	173	70.00	15	10	Additional income	
110	Redgram & Rajeev Lochan	128	108	70.00	10	10	Additional income	
111	Redgram & Rajeev Lochan	216.4	194.4	70.00	12	10	Additional income	
112	Redgram & Rajeev Lochan	260.6	230.6	70.00	10	20	Additional income	
113	Redgram & Rajeev Lochan	203	176	70.00	12	15	Additional income	
114	Redgram & Rajeev Lochan	210.4	170.4	70.00	20	20	Additional income	
115	Redgram & Rajeev Lochan	136.3	109.3	70.00	12	15	Additional income	

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
116	Redgram & Rajeev Lochan	146.6	116.6	70.00	20	10	Additional income	
117	Redgram & Rajeev Lochan	133.6	111.6	70.00	10	12	Additional income	
118	Redgram & Rajeev Lochan	234	204	70.00	20	10	Additional income	
119	Redgram & Rajeev Lochan	210.4	179.4	70.00	11	20	Additional income	
120	Redgram & Rajeev Lochan	219	184	70.00	15	20	Additional income	
121	Redgram & Rajeev Lochan	218.4	191.4	70.00	15	12	Additional income	
122	Redgram & Rajeev Lochan	146	126	70.00	10	10	Additional income	
123	Redgram & Rajeev Lochan	137.6	115.6	70.00	12	10	Additional income	
124	Redgram & Rajeev Lochan	229	209	70.00	10	10	Additional income	
125	Redgram & Rajeev Lochan	212	182	70.00	10	20	Additional income	
126	Redgram & Rajeev Lochan	223	188	70.00	20	15	Additional income	
127	Redgram & Rajeev Lochan	221.4	191.4	70.00	10	20	Additional income	
128	Redgram & Rajeev Lochan	203	168	70.00	20	15	Additional income	
129	Redgram & Rajeev Lochan	221.4	201.4	70.00	10	10	Additional income	
130	Redgram & Rajeev Lochan	159	127	70.00	20	12	Additional income	
131	Redgram & Rajeev Lochan	285	259	70.00	11	15	Additional income	
132	Redgram & Rajeev Lochan	292.6	257.6	70.00	15	20	Additional income	
133	Redgram & Rajeev Lochan	302	267	70.00	15	20	Additional income	
134	Redgram & Rajeev Lochan	266	246	70.00	10	10	Additional income	

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
135	Redgram & Rajeev Lochan	570.4	548.4	70.00	12	10	Additional income	
136	Redgram & Rajeev Lochan	290.6	270.6	70.00	10	10	Additional income	
137	Redgram & Rajeev Lochan	424	398	70.00	11	15	Additional income	
138	Redgram & Rajeev Lochan	300.6	270.6	70.00	10	20	Additional income	
139	Redgram & Rajeev Lochan	298	271	70.00	12	15	Additional income	
140	Redgram & Rajeev Lochan	307	277	70.00	10	20	Additional income	
1	Redgram & IPA 203	649	625	70.00	12	12	Additional income	
2	Redgram & IPA 203	657	637	70.00	10	10	Additional income	
3	Redgram & IPA 203	601	576	70.00	10	15	Additional income	
4	Redgram & IPA 203	721	696	70.00	10	15	Additional income	
5	Redgram & IPA 203	614	591	70.00	13	10	Additional income	
6	Redgram & IPA 203	641	621	70.00	10	10	Additional income	
7	Redgram & IPA 203	617	585	70.00	12	20	Additional income	
8	Redgram & IPA 203	658	633	70.00	10	15	Additional income	
9	Redgram & IPA 203	681	651	70.00	10	20	Additional income	
10	Redgram & IPA 203	666	636	70.00	10	20	Additional income	
11	Redgram & IPA 203	676	656	70.00	10	10	Additional income	
1	Redgram & farmers variety	1140.8	1128.8		12	0	Additional income	

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
2	Redgram & farmers variety	1068.8	1048.8		10	10	Additional income	
3	Redgram & farmers variety	801.6	791.6		10	0	Additional income	
4	Redgram & farmers variety	1128	1102		11	15	Additional income	
5	Redgram & farmers variety	1120	1097		13	10	Additional income	
6	Redgram & farmers variety	853.8	833.8		10	10	Additional income	
7	Redgram & farmers variety	805.8	795.8		10	0	Additional income	
8	Redgram & farmers variety	1072	1052		10	10	Additional income	
9	Redgram & farmers variety	1052.8	1042.8		10	0	Additional income	
10	Redgram & farmers variety	498.4	488.4		10	0	Additional income	
11	Redgram & farmers variety	518.4	498.4		10	10	Additional income	
12	Redgram & farmers variety	750	730		10	10	Additional income	
13	Redgram & farmers variety	1060.8	1050.8		10	0	Additional income	
14	Redgram & farmers variety	544	524		10	10	Additional income	
15	Redgram & farmers variety	584	569		10	5	Additional income	
16	Redgram & farmers variety	549.2	529.2		12	8	Additional income	

D. Pulses Farmers' perception of the intervention demonstrated

Sl.	Technologies			Farme	rs' Perception	parameters		
No.	demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.	
01	Rajeev Lochan + ICM & IPM	Resistant to SMD & wilt	Bold seeded	Yes	Pod borer & pod fly	Yes	Short duration variety	
02	IPA 203 + ICM & IPM	Resistant to Phytopthora blight & wilt	Good cooking quality	Yes	Pod borer	Yes	Short duration variety	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback	
Wilt resistant	Good	Demo plot plant growth and no of pod is better than local	Overall good performance	
Wilt resistant	Good	Demo plot plant growth and no of pod is better than local	Overall good performance	

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	24/06/23, 4,8,14,18 & 29/07/2023	128
02	Field day	03/03/2024	16

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







9. Farmers' training photographs





10. Quality Photographs of field visits/field days and technology demonstrated.







11. Details of budget utilization

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Redgram	i) Critical input ii) TA/DA/POL etc. for monitoring iii) Extension Activities (Field Day) iv)Publication of literature	50	50	0.00	255072.00	(-) 255072.00
	Total	50	50	0.00	255072.00	(-) 255072.00

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety	Existing yield (q/ha)	District			Name of Variety + Technology	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
		name		yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	Р
01	Constant	V.C	14.25	517	705	1588	K-1812+ICM	136	40	22.70	17.10	19.12	27.04	36.87	(-) (45.37)
02	Groundnut	K-6	14.21	222	410	-	K-6+ICM	22	05	15.60	13.00	16.17	13.73	25.35	(-) (23.00)

B. Economic parameters

Sl.	Variety demonstrated &		Farmer's Exi	sting plot			Demonstr	ation plot	
No.	Technology demonstrated	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
01	Seed variety-K-1812, 100 kg/ ha, Line sowing (30x10 cm), RDF (25:50:20), weedicides (Pendiamethalin @ 1.2 li/ha) & ICM	48950	96657	47707	1.97	50900	122043	71173	2.39
02	Seed variety-K-6, 100 kg/ha, Line sowing (30x10 cm), RDF (25:50:20), Gypsum 300kg/ha, weedicides (Pendiamethalin @ 3 lit/ha) & ICM	48800	96386	48386	1.97	55120	109681	56561	2.06

C. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Groundnut & K-1812	1218	1128	67.83	60	30	Strengthening of livelihood	62
2.	Groundnut & K-1812	363	298	67.83	40	25	Strengthening of livelihood	21
3.	Groundnut & K-1812	345	285	67.83	40	20	Strengthening of livelihood	21
4.	Groundnut & K-1812	1154	1069	67.83	60	25	Strengthening of livelihood	62
5.	Groundnut & K-1812	576	516	67.83	30	30	Strengthening of livelihood	31
6.	Groundnut & K-1812	820	740	67.83	40	40	Strengthening of livelihood	42
7.	Groundnut & K-1812	712	622	67.83	50	40	Strengthening of livelihood	42
8.	Groundnut & K-1812	1102	1022	67.83	60	20	Strengthening of livelihood	62
9.	Groundnut & K-1812	729	664	67.83	40	25	Strengthening of livelihood	42
10.	Groundnut & K-1812	940	860	67.83	50	30	Strengthening of livelihood	52
11.	Groundnut & K-1812	643	593	67.83	30	20	Strengthening of livelihood	31
12.	Groundnut & K-1812	564	509	67.83	30	25	Strengthening of livelihood	31
13.	Groundnut & K-1812	395	345	67.83	50	0	Strengthening of livelihood	21
14.	Groundnut & K-1812	588	538	67.83	30	20	Strengthening of livelihood	31
15.	Groundnut & K-1812	372	307	67.83	40	25	Strengthening of livelihood	21
16.	Groundnut & K-1812	612	562	67.83	30	20	Strengthening of livelihood	31

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
17.	Groundnut & K-1812	551	521	67.83	30	0	Strengthening of livelihood	31
18.	Groundnut & K-1812	811	771	67.83	40	0	Strengthening of livelihood	42
19.	Groundnut & K-1812	387	342	67.83	20	25	Strengthening of livelihood	21
20.	Groundnut & K-1812	744	674	67.83	40	30	Strengthening of livelihood	42
21.	Groundnut & K-1812	390	310	67.83	40	40	Strengthening of livelihood	21
22.	Groundnut & K-1812	549	494	67.83	30	25	Strengthening of livelihood	31
23.	Groundnut & K-1812	385	315	67.83	40	30	Strengthening of livelihood	21
24.	Groundnut & K-1812	396	356	67.83	20	20	Strengthening of livelihood	21
25.	Groundnut & K-1812	406	306	67.83	40	60	Strengthening of livelihood	21
26.	Groundnut & K-1812	1280	1195	67.83	60	25	Strengthening of livelihood	62
27.	Groundnut & K-1812	1166	1076	67.83	60	30	Strengthening of livelihood	62
28.	Groundnut & K-1812	600	550	67.83	30	20	Strengthening of livelihood	31
29.	Groundnut & K-1812	804	744	67.83	40	20	Strengthening of livelihood	42
30.	Groundnut & K-1812	396	331	67.83	40	25	Strengthening of livelihood	21
31.	Groundnut & K-1812	186	126	67.83	40	20	Strengthening of livelihood	10
32.	Groundnut & K-1812	387	312	67.83	50	25	Strengthening of livelihood	21
33.	Groundnut & K-1812	788	723	67.83	40	25	Strengthening of livelihood	42
34.	Groundnut & K-1812	769	709	67.83	40	20	Strengthening of livelihood	42

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
35.	Groundnut & K-1812	392	307	67.83	85	0	Strengthening of livelihood	21
36.	Groundnut & K-1812	1362	1252	67.83	60	50	Strengthening of livelihood	62
37.	Groundnut & K-1812	804	734	67.83	40	30	Strengthening of livelihood	42
38.	Groundnut & K-1812	567	517	67.83	30	20	Strengthening of livelihood	31
39.	Groundnut & K-1812	844	754	67.83	40	50	Strengthening of livelihood	42
40.	Groundnut & K-1812	721	651	67.83	40	30	Strengthening of livelihood	42
41.	Groundnut & K-1812	587	537	67.83	30	20	Strengthening of livelihood	31
42.	Groundnut & K-1812	547	497	67.83	30	20	Strengthening of livelihood	31
43.	Groundnut & K-1812	360	280	67.83	50	30	Strengthening of livelihood	21
44.	Groundnut & K-1812	388	248	67.83	100	40	Strengthening of livelihood	21
45.	Groundnut & K-1812	579	499	67.83	30	50	Strengthening of livelihood	31
46.	Groundnut & K-1812	379	279	67.83	40	60	Strengthening of livelihood	21
47.	Groundnut & K-1812	389	279	67.83	60	50	Strengthening of livelihood	21
48.	Groundnut & K-1812	367	297	67.83	20	50	Strengthening of livelihood	21
49.	Groundnut & K-1812	724	644	67.83	40	40	Strengthening of livelihood	42
50.	Groundnut & K-1812	796	756	67.83	40	0	Strengthening of livelihood	42
51.	Groundnut & K-1812	381	311	67.83	20	50	Strengthening of livelihood	21
52.	Groundnut & K-1812	399	339	67.83	20	40	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
53.	Groundnut & K-1812	350	280	67.83	40	30	Strengthening of livelihood	21
54.	Groundnut & K-1812	384	284	67.83	50	50	Strengthening of livelihood	21
55.	Groundnut & K-1812	1262	1152	67.83	70	40	Strengthening of livelihood	73
56.	Groundnut & K-1812	380	360	67.83	20	0	Strengthening of livelihood	21
57.	Groundnut & K-1812	386	306	67.83	40	40	Strengthening of livelihood	21
58.	Groundnut & K-1812	383	313	67.83	20	50	Strengthening of livelihood	21
59.	Groundnut & K-1812	381	291	67.83	50	40	Strengthening of livelihood	21
60.	Groundnut & K-1812	400	330	67.83	20	50	Strengthening of livelihood	21
61.	Groundnut & K-1812	395	325	67.83	20	50	Strengthening of livelihood	21
62.	Groundnut & K-1812	376	296	67.83	40	40	Strengthening of livelihood	21
63.	Groundnut & K-1812	715	625	67.83	40	50	Strengthening of livelihood	42
64.	Groundnut & K-1812	364	284	67.83	40	40	Strengthening of livelihood	21
65.	Groundnut & K-1812	379	319	67.83	20	40	Strengthening of livelihood	21
66.	Groundnut & K-1812	380	270	67.83	60	50	Strengthening of livelihood	21
67.	Groundnut & K-1812	385	295	67.83	40	50	Strengthening of livelihood	21
68.	Groundnut & K-1812	378	318	67.83	20	40	Strengthening of livelihood	21
69.	Groundnut & K-1812	194	114	67.83	30	50	Strengthening of livelihood	10
70.	Groundnut & K-1812	376	246	67.83	80	50	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
71.	Groundnut & K-1812	1453	1333	67.83	80	40	Strengthening of livelihood	83
72.	Groundnut & K-1812	342	297	67.83	20	25	Strengthening of livelihood	21
73.	Groundnut & K-1812	760	370	67.83	40	350	Strengthening of livelihood	42
74.	Groundnut & K-1812	543	473	67.83	30	40	Strengthening of livelihood	31
75.	Groundnut & K-1812	593	513	67.83	30	50	Strengthening of livelihood	31
76.	Groundnut & K-1812	564	474	67.83	30	60	Strengthening of livelihood	31
77.	Groundnut & K-1812	560	490	67.83	30	40	Strengthening of livelihood	31
78.	Groundnut & K-1812	564	484	67.83	30	50	Strengthening of livelihood	31
79.	Groundnut & K-1812	395	275	67.83	80	40	Strengthening of livelihood	21
80.	Groundnut & K-1812	374	274	67.83	40	60	Strengthening of livelihood	21
81.	Groundnut & K-1812	416	316	67.83	20	80	Strengthening of livelihood	21
82.	Groundnut & K-1812	405	345	67.83	20	40	Strengthening of livelihood	21
83.	Groundnut & K-1812	362	272	67.83	40	50	Strengthening of livelihood	21
84.	Groundnut & K-1812	390	300	67.83	40	50	Strengthening of livelihood	21
85.	Groundnut & K-1812	375	295	67.83	20	60	Strengthening of livelihood	21
86.	Groundnut & K-1812	391	301	67.83	50	40	Strengthening of livelihood	21
87.	Groundnut & K-1812	378	298	67.83	20	60	Strengthening of livelihood	21
88.	Groundnut & K-1812	406	296	67.83	60	50	Strengthening of livelihood	21

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
89.	Groundnut & K-1812	379	299	67.83	40	40	Strengthening of livelihood	21
90.	Groundnut & K-1812	739	649	67.83	40	50	Strengthening of livelihood	42
91.	Groundnut & K-1812	362	312	67.83	20	30	Strengthening of livelihood	21
92.	Groundnut & K-1812	361	271	67.83	40	50	Strengthening of livelihood	21
93.	Groundnut & K-1812	348	288	67.83	20	40	Strengthening of livelihood	21
94.	Groundnut & K-1812	364	289	67.83	40	35	Strengthening of livelihood	21
95.	Groundnut & K-1812	384	309	67.83	20	55	Strengthening of livelihood	21
96.	Groundnut & K-1812	185	85	67.83	40	60	Strengthening of livelihood	10
97.	Groundnut & K-1812	402	287	67.83	75	40	Strengthening of livelihood	21
98.	Groundnut & K-1812	376	276	67.83	20	80	Strengthening of livelihood	21
99.	Groundnut & K-1812	375	305	67.83	30	40	Strengthening of livelihood	21
100.	Groundnut & K-1812	382	337	67.83	20	25	Strengthening of livelihood	21
101.	Groundnut & K-1812	362	292	67.83	40	30	Strengthening of livelihood	21
102.	Groundnut & K-1812	395	340	67.83	20	35	Strengthening of livelihood	21
103.	Groundnut & K-1812	370	290	67.83	40	40	Strengthening of livelihood	21
104.	Groundnut & K-1812	576	466	67.83	30	80	Strengthening of livelihood	31
105.	Groundnut & K-1812	609	539	67.83	30	40	Strengthening of livelihood	31
106.	Groundnut & K-1812	576	496	67.83	30	50	Strengthening of livelihood	31

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
107.	Groundnut & K-1812	585	505	67.83	30	50	Strengthening of livelihood	31
108.	Groundnut & K-1812	752	672	67.83	40	40	Strengthening of livelihood	42
109.	Groundnut & K-1812	555	465	67.83	30	60	Strengthening of livelihood	31
110.	Groundnut & K-1812	588	516	67.83	30	42	Strengthening of livelihood	31
111.	Groundnut & K-1812	571	491	67.83	30	50	Strengthening of livelihood	31
112.	Groundnut & K-1812	554	484	67.83	30	40	Strengthening of livelihood	31
113.	Groundnut & K-1812	570	490	67.83	30	50	Strengthening of livelihood	31
114.	Groundnut & K-1812	591	521	67.83	30	40	Strengthening of livelihood	31
115.	Groundnut & K-1812	563	483	67.83	30	50	Strengthening of livelihood	31
116.	Groundnut & K-1812	552	472	67.83	30	50	Strengthening of livelihood	31
117.	Groundnut & K-1812	763	683	67.83	40	40	Strengthening of livelihood	42
118.	Groundnut & K-1812	564	424	67.83	80	60	Strengthening of livelihood	31
119.	Groundnut & K-1812	807	725	67.83	40	42	Strengthening of livelihood	42
120.	Groundnut & K-1812	821	731	67.83	40	50	Strengthening of livelihood	42
121.	Groundnut & K-1812	684	604	67.83	40	40	Strengthening of livelihood	42
122.	Groundnut & K-1812	764	674	67.83	40	50	Strengthening of livelihood	42
123.	Groundnut & K-1812	800	720	67.83	40	40	Strengthening of livelihood	42
124.	Groundnut & K-1812	797	757	67.83	40	0	Strengthening of livelihood	42

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
125.	Groundnut & K-1812	603	523	67.83	30	50	Strengthening of livelihood	31
126.	Groundnut & K-1812	593	523	67.83	30	40	Strengthening of livelihood	31
127.	Groundnut & K-1812	603	518	67.83	30	55	Strengthening of livelihood	31
128.	Groundnut & K-1812	732	632	67.83	40	60	Strengthening of livelihood	42
129.	Groundnut & K-1812	390	290	67.83	60	40	Strengthening of livelihood	21
130.	Groundnut & K-1812	556	496	67.83	30	30	Strengthening of livelihood	31
131.	Groundnut & K-1812	380	260	67.83	80	40	Strengthening of livelihood	21
132.	Groundnut & K-1812	739	679	67.83	40	20	Strengthening of livelihood	42
133.	Groundnut & K-1812	784	704	67.83	40	40	Strengthening of livelihood	42
134.	Groundnut & K-1812	732	652	67.83	40	40	Strengthening of livelihood	42
135.	Groundnut & K-1812	768	708	67.83	40	20	Strengthening of livelihood	42
136.	Groundnut & K-1812	535	455	67.83	30	50	Strengthening of livelihood	31
137.	Groundnut & K-6	326	326	67.83	-	-	Strengthening of livelihood	21
138.	Groundnut & K-6	313	313	67.83	-	-	Strengthening of livelihood	21
139.	Groundnut & K-6	327	327	67.83	-	-	Strengthening of livelihood	21
140.	Groundnut & K-6	477	477	67.83	-	-	Strengthening of livelihood	31
141.	Groundnut & K-6	327	327	67.83	-	-	Strengthening of livelihood	21
142.	Groundnut & K-6	330	330	67.83	-	-	Strengthening of livelihood	21

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
143.	Groundnut & K-6	320	320	67.83	-	-	Strengthening of livelihood	21
144.	Groundnut & K-6	499	499	67.83	-	-	Strengthening of livelihood	31
145.	Groundnut & K-6	328	328	67.83	-	-	Strengthening of livelihood	21
146.	Groundnut & K-6	317	317	67.83	-	-	Strengthening of livelihood	21
147.	Groundnut & K-6	338	338	67.83	-	-	Strengthening of livelihood	21
148.	Groundnut & K-6	333	333	67.83	-	-	Strengthening of livelihood	21
149.	Groundnut & K-6	323	323	67.83	-	-	Strengthening of livelihood	21
150.	Groundnut & K-6	665	665	67.83	-	-	Strengthening of livelihood	42
151.	Groundnut & K-6	333	333	67.83	-	-	Strengthening of livelihood	21
152.	Groundnut & K-6	311	311	67.83	-	-	Strengthening of livelihood	21
153.	Groundnut & K-6	323	323	67.83	-	-	Strengthening of livelihood	21
154.	Groundnut & K-6	672	672	67.83	-	-	Strengthening of livelihood	42
155.	Groundnut & K-6	307	307	67.83	-	-	Strengthening of livelihood	21
156.	Groundnut & K-6	320	320	67.83	-	-	Strengthening of livelihood	21
157.	Groundnut & K-6	299	299	67.83	-	-	Strengthening of livelihood	21
158.	Groundnut & K-6	323	323	67.83	-	-	Strengthening of livelihood	21

D. Oil seeds Farmers' perception of the intervention demonstrated

Sl.	Technologies		Fai	rmers' Perceptio	on parameter	·s	
No.	demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.
1	Seed variety-K-1812, 100 kg/ ha, Line sowing (30x10 cm), RDF (25:50:20), weedicides (Pendiamethalin @ 1.2 li/ha) & ICM	High yielding, profuse bearing, Spanish variety Multiple resistant for drought, pests and diseases.	High-yielding, resistant to pests and diseases, and can produce stable yields even during droughts	Yes	N	Yes	
2	Seed variety-K-6, 100 kg/ ha, Line sowing (30x10 cm), RDF (25:50:20), Gypsum 300kg/ha, weedicides (Pendiamethalin @ 3 lit/ha) & ICM	Suitable for rainfed condition	Zypsum maintain the availability of nutrient	Yes	N	Yes	Ensure easy availability of gypsum

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
K-1812variety: Profuse bearing, & maturity 110-112 Days	High yielding variety Suitable for rainfed	High yielding variety Suitable for rainfed	Resist to pest and disease This variety is easier to uproot than others variety
K-6 variety:- Drought tolerant, and has light tan kernels & Gypsum provides calcium and sulfur, which are important for groundnut growth	Applying gypsum during the flowering stage can improve pod filling and increase the yield.	Gypsum can improve the quality of the seeds produced by groundnut plants.	More no of pods in gypsum field

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	10,11,12,17,18,20,21/06/2024 at KVK HQ	134
02	Field day	5,10.10.2024 & Kaira, Kulabira, Lutobertoli	103

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







Germination Stage

Growth Stage







Pod formation Stage

Field day

Field day on Groundnut var-K-1812

9. Farmers' training photographs







Training & technology product distribution

10. Quality Photographs of field visits/field days and technology demonstrated







Field visit & Field day on Groundnut

11. Details of budget utilization

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Groundnut	i) Critical input ii) TA/DA/POL etc. for monitoring iii) Extension Activities (Field Day) iv)Publication of literature	60	45	14,40,000.00	5,09,563.00	-
	Total	60	45	14,40,000.00	5,09,563.00	-

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's)	Existing yield	Yi	Yield gap (Kg/ha) w.r.to		Name of Variety +	Number of	Area	Yield o	btained	(q/ha)	Yield	~ -	nimized
		variety	(q/ha)	District	State	Potential			in ha					(%)	
		name		yield	yield (S)	yield (P)	demonstrated	farmers		Max.	Min.	Av.	D	S	P
				(D)											
01	Nicon	GA-10	3.42	369	132	(-)133	Birsa Niger-1 + ICM	54	29.8	4.03	5.23	4.67			
02	Niger	UA-10	3.66	372	135	(-)130	Birsa Niger-3 + ICM	99	52.2	4.10	5.13	4.70			

B. Economic parameters

Sl.	Variety demonstrated &		Farmer's l	Existing plot			Demonstra	tion plot	
No.	Technology demonstrated	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
01	Improved seed BN-1 (Seed 5kg/ha), Line sowing (30x10 cm), Fertilizer (20:20:20:15 NPKS) & pest management (Quinolphos 30%EC @750ml/ha	18900	29812	10912	1.57	22100	40708	18608	1.84
	Improved seed BN-3 (Seed 5kg/ha), Line sowing (30x10 cm), Fertilizer (20:20:20:15 NPKS) & pest management (Quinolphos 30%EC @750ml/ha	19100	31904	12804	1.67	22200	40970	18770	1.84

C. Socio-economic impact parameter

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Niger & Birsa Niger-1	180	171	87.17	5	4	Additional income for livelihood	14
2.	Niger & Birsa Niger-1	192	180	87.17	6	6	Additional income for livelihood	14
3.	Niger & Birsa Niger-1	172	158	87.17	4	10	Additional income for livelihood	14
4.	Niger & Birsa Niger-1	197	174	87.17	8	15	Additional income for livelihood	14
5.	Niger & Birsa Niger-1	403	388	87.17	5	10	Additional income for livelihood	28
6.	Niger & Birsa Niger-1	180	174	87.17	6	0	Additional income for livelihood	14
7.	Niger & Birsa Niger-1	373	348	87.17	10	15	Additional income for livelihood	28
8.	Niger & Birsa Niger-1	419	404	87.17	5	10	Additional income for livelihood	28
9.	Niger & Birsa Niger-1	363	353	87.17	5	5	Additional income for livelihood	28
10.	Niger & Birsa Niger-1	195	177	87.17	8	10	Additional income for livelihood	14
11.	Niger & Birsa Niger-1	188	170	87.17	6	12	Additional income for livelihood	14
12.	Niger & Birsa Niger-1	179	156	87.17	8	15	Additional income for livelihood	14
13.	Niger & Birsa Niger-1	189	174	87.17	5	10	Additional income for livelihood	14
14.	Niger & Birsa Niger-1	169	151	87.17	6	12	Additional income for livelihood	14
15.	Niger & Birsa Niger-1	192	173	87.17	4	15	Additional income for livelihood	14
16.	Niger & Birsa Niger-1	183	168	87.17	5	10	Additional income for livelihood	14
17.	Niger & Birsa Niger-1	188	174	87.17	4	10	Additional income for livelihood	14

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
18.	Niger & Birsa Niger-1	191	176	87.17	5	10	Additional income for livelihood	14
19.	Niger & Birsa Niger-1	192	174	87.17	6	12	Additional income for livelihood	14
20.	Niger & Birsa Niger-1	176	162	87.17	4	10	Additional income for livelihood	14
21.	Niger & Birsa Niger-1	93	72	87.17	6	15	Additional income for livelihood	7
22.	Niger & Birsa Niger-1	197	177	87.17	5	15	Additional income for livelihood	14
23.	Niger & Birsa Niger-1	90	68	87.17	10	12	Additional income for livelihood	7
24.	Niger & Birsa Niger-1	368	353	87.17	5	10	Additional income for livelihood	28
25.	Niger & Birsa Niger-1	314	309	87.17	5	0	Additional income for livelihood	21
26.	Niger & Birsa Niger-1	357	344	87.17	3	10	Additional income for livelihood	28
27.	Niger & Birsa Niger-1	397	380	87.17	5	12	Additional income for livelihood	28
28.	Niger & Birsa Niger-1	360	344	87.17	6	10	Additional income for livelihood	28
29.	Niger & Birsa Niger-1	384	359	87.17	10	15	Additional income for livelihood	28
30.	Niger & Birsa Niger-1	347	329	87.17	6	12	Additional income for livelihood	28
31.	Niger & Birsa Niger-1	352	337	87.17	5	10	Additional income for livelihood	28
32.	Niger & Birsa Niger-1	355	345	87.17	5	5	Additional income for livelihood	28
33.	Niger & Birsa Niger-1	371	356	87.17	5	10	Additional income for livelihood	28
34.	Niger & Birsa Niger-1	278	258	87.17	8	12	Additional income for livelihood	21
35.	Niger & Birsa Niger-1	349	333	87.17	6	10	Additional income for livelihood	28

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
36.	Niger & Birsa Niger-1	276	255	87.17	6	15	Additional income for livelihood	21
37.	Niger & Birsa Niger-1	373	352	87.17	6	15	Additional income for livelihood	28
38.	Niger & Birsa Niger-1	395	375	87.17	8	12	Additional income for livelihood	28
39.	Niger & Birsa Niger-1	395	379	87.17	6	10	Additional income for livelihood	28
40.	Niger & Birsa Niger-1	196	192	87.17	4	0	Additional income for livelihood	14
41.	Niger & Birsa Niger-1	189	173	87.17	6	10	Additional income for livelihood	14
42.	Niger & Birsa Niger-1	181	164	87.17	5	12	Additional income for livelihood	14
43.	Niger & Birsa Niger-1	161	155	87.17	6	0	Additional income for livelihood	14
44.	Niger & Birsa Niger-1	188	167	87.17	6	15	Additional income for livelihood	14
45.	Niger & Birsa Niger-1	208	190	87.17	6	12	Additional income for livelihood	14
46.	Niger & Birsa Niger-1	184	170	87.17	4	10	Additional income for livelihood	14
47.	Niger & Birsa Niger-1	188	173	87.17	5	10	Additional income for livelihood	14
48.	Niger & Birsa Niger-1	181	170	87.17	6	5	Additional income for livelihood	14
49.	Niger & Birsa Niger-1	201	189	87.17	6	6	Additional income for livelihood	14
50.	Niger & Birsa Niger-1	195	180	87.17	7	8	Additional income for livelihood	14
51.	Niger & Birsa Niger-1	201	185	87.17	6	10	Additional income for livelihood	14
52.	Niger & Birsa Niger-1	352	340	87.17	7	5	Additional income for livelihood	28
53.	Niger & Birsa Niger-1	371	360	87.17	7	4	Additional income for livelihood	28

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
54.	Niger & Birsa Niger-1	341	328	87.17	7	6	Additional income for livelihood	28
55.	Niger & Birsa Niger-3	184	169	87.17	5	10	Additional income for livelihood	14
56.	Niger & Birsa Niger-3	184	166	87.17	6	12	Additional income for livelihood	14
57.	Niger & Birsa Niger-3	199	184	87.17	5	10	Additional income for livelihood	14
58.	Niger & Birsa Niger-3	167	149	87.17	6	12	Additional income for livelihood	14
59.	Niger & Birsa Niger-3	199	182	87.17	7	10	Additional income for livelihood	14
60.	Niger & Birsa Niger-3	179	160	87.17	7	12	Additional income for livelihood	14
61.	Niger & Birsa Niger-3	187	169	87.17	8	10	Additional income for livelihood	14
62.	Niger & Birsa Niger-3	188	171	87.17	7	10	Additional income for livelihood	14
63.	Niger & Birsa Niger-3	185	172	87.17	8	5	Additional income for livelihood	14
64.	Niger & Birsa Niger-3	191	175	87.17	8	8	Additional income for livelihood	14
65.	Niger & Birsa Niger-3	187	171	87.17	10	6	Additional income for livelihood	14
66.	Niger & Birsa Niger-3	195	182	87.17	5	8	Additional income for livelihood	14
67.	Niger & Birsa Niger-3	177	167	87.17	6	4	Additional income for livelihood	14
68.	Niger & Birsa Niger-3	188	177	87.17	5	6	Additional income for livelihood	14
69.	Niger & Birsa Niger-3	176	160	87.17	6	10	Additional income for livelihood	14
70.	Niger & Birsa Niger-3	188	175	87.17	8	5	Additional income for livelihood	14
71.	Niger & Birsa Niger-3	195	179	87.17	10	6	Additional income for livelihood	14

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
72.	Niger & Birsa Niger-3	164	144	87.17	10	10	Additional income for livelihood	14
73.	Niger & Birsa Niger-3	205	188	87.17	5	12	Additional income for livelihood	14
74.	Niger & Birsa Niger-3	179	163	87.17	6	10	Additional income for livelihood	14
75.	Niger & Birsa Niger-3	167	154	87.17	8	5	Additional income for livelihood	14
76.	Niger & Birsa Niger-3	200	190	87.17	10	0	Additional income for livelihood	14
77.	Niger & Birsa Niger-3	180	162	87.17	10	8	Additional income for livelihood	14
78.	Niger & Birsa Niger-3	200	190	87.17	5	5	Additional income for livelihood	14
79.	Niger & Birsa Niger-3	197	185	87.17	6	6	Additional income for livelihood	14
80.	Niger & Birsa Niger-3	274	256	87.17	8	10	Additional income for livelihood	21
81.	Niger & Birsa Niger-3	191	169	87.17	10	12	Additional income for livelihood	14
82.	Niger & Birsa Niger-3	196	181	87.17	5	10	Additional income for livelihood	14
83.	Niger & Birsa Niger-3	188	176	87.17	6	6	Additional income for livelihood	14
84.	Niger & Birsa Niger-3	290	277	87.17	5	8	Additional income for livelihood	21
85.	Niger & Birsa Niger-3	193	182	87.17	6	5	Additional income for livelihood	14
86.	Niger & Birsa Niger-3	191	180	87.17	5	6	Additional income for livelihood	14
87.	Niger & Birsa Niger-3	328	312	87.17	6	10	Additional income for livelihood	28
88.	Niger & Birsa Niger-3	205	187	87.17	6	12	Additional income for livelihood	14
89.	Niger & Birsa Niger-3	357	342	87.17	5	10	Additional income for livelihood	28

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
90.	Niger & Birsa Niger-3	333	322	87.17	6	5	Additional income for livelihood	28
91.	Niger & Birsa Niger-3	405	389	87.17	6	10	Additional income for livelihood	28
92.	Niger & Birsa Niger-3	360	349	87.17	6	5	Additional income for livelihood	28
93.	Niger & Birsa Niger-3	400	388	87.17	6	6	Additional income for livelihood	28
94.	Niger & Birsa Niger-3	395	379	87.17	6	10	Additional income for livelihood	28
95.	Niger & Birsa Niger-3	373	362	87.17	5	6	Additional income for livelihood	28
96.	Niger & Birsa Niger-3	381	371	87.17	5	5	Additional income for livelihood	28
97.	Niger & Birsa Niger-3	392	380	87.17	6	6	Additional income for livelihood	28
98.	Niger & Birsa Niger-3	191	176	87.17	5	10	Additional income for livelihood	14
99.	Niger & Birsa Niger-3	189	177	87.17	6	6	Additional income for livelihood	14
100.	Niger & Birsa Niger-3	196	181	87.17	5	10	Additional income for livelihood	14
101.	Niger & Birsa Niger-3	191	178	87.17	8	5	Additional income for livelihood	14
102.	Niger & Birsa Niger-3	164	152	87.17	6	6	Additional income for livelihood	14
103.	Niger & Birsa Niger-3	411	396	87.17	7	8	Additional income for livelihood	28
104.	Niger & Birsa Niger-3	357	341	87.17	9	7	Additional income for livelihood	28
105.	Niger & Birsa Niger-3	333	318	87.17	10	5	Additional income for livelihood	28
106.	Niger & Birsa Niger-3	400	389	87.17	5	6	Additional income for livelihood	28
107.	Niger & Birsa Niger-3	360	350	87.17	6	4	Additional income for livelihood	28

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
108.	Nigar & Ding Nigar 2	397	381	87.17	6	10	Additional income	28
108.	Niger & Birsa Niger-3	397	361	87.17	0	10	for livelihood	20
109.	Niger & Birsa Niger-3	395	380	87.17	10	5	Additional income for livelihood	28
110.	Niger & Birsa Niger-3	365	354	87.17	5	6	Additional income for livelihood	28
111.	Niger & Birsa Niger-3	381	370	87.17	6	5	Additional income for livelihood	28
112.	Niger & Birsa Niger-3	392	381	87.17	5	6	Additional income for livelihood	28
113.	Niger & Birsa Niger-3	376	363	87.17	6	7	Additional income for livelihood	28
114.	Niger & Birsa Niger-3	381	365	87.17	6	10	Additional income for livelihood	28
115.	Niger & Birsa Niger-3	232	220	87.17	6	6	Additional income for livelihood	17
116.	Niger & Birsa Niger-3	115	103	87.17	5	7	Additional income for livelihood	8
117.	Niger & Birsa Niger-3	98	85	87.17	5	8	Additional income for livelihood	8
118.	Niger & Birsa Niger-3	246	236	87.17	5	5	Additional income for livelihood	17
119.	Niger & Birsa Niger-3	107	96	87.17	5	6	Additional income for livelihood	8
120.	Niger & Birsa Niger-3	101	92	87.17	5	4	Additional income for livelihood	8
121.	Niger & Birsa Niger-3	240	229	87.17	5	6	Additional income for livelihood	17
122.	Niger & Birsa Niger-3	135	123	87.17	7	5	Additional income for livelihood	11
123.	Niger & Birsa Niger-3	197	184	87.17	7	6	Additional income for livelihood	14
124.	Niger & Birsa Niger-3	148	135	87.17	8	5	Additional income for livelihood	11
125.	Niger & Birsa Niger-3	219	204	87.17	7	8	Additional income for livelihood	17

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
126.	Niger & Birsa Niger-3	143	127	87.17	8	8	Additional income for livelihood	11
127.	Niger & Birsa Niger-3	229	216	87.17	8	5	Additional income for livelihood	17
128.	Niger & Birsa Niger-3	113	99	87.17	8	6	Additional income for livelihood	8
129.	Niger & Birsa Niger-3	122	107	87.17	10	5	Additional income for livelihood	8
130.	Niger & Birsa Niger-3	116	104	87.17	5	7	Additional income for livelihood	8
131.	Niger & Birsa Niger-3	229	218	87.17	5	6	Additional income for livelihood	17
132.	Niger & Birsa Niger-3	205	194	87.17	6	5	Additional income for livelihood	18
133.	Niger & Birsa Niger-3	247	235	87.17	6	6	Additional income for livelihood	18
134.	Niger & Birsa Niger-3	223	213	87.17	6	4	Additional income for livelihood	18
135.	Niger & Birsa Niger-3	177	161	87.17	10	6	Additional income for livelihood	14
136.	Niger & Birsa Niger-3	250	240	87.17	5	5	Additional income for livelihood	18
137.	Niger & Birsa Niger-3	230	219	87.17	6	5	Additional income for livelihood	18
138.	Niger & Birsa Niger-3	250	237	87.17	8	5	Additional income for livelihood	18
139.	Niger & Birsa Niger-3	395	381	87.17	8	6	Additional income for livelihood	28
140.	Niger & Birsa Niger-3	228	215	87.17	7	6	Additional income for livelihood	18
141.	Niger & Birsa Niger-3	195	186	87.17	5	4	Additional income for livelihood	14
142.	Niger & Birsa Niger-3	245	234	87.17	6	5	Additional income for livelihood	18
143.	Niger & Birsa Niger-3	160	149	87.17	5	6	Additional income for livelihood	12

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
144.	Niger & Birsa Niger-3	146	136	87.17	6	4	Additional income for livelihood	11
145.	Niger & Birsa Niger-3	193	180	87.17	8	5	Additional income for livelihood	14
146.	Niger & Birsa Niger-3	192	179	87.17	7	6	Additional income for livelihood	14
147.	Niger & Birsa Niger-3	187	174	87.17	6	7	Additional income for livelihood	14
148.	Niger & Birsa Niger-3	336	326	87.17	5	5	Additional income for livelihood	28
149.	Niger & Birsa Niger-3	379	363	87.17	10	6	Additional income for livelihood	28
150.	Niger & Birsa Niger-3	187	172	87.17	10	5	Additional income for livelihood	14
151.	Niger & Birsa Niger-3	187	177	87.17	5	5	Additional income for livelihood	14
152.	Niger & Birsa Niger-3	360	348	87.17	6	6	Additional income for livelihood	28
153.	Niger & Birsa Niger-3	242	230	87.17	6	6	Additional income for livelihood	18

D. Oil seeds Farmers' perception of the intervention demonstrated

Sl.	Technologies		Farmers' Perception parameters							
No.	demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.			
1	ICM	Yes	Less water requiring crop	Yes	Crop yield affected by <i>Cuscuta</i> parasite	Yes	Required high yielding crop variety			
2	ICM	Yes	Less water requiring crop	Yes	Crop yield affected by <i>Cuscuta</i> parasite	Yes	Required high yielding crop variety			

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Moderately resistant to Alternaria blight,	Good	More no of capsules & branches is more than local variety	Overall good performance
Moderately resistant to Alternaria blight,	Good	More no of capsules & branches is more than local variety	Overall good performance

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	21,24,28/8/2024,3,5,7,8,9/09/2024 KVK (HQ)	148
02	Field day	15/11/2023	23

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







Germination Stage Growth Stage Flowering Stage







Capsules formation Stage

Capsule mature stage

9. Farmers' training photographs





10. Quality Photographs of field visits/field days and technology demonstrated.



Field visit



Field day

11. Details of budget utilization

Crop	Items	Area (ha)	Area (ha)	Budget	Budget	Balance
(Provide crop wise		allotted	achieved	Received	Utilization	(Rs.)
information)				(Rs.)	(Rs.)	
	i) Critical input			2,01,200.00	2,01,200.00	
Groundnut	ii) TA/DA/POL etc. for monitoring	100	80			_
	iii) Extension Activities (Field Day)	100				
	iv)Publication of literature					
	Total	100	80	2,01,200.00	2,01,200.00	-

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's)	Existing yield	Yie	eld gap (Kg w.r.to	g/ha)	Name of Variety +	Number of	Area	Yield (obtained	(q/ha)	Yield gap minimized		
		variety	(q/ha)	District	State	Potential	Technology	farmers					(%)		
		name		yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	P
01	Sesame	Kankey Safed	5.18	574	409	(-) 221	GT-6+ICM	91	40	6.30	10.03	7.79	280	110.54	(-)22.10

B. Economic parameters

Sl.	Variaty damonstrated &		Farmer's Exi	Demonstration plot					
No.	Variety demonstrated & Technology demonstrated	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
01	Improved seed GT-6 (Seed 5 kg/ha), Line sowing (30x15 cm), RDF (50:50:20), weed management (Pendimethalin 2.5 lit/ha)& Trizophos 40% EC@ 500ml/ha	26450	48003	21553	1.81	26950	72190	45240	2.67

C. Socio-economic impact parameter

SI. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Sesame & GT-6	401	9258	92.67	5	4	Strengthening of livelihood	22
2.	Sesame & GT-6	321	9258	92.67	4	5	Strengthening of livelihood	22

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
3.	Sesame & GT-6	363	9255	92.67	6	6	Strengthening of livelihood	22
4.	Sesame & GT-6	168	9254	92.67	8	5	Strengthening of livelihood	11
5.	Sesame & GT-6	365	9260	92.67	5	2	Strengthening of livelihood	22
6.	Sesame & GT-6	353	9263	92.67	4	0	Strengthening of livelihood	22
7.	Sesame & GT-6	331	9261	92.67	6	0	Strengthening of livelihood	22
8.	Sesame & GT-6	147	9254	92.67	8	5	Strengthening of livelihood	11
9.	Sesame & GT-6	156	9257	92.67	6	4	Strengthening of livelihood	11
10.	Sesame & GT-6	339	9261	92.67	6	0	Strengthening of livelihood	22
11.	Sesame & GT-6	305	9256	92.67	5	6	Strengthening of livelihood	22
12.	Sesame & GT-6	160	9256	92.67	5	6	Strengthening of livelihood	11
13.	Sesame & GT-6	146	9251	92.67	6	10	Strengthening of livelihood	11
14.	Sesame & GT-6	156	9255	92.67	7	5	Strengthening of livelihood	11
15.	Sesame & GT-6	147	9262	92.67	5	0	Strengthening of livelihood	11
16.	Sesame & GT-6	579	9263	92.67	4	0	Strengthening of livelihood	45
17.	Sesame & GT-6	165	9262	92.67	5	0	Strengthening of livelihood	11
18.	Sesame & GT-6	311	9259	92.67	3	5	Strengthening of livelihood	22
19.	Sesame & GT-6	165	9257	92.67	4	6	Strengthening of livelihood	11
20.	Sesame & GT-6	588	9260	92.67	2	5	Strengthening of livelihood	34

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
21.	Sesame & GT-6	336	9265	92.67	2	0	Strengthening of livelihood	22
22.	Sesame & GT-6	335	9265	92.67	2	0	Strengthening of livelihood	22
23.	Sesame & GT-6	171	9257	92.67	5	5	Strengthening of livelihood	11
24.	Sesame & GT-6	147	9258	92.67	5	4	Strengthening of livelihood	11
25.	Sesame & GT-6	340	9257	92.67	4	6	Strengthening of livelihood	22
26.	Sesame & GT-6	704	9264	92.67	3	0	Strengthening of livelihood	45
27.	Sesame & GT-6	320	9257	92.67	5	5	Strengthening of livelihood	22
28.	Sesame & GT-6	170	9262	92.67	5	0	Strengthening of livelihood	11
29.	Sesame & GT-6	164	9261	92.67	6	0	Strengthening of livelihood	11
30.	Sesame & GT-6	345	9258	92.67	4	5	Strengthening of livelihood	22
31.	Sesame & GT-6	175	9258	92.67	5	4	Strengthening of livelihood	11
32.	Sesame & GT-6	145	9260	92.67	4	3	Strengthening of livelihood	11
33.	Sesame & GT-6	317	9264	92.67	3	0	Strengthening of livelihood	22
34.	Sesame & GT-6	263	9261	92.67	6	0	Strengthening of livelihood	22
35.	Sesame & GT-6	680	9265	92.67	2	0	Strengthening of livelihood	45
36.	Sesame & GT-6	605	9257	92.67	5	5	Strengthening of livelihood	45
37.	Sesame & GT-6	323	9258	92.67	3	6	Strengthening of livelihood	22
38.	Sesame & GT-6	281	9259	92.67	4	4	Strengthening of livelihood	22

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
39.	Sesame & GT-6	289	9255	92.67	2	10	Strengthening of livelihood	22
40.	Sesame & GT-6	312	9262	92.67	3	2	Strengthening of livelihood	22
41.	Sesame & GT-6	295	9257	92.67	5	5	Strengthening of livelihood	22
42.	Sesame & GT-6	340	9260	92.67	3	4	Strengthening of livelihood	22
43.	Sesame & GT-6	353	9256	92.67	5	6	Strengthening of livelihood	22
44.	Sesame & GT-6	320	9263	92.67	4	0	Strengthening of livelihood	22
45.	Sesame & GT-6	320	9258	92.67	4	5	Strengthening of livelihood	22
46.	Sesame & GT-6	328	9261	92.67	6	0	Strengthening of livelihood	22
47.	Sesame & GT-6	327	9263	92.67	4	0	Strengthening of livelihood	22
48.	Sesame & GT-6	325	9257	92.67	5	5	Strengthening of livelihood	22
49.	Sesame & GT-6	291	9259	92.67	4	4	Strengthening of livelihood	22
50.	Sesame & GT-6	352	9258	92.67	6	3	Strengthening of livelihood	22
51.	Sesame & GT-6	165	9265	92.67	2	0	Strengthening of livelihood	11
52.	Sesame & GT-6	331	9262	92.67	5	0	Strengthening of livelihood	22
53.	Sesame & GT-6	292	9264	92.67	3	0	Strengthening of livelihood	22
54.	Sesame & GT-6	312	9258	92.67	4	5	Strengthening of livelihood	22
55.	Sesame & GT-6	324	9259	92.67	2	6	Strengthening of livelihood	22
56.	Sesame & GT-6	305	9258	92.67	5	4	Strengthening of livelihood	22

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
57.	Sesame & GT-6	309	9252	92.67	5	10	Strengthening of livelihood	22
58.	Sesame & GT-6	292	9262	92.67	3	2	Strengthening of livelihood	22
59.	Sesame & GT-6	312	9259	92.67	4	4	Strengthening of livelihood	22
60.	Sesame & GT-6	146	9257	92.67	5	5	Strengthening of livelihood	11
61.	Sesame & GT-6	145	9259	92.67	4	4	Strengthening of livelihood	11
62.	Sesame & GT-6	275	9259	92.67	5	3	Strengthening of livelihood	22
63.	Sesame & GT-6	456	9261	92.67	4	2	Strengthening of livelihood	34
64.	Sesame & GT-6	316	9257	92.67	5	5	Strengthening of livelihood	22
65.	Sesame & GT-6	265	9259	92.67	4	4	Strengthening of livelihood	22
66.	Sesame & GT-6	547	9255	92.67	6	6	Strengthening of livelihood	45
67.	Sesame & GT-6	557	9261	92.67	3	3	Strengthening of livelihood	45
68.	Sesame & GT-6	605	9259	92.67	5	3	Strengthening of livelihood	45
69.	Sesame & GT-6	504	9264	92.67	3	0	Strengthening of livelihood	45
70.	Sesame & GT-6	563	9263	92.67	4	0	Strengthening of livelihood	45
71.	Sesame & GT-6	289	9260	92.67	2	5	Strengthening of livelihood	22
72.	Sesame & GT-6	499	9258	92.67	5	4	Strengthening of livelihood	45
73.	Sesame & GT-6	264	9262	92.67	5	0	Strengthening of livelihood	22
74.	Sesame & GT-6	424	9264	92.67	3	Strength		34

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
75.	Sesame & GT-6	291	9257	92.67	5	5	Strengthening of livelihood	22
76.	Sesame & GT-6	289	9258	92.67	5	4	Strengthening of livelihood	22
77.	Sesame & GT-6	312	9260	92.67	4	3	Strengthening of livelihood	22
78.	Sesame & GT-6	295	9260	92.67	4	3	Strengthening of livelihood	22
79.	Sesame & GT-6	336	9263	92.67	4	0	Strengthening of livelihood	22
80.	Sesame & GT-6	352	9258	92.67	5	4	Strengthening of livelihood	22
81.	Sesame & GT-6	640	9262	92.67	5	0	Strengthening of livelihood	45
82.	Sesame & GT-6	611	9257	92.67	5	5	Strengthening of livelihood	45
83.	Sesame & GT-6	303	9259	92.67	4	4	Strengthening of livelihood	22
84.	Sesame & GT-6	327	9260	92.67	4	3	Strengthening of livelihood	22
85.	Sesame & GT-6	472	9251	92.67	6	10	Strengthening of livelihood	34
86.	Sesame & GT-6	291	9255	92.67	4	8	Strengthening of livelihood	22
87.	Sesame & GT-6	579	9257	92.67	4	6	Strengthening of livelihood	45
88.	Sesame & GT-6	743	9258	92.67	5	4	Strengthening of livelihood	56
89.	Sesame & GT-6	376	9259	92.67	3	5	Strengthening of livelihood	34
90.	Sesame & GT-6	253	9259	92.67	4	4	Strengthening of livelihood	22
91.	Sesame & GT-6	563	9257	92.67	4	6	Strengthening of livelihood	45

D. Oil seeds Farmers' perception of the intervention demonstrated

S	l. Technologies		Fai	mers' Perception	on parameter	rs	
N	o. demonstrated	Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement.
	Improved seed GT-6 (Seed 5 kg/ha), Line sowing (30x15 cm), RDF (50:50:20), weed management (Pendimethalin 2.5 lit/ha)& Trizophos 40% EC@ 500ml/ha	High yielding variety	High-yielding and white seeded	Yes	N	Yes	

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
GT-6 variety: White seeded, & maturity	High yielding variety Suitable	High yielding variety Suitable for	Due to white and big seeds, it gets
80-82 Days	for rainfed	rainfed	good rates in the market.

F. Extension activities under FLD conducted till dates:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
01	Training	26/06/2024, 1,7/7/2024 & KVK HQ	78
02	Field day	30/10/2024 & Sikwar	13

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







Germination Stage



Growth Stage





Pod formation Stage

Field day

9. Farmers' training photographs





Training & technology product distribution

10. Quality Photographs of field visits/field days and technology demonstrated

11. Details of budget utilization

Crop (Provide crop wise information)	Items	Area (ha) allotted	Area (ha) achieved	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Sesame	i) Critical input ii) TA/DA/POL etc. for monitoring iii) Extension Activities (Field Day) iv)Publication of literature	40	40	47,944.00	47,944.00	-
	Total	40	40	47,944.00	47,944.00	-

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

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

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

						N	lo. of I	Particip	ants				
	No. of Courses		Others	S		SC			ST		Gr	and To	otal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Wome	en	I.					ı				I.		
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	43	65	50	115	2	0	2	519	307	826	586	357	943
Fodder production													
Production of organic inputs													
Others													
Post harvest technology	1	2	0	2	0	0	0	24	4	28	26	4	30
Total	44	67	50	117	2	0	2	543	311	854	612	361	973
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	1	0	0	0	0	0	0	19	7	26	19	7	26
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	3	3	0	3	4	0	4	55	14	69	62	14	76
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization	1	0	0	0	0	0	0	14	11	25	14	11	25
Protective cultivation (Green Houses, Shade Net etc.)													
Others													
Total (a)	5	3	0	3	4	0	4	88	32	120	95	32	127
b) Fruits													
Layout and Management of Orchards													

		No. of Participants											
	No. of Courses		Others	s		SC			ST		Gr	and To	otal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1	0	0	0	0	0	0	15	10	25	15	10	25
Others													
Total (b)	1	0	0	0	0	0	0	15	10	25	15	10	25
c) Ornamental Plants													
Nursery Management													
Management of potted plants	1	1	0	1	0	0	0	19	1	20	20	1	21
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
Horticulture Training	1	0	0	0	0	0	0	19	6	25	19	6	25
Total (c)	2	1	0	1	0	0	0	38	7	45	39	7	46
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
Total (d)													
e) Tuber crops													
Production and Management technology Processing and value addition													
Others, if any													
Total (e)	1												
f) Spices													
Production and													
Management technology													
Processing and value addition													
Others, if any													
Total (f)			L				L		L			L	
g) Medicinal and Aromatic Plants													
Nursery management													

						N	lo. of I	Particip	ants				
	No. of Courses		Other	s		SC			ST		Gr	and To	tal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Production and													
management technology Post-harvest technology and													
value addition													
Others, if any													
Total (g)	0	0	0	0	0	0	0	0	0	0	0	0	0
GT (a-g)	16	8	0	8	8	0	8	282	98	380	298	98	396
III. Soil Health and Fertility Management													
Soil fertility management	1	0	0	0	0	0	0	9	21	30	9	21	30
Soil and Water Conservation													
Integrated Nutrient Management	2	1	0	1	1	0	1	18	17	35	20	17	37
Production and use of organic inputs													
Management of Problematic soils	1	2	0	2	0	0	0	19	3	22	21	3	24
Micro nutrient deficiency in crops	1	2	0	2	0	0	0	16	5	21	18	5	23
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
Liquid fertilizer	2	3	0	3	3	0	3	39	5	44	45	5	50
Natural Farming	3	20	3	23	1	0	1	73	15	88	94	18	112
Integrated Crop Management	5	4	4	8	0	0	0	58	26	84	62	30	92
Soil health management	1	4	0		0	0		10	5	15	14	5	19
Total	16	36	7	39	5	0	5	242	97	339	283	104	387
IV. Livestock Production and Management													
Dairy Management	1	0	0	0	0	0	0	13	11	24	13	11	24
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others													
Vermicompost production	1	0	0	0	1	0	1	13	21	34	14	21	35
Fodder conservation	1	0	1	1	0	0	0	8	15	23	8	16	24
Goatry	1	1	2	3	0	0	0	9	12	21	10	14	24
Vaccination	1	0	0	0	0	0	0	14	10	24	14	10	24
Total	5	1	3	4	1	0	1	57	69	126	59	72	131

						N	lo. of I	Particip	ants				
	No. of Courses		Others	s		SC			ST		Gr	and To	tal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	T
V. Home Science/Women													
empowerment													
Household food security by	4	0	,	,	0	0		0	65	65	0	67	(7
kitchen gardening and nutrition gardening	4	0	2	2	U	0	0	0	65	05	U	6/	67
Design and development of													
low/minimum cost diet													
Designing and development													
for high nutrient efficiency	2	0	0	0	0	0	0	0	45	45	0	45	45
diet Minimization of nutrient													
loss in processing	1	0	0	0	0	0	0	0	25	25	0	25	25
Gender mainstreaming													
through SHGs													
Storage loss minimization													
techniques													
Enterprise development													
Value addition	2	0	0	0	0	0	0	0	37	37	0	37	37
Income generation activities													
for empowerment of rural													
Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
Mushroom production	1	0	3	3	0	0	0	0	15	15	0	18	18
Nutritional garden	1	0	0	0	0	0	0	0	16	16	0	16	16
Nutritious diet	1	0	7		0	0		0	23	23	0	30	30
Nutri cereal	1	0	0		0	0		0	18	18	0	18	18
	13		12	5		0	0	0		244			
Total	13	0	12	3	0	U	U	U	244	244	0	256	256
VI. Agril. Engineering													
Installation and maintenance of micro													
irrigation systems													
Use of Plastics in farming													
practices													
Production of small tools and implements													
Repair and maintenance of													
farm machinery and	1	0	0	0	0	2	2	6	2	8	6	4	10
implements													
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
Farm mechanization	2	11	8	19	0	0	0	42	51	93	53	59	112
r arm meenamzauon		11	0	17	U	U	U	42	31	93	JJ	39	112

						N	lo. of I	Particip	ants				
	No. of Courses		Others	S		SC			ST		Gr	and To	otal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Conservation agriculture	1	0	0	0	21	0	21	1	0	1	22	0	22
Integrated Crop Management	1	1	1	2	0	0	0	24	7	31	25	8	33
Water conservation													
Rain Water harvesting	1	0	0	0	1	0	1	12	2	14	13	2	15
Total	6	12	9	21	22	2	24	85	62	147	119	73	192
VII. Plant Protection		12				_		0.5	02	117	117	70	172
Integrated Pest													
Management	2	5	3	8	0	0	0	5	18	23	10	21	31
Integrated Disease													
Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
Seed treatment	1	0	0	0	0	0	0	7	14	21	7	14	21
Lac Cultivation	1	0	0	0	0	0	0	16	0	16	16	0	16
Weedicide													
Total	4	5	3	8	0	0	0	28	32	60	33	35	68
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0

						N	No. of I	Particip	ants				
	No. of Courses	(Others	S		SC			ST		Gr	and To	otal
Thematic Area	Courses	M	F	T	M	F	T	M	F	T	M	F	Т
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
Total	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	104	129	84	202	38	2	40	1237	913	2150	1404	999	2403

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

						No	o. of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	S		SC			ST		Gr	and To	otal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(B) RURAL YOUTH													
Mushroom Production	5	0	9	9	0	4	4	6	88	94	6	101	107
Bee-keeping	3	11	5	16	1	0	1	28	20	48	40	25	65
Integrated farming	2	27	4	31	0	0	0	29	4	33	56	8	64
Seed production													
Production of organic inputs	1	0	0	0	0	0	0	19	6	25	19	6	25
Integrated Farming													
Planting material production													
Vermi-culture	2	10	2	12	0	0	0	29	4	33	39	6	45
Sericulture													
Protected cultivation of													
vegetable crops Commercial fruit													
production													
Repair and maintenance of	1	0	0		4	0		1.0	2	21	22	,	25
farm machinery and implements	1	0	0	0	4	0	4	18	3	21	22	3	25
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery	2	12	0	12	2	0	2	22	9	31	36	9	45
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets	1	7	1	8	0	0	0	5	3	8	12	4	16
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing					L						L		L

						No	o of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	S		SC			ST		Gr	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching	1	0	4	4	0	0	0	0	15	15	0	19	19
Rural Crafts													
Lac cultivation	1	0	0	0	0	0	0	2	24	26	2	24	26
Plant propagation technique	1	6	0	6	0	0	0	18	1	19	24	1	25
Soil testing	1	2	0	2	0	0	0	17	7	24	19	7	26
Goatry	2	3	6	9	0	0	0	18	23	41	21	29	50
Value addition	1	0	4	4	0	0	0	0	11	11	0	15	15
Micro irrigation system	2	3	3	6	7	19	26	2	4	6	12	26	38
Vegetable nursery management	1	0	0	0	0	0	0	14	3	17	14	3	17
Integrated Nutrient Management	2	51	7	58	3	0	3	10	2	12	64	9	73
Total	29	132	45	177	17	23	40	237	227	464	386	295	681

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

						No	o. of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	S		SC			ST				and tal
		M	F	T	M	F	T	M	F	T	M	F	T
(C) Extension Personnel													
Productivity enhancement													
in field crops													
Integrated Pest Management													
Integrated Nutrient													
management													
Rejuvenation of old													
orchards													
Protected cultivation													
technology													
Formation and Management													
of SHGs													
Group Dynamics and													
farmers organization													
Information networking													
among farmers													
Capacity building for ICT													
application													
Care and maintenance of													
farm machinery and													
implements													
WTO and IPR issues													
Management in farm													
animals													<u> </u>
Livestock feed and fodder													
production			ļ		ļ								<u> </u>
Household food security													
Women and Child care													

						No	. of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	5		SC			ST				and otal
		M	F	T	M	F	T	M	F	T	M	F	T
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Any other													
Soil Sampling	1	10	0	10	0	0	0	14	5	19	24	5	29
Accounting and Tally	1	2	0	2	0	0	0	2	0	2	4	0	4
TOTAL	2	12	0	12	0	0	0	16	5	21	28	5	33

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

							No. o	f Partic	ipants				
Thematic Area	No. of Courses		Other	S		SC			ST		Gr	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Womer	1												
I. Crop Production													
Weed Management	2	2	2	4	0	0	0	34	31	65	36	33	69
Resource Conservation Technologies	1	0	0	0	0	0	0	24	0	24	24	0	24
Cropping Systems													
Crop Diversification	1	0	0	0	0	0	0	2	21	23	2	21	23
Integrated Farming													
Water management	1	0	0	0	0	0	0	12	4	16	12	4	16
Seed production													
Nursery management													
Integrated Crop Management	39	72	35	107	8	9	17	473	574	1047	553	618	1171
Fodder production													
Production of organic inputs	1	0	0	0	0	0	0	0	25	25	0	25	25
Others, (cultivation of crops)													
Organic farming													
Natural farming													
Post harvest technology													
Total	45	74	37	111	8	9	17	545	655	1200	627	701	1328
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													

							No. o	f Partic	ipants				
Thematic Area	No. of Courses		Others	S		SC			ST		Gı	rand To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Production of low volume and high value crops	12	20	17	37	2	2	4	179	193	372	201	212	413
Off-season vegetables													
Nursery raising	1	0	0	0	0	0	0	19	11	30	19	11	30
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.) Others, if any (Cultivation of	1	0	0	0	0	0	0	15	18	33	15	18	33
Vegetable)													
Integrated Crop Management	5	29	5	34	0	1	1	125	127	252	154	133	287
Exotic vegetables													
b) Fruits													
Layout and Management of Orchards	1	1	0	1	0	1	1	14	5	19	15	6	21
Cultivation of Fruit	2	0	0	0	0	0	0	50	28	78	50	28	78
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	1	0	0	0	0	0	0	0	25	25	0	25	25
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants Propagation techniques of													
Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology	1	0	0	0	0	0	0	14	7	21	14	7	21

							No. o	f Partic	ipants				
Thematic Area	No. of Courses	(Others	S		SC			ST		Gı	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	0	0	0	0	0	0	12	13	25	12	13	25
Post-harvest technology and value addition													
Others, if any													
Total	25	50	22	72			6			855	480	453	933
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation Integrated Nutrient	3	1	0	1	0	0	0	78	35	113	79	35	114
Management	3	1	U	1	U	U	U	76	33	113	19	33	114
Production and use of organic inputs	2	1	0	1	0	0	0	51	12	63	52	12	64
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	3	4	2	6	0	0	0	193	29	222	197	31	228
Others, if any													
Organic farming													
Soil health management	11	46	11	57	1	0	1	198	99	297	245	110	355
Natural farming	8	48	33	81	3	5	8	121	110	231	172	148	320
Balance use of fertilzer	2	8	0	8	0	0	0	37	24	61	45	24	69
Liquid fertilizer	1	1	0	1	0	0	0	15	4	19	16	4	20
Total	30	109	46	155	4	5	9	693	313	1006	806	364	1170
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	6	5	11	0	0	0	20	17	37	26	22	48
Feed management	2	6	17	23	0	1	1	14	11	25	20	29	49
Production of quality animal products													
Others													
Vaccination	4	12	10	22	3	2	5	63	18	81	78	30	108
Fodder conservation	1	8	0	8	0	0	0	6	10	16	14	10	24

							No. o	f Partic	ipants				
Thematic Area	No. of Courses		Others	s		SC			ST		Gı	rand To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Goatry management	1	15	0	15	3	0	3	3	9	12	21	9	30
Fodder production	1	3	4	7	0	0	0	5	12	17	8	16	24
Prevention and treatment of ecto parasite	1	0	0	0	0	0	0	14	10	24	14	10	24
Total	12	50	36	86	6	3	9	125	87	212	181	126	307
V. Home Science/Women													
Empowerment Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs	2	0	0	0	0		0	0	41	41	0	41	41
Storage loss minimization techniques													
Enterprise development													
Value addition	1	0	0	0	0	0	0	14	2	16	14	2	16
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
Drudgery reduction	1	0	0	0	0	0	0	0	26	26	0	26	26
Processing of millets	1	0	0	0	0	0		0	18	18	0	18	18
Nutri cereal	1	0	0	0	0	0		0	16	16	0	16	16
Enterprenureship development	1	0	10	10	0	0		0	6	6	0	16	16
Total	7	0	10	10	0	0	0	14	109	123	14	119	133
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													

							No. o	f Partic	ipants				
Thematic Area	No. of Courses		Other	s		SC			ST		Gı	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Post-Harvest Technology	1	14	22	36	0	0	0	0	6	6	14	28	42
Others, if any													
Farm mechanization	1	0	0	0	0	0	0	15	0	15	15	0	15
Integrated Crop Management	1	0	5	5	0	0		31	29	60	31	34	65
Strengthening of FPO	1	0	0	0	0	0		27	1	28	27	1	28
Micro irrigation	2	1	3	4	0	0		25	7	32	26	10	36
Rain water harvesting	1	0	0	0	0	0		0	17	17	0	17	17
Recognition prior learning	1	0	14	14	0	0		0	26	26	0	40	40
Total	8	15	44	59	0	0	0	98	86	184	113	130	243
VII. Plant Protection													
Integrated Pest Management	5	7	12	19	0	0	0	62	29	91	69	41	110
Integrated Disease													
Management Bio-control of pests and													
diseases													
Production of bio control													
agents and bio pesticides													
Others, if any			0		0	0	0	2.5	22	60	40	22	72
Climate resilient technology Resource conservation	5	5	0	5	0	0	0	35	33	68	40	33	73
technology	1	1	0	1	0	0	0	18	5	23	19	5	24
Cropping Systems	1	0	0	0	0	0	0	5	18	23	5	18	23
Integrated Crop Management	2	6	0	6	0	0	0	31	7	38	37	7	44
Total	14	19	12	31	0	0	0	151	92	243	170	104	274
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like													
nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture									<u> </u>				

							No. o	f Partic	ipants				
Thematic Area	No. of Courses		Others	S		SC			ST		Gı	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any		1	-										
XI Agro-forestry													<u> </u>
Production technologies													
Nursery management													<u> </u>
Integrated Farming Systems													
XII. Others (Pl. Specify)													<u> </u>
TOTAL													
GRAND TOTAL	141	317	207	524	18	17	41	1626	1342	3823	2391	1997	4388

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

E) KUKAL YOUTH INCIUG				<u>s</u> P	rogra		_	rticipa					
Thematic Area	No. of Courses		Others	3		SC			ST		Gr	and To	otal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(B) RURAL YOUTH													
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of													
vegetable crops													<u> </u>
Commercial fruit production Repair and maintenance of													<u> </u>
farm machinery and													
implements													
Nursery Management of Horticulture crops													
Training and pruning of													
orchards													<u> </u>
Value addition													<u> </u>
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													

						No	. of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	}		SC			ST		Gr	and To	otal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Tailoring and Stitching													
Rural Crafts													
Others, if any													
Horticulture Training	1	1	7	8	0	0	0	13	30	43	14	37	51
TOTAL	1	1	7	8	0	0	0	13	30	43	14	37	51

F. Extension personnel including the sponsored training programmes (Off Campus)

•	N				<u> </u>	No	o. of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	5		SC			ST		Gr	and To	otal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(C) Extension Personnel													
Productivity enhancement													
in field crops													
Integrated Pest Management													
Integrated Nutrient													
management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation													
technology													
Formation and Management of SHGs													
Group Dynamics and													
farmers organization													
Information networking													
among farmers													
Capacity building for ICT													
application													
Care and maintenance of													
farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder													
production													
Household food security													
Women and Child care													
Low cost and nutrient													
efficient diet designing													
Production and use of													
organic inputs Gender mainstreaming													
through SHGs													
Crop intensification													
Others if any													
Nutritional garden	1	0	0	0	0	0	0	0	34	34	0	34	34
Resilient Agriculture													
TOTAL	1	4	2	6	0	0	0	20	15	35	24	17	41
IOIAL	2	4	2	6	0	0	0	20	49	69	24	51	75

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

							No. of	Partici	pants				
Thematic Area	No. of Courses		Other	s		SC			ST		Gı	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(A) Farmers & Farm Wom	en												
I. Crop Production													
Weed Management	2	2	2	4	0	0	0	34	31	65	36	33	69
Resource Conservation Technologies	1	0	0	0	0	0	0	24	0	24	24	0	24
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	1	0	0	0	0	0	0	12	4	16	12	4	16
Seed production													
Nursery management													
Integrated Crop Management	82	137	85	222	10	9	19	992	881	1873	1139	975	2114
Fodder production													
Production of organic inputs	1	0	0	0	0	0	0	0	25	25	0	25	25
Others,													
Post harvest technology	1	2	0	2	0	0	0	24	4	28	26	4	30
Diversified farming	1	0	0		0	0	0	2	21	23	2	21	23
Total	89	141	87	228	10	9	19	1088	966	2054	1239	1062	2301
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management	1	0	0	0	0	0	0	19	7	26	19	7	26
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops	15	23	17	40	6	2	8	234	207	441	263	226	489
Off-season vegetables													
Nursery raising	1	0	0	0	0	0	0	19	11	30	19	11	30
Export potential vegetables													
Grading and standardization	1	0	0	0	0	0	0	14	11	25	14	11	25
Protective cultivation (Green Houses, Shade Net etc.)	1	0	0	0	0	0	0	15	18	33	15	18	33
Others,													
Integrated Crop Management	5	29	5	34	0	1	1	125	127	252	154	133	287

							No. of	Partici	pants				
Thematic Area	No. of Courses		Other	s		SC			ST		Gı	rand To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Horticulture training	1	0	0	0	0	0	0	19	6	25	19	6	25
b) Fruits													
Layout and Management of Orchards	1	1	0	1	0	1	1	14	5	19	15	6	21
Cultivation of Fruit	2	0	0	0	0	0	0	50	28	78	50	28	78
Management of young plants/orchards Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques	2	0	0	0	0	0	0	15	35	50	15	35	50
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted	1	1	0	1	0	0	0	19	1	20	20	1	21
plants	1	1	0	1	0	0	U	19	1	20	20	1	21
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any	<u> </u>		<u> </u>	<u> </u>			<u>L</u>						
f) Spices													
Production and Management technology	1	0	0	0	0	0	0	14	7	21	14	7	21
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology	1	0	0	0	0	0	0	12	13	25	12	13	25
Post-harvest technology and value addition													

							No. of	Partici	pants				
Thematic Area	No. of Courses		Others	S		SC			ST		Gr	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
Total	33	54	22	76	6	4	10	569	476	1045	629	502	1131
III. Soil Health and Fertility Management													
Soil fertility management	1	0	0	0	0	0	0	9	21	30	9	21	30
Soil and Water Conservation													
Integrated Nutrient Management	5	2	0	2	1	0	1	96	52	148	99	52	151
Production and use of organic inputs	2	1	0	1	0	0	0	51	12	63	52	12	64
Management of Problematic soils	1	2	0	2	0	0	0	19	3	22	21	3	24
Micro nutrient deficiency in crops	1	2	0	2	0	0	0	16	5	21	18	5	23
Nutrient Use Efficiency													
Soil and Water Testing	3	4	2	6	0	0	0	193	29	222	197	31	228
Others, if any													
Soil health management	12	50	11	61	1	0	1	208	104	312	259	115	374
Natural farming	11	68	36	104	4	5	9	194	125	319	266	166	432
Liquid fertilizer	3	4	0	4	3	0	3	54	9	63	61	9	70
Balance use of fertilizer	2	8	0	8	0	0	0	37	24	61	45	24	69
Integrated Crop Management	5	4	4	8	0	0	0	58	26	84	62	30	92
Total	46	145	53	198	9	5	14	935	410	1345	1089	468	1557
IV. Livestock Production and Management													
Dairy Management	1	0	0	0	0	0	0	13	11	24	13	11	24
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	6	5	11	0	0	0	20	17	37	26	22	48
Feed management	2	6	17	23	0	1	1	14	11	25	20	29	49
Production of quality animal products													
Others													
Milk production													
Fodder conservation	2	8	1	9	0	0	0	14	25	39	22	26	48
Vaccination	5	12	10	22	3	2	5	77	28	105	92	40	132
Fodder production	1	3	4	7	0	0	0	5	12	17	8	16	24
Goatry	2	16	2	18	3	0	3	12	21	33	31	23	54
Prevention and treatment of ecto parasite	1	0	0	0	0	0	0	14	10	24	14	10	24
Vermicomposting	1	0	0	0	1	0	1	13	21	34	14	21	35
Total	17	51	39	90	7	3	10	182	156	338	240	198	438

							No. of	Partici	ipants				
Thematic Area	No. of Courses	,	Others	5		SC			ST		Gı	rand To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	4	0	2	2	0	0	0	0	65	65	0	67	67
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet	2	0	0	0	0	0	0	0	45	45	0	45	45
Minimization of nutrient loss in processing	1	0	0	0	0	0	0	0	25	25	0	25	25
Gender mainstreaming through SHGs	2	0	0	0	0	0	0	0	41	41	0	41	41
Storage loss minimization techniques													
Enterprise development													
Value addition	3	0	0	0	0	0	0	14	39	53	14	39	53
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies	1	0	0	0	0	0	0	0	26	26	0	26	26
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
Group dynamics													
Nutritional garden	1	0	0	0	0	0	0	0	16	16	0	16	16
Food processing													
Mushroom production	1	0	3	3	0	0	0	0	15	15	0	18	18
Nutritious diet	1	0	7	7	0	0	0	0	23	23	0	30	30
Nutri cereal	2	0	0	0	0	0	0	0	34	34	0	34	34
Processing of millet	1	0	0	0	0	0	0	0	18	18	0	18	18
Enterprenureship development	1	0	10	10	0	0	0	0	6	6	0	16	16
Total	20	0	22	22	0	0	0	14	353	367	14	375	389
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems Use of Plastics in farming													
practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													

							No. of	Partici	pants				
Thematic Area	No. of Courses		Others	S		SC			ST		Gı	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any													
Farm mechanization	3	11	8	19	0	0	0	57	51	108	68	59	127
Post harvest technology	1	14	22	36	0	0	0	0	6	6	14	28	42
Micro irrigation system	2	1	3	4	0	0	0	25	7	32	26	10	36
Repair & maintainance of water lifting device	1	0	0	0	0	2	2	6	2	8	6	4	10
Water harvesting													
Rain water harvesting	2	0	0	0	1	0	1	12	19	31	13	19	32
Conservation agriculture	1	0	0	0	21	0	21	1	0	1	22	0	22
Integrated Crop Management	2	1	6	7	0	0	0	55	36	91	56	42	98
Strengthening of FPO	1	0	0	0	0	0	0	27	1	28	27	1	28
Recognition prior learning	1	0	14	14	0	0	0	0	26	26	0	40	4(
Total	14	27	53	80	22	2	24	183	148	331	232	203	43
VII. Plant Protection													
Integrated Pest Management	7	12	15	27	0	0	0	67	47	114	79	62	14
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
Seed treatment	1	0	0	0	0	0	0	7	14	21	7	14	21
Integrated Crop Management	2	6	0	6	0	0	0	31	7	38	37	7	4 4
Climate resilient agriculture	5	5	0	5	0	0	0	35	33	68	40	33	73
Resource Conservation Technologies	1	1	0	1	0	0	0	18	5	23	19	5	24
Lac cultivation	1	0	0	0	0	0	0	16	0	16	16	0	16
Cropping Systems	1	0	0	0	0	0	0	5	18	23	5	18	23
Total	18	24	15	39	0	0	0	179	124	303	203	139	34
VIII. Fisheries													
Integrated fish farming					<u> </u>								
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond,													

							No. of	Partici	ipants				
Thematic Area	No. of Courses		Others	5		SC			ST		Gı	rand To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
11 1 O and it it issues				<u> </u>	<u> </u>	1		<u> </u>	<u> </u>	<u> </u>		<u> </u>	

							No. of	Partici	pants				
Thematic Area	No. of Courses		Other	s		SC			ST		Gr	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	237	442	291	733	54	23	77	3150	2633	5783	3646	2947	6593

ii. RURAL YOUTH (On and Off Campus)

	N					No	of Pa	rticipa	nts				
	No. of Courses		Others	5		SC			ST		Gr	and To	otal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
(B) RURAL YOUTH													
Mushroom Production	5	0	9	9	0	4	4	6	88	94	6	101	107
Bee-keeping	3	11	5	16	1	0	1	28	20	48	40	25	65
Integrated farming													
Seed production													
Production of organic inputs	1	0	0	0	0	0	0	19	6	25	19	6	25
Integrated Farming	2	27	4	31	0	0	0	29	4	33	56	8	64
Planting material production													
Vermi-culture	2	10	2	12	0	0	0	29	4	33	39	6	45
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	1	0	0	0	4	0	4	18	3	21	22	3	25
Nursery Management of Horticulture crops	1	0	0	0	0	0	0	14	3	17	14	3	17
Training and pruning of orchards													
Value addition	1	0	4	4	0	0	0	0	11	11	0	15	15
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery	2	12	0	12	2	0	2	22	9	31	36	9	45
Rabbit farming													
Poultry production													
Ornamental fisheries													

						No	o. of Pa	rticipa	nts				
	No. of Courses		Others	1		SC			ST		Gr	and To	tal
	Courses	M	F	T	M	F	T	M	F	T	M	F	T
Enterprise development													
Para vets	1	7	1	8	0	0	0	5	3	8	12	4	16
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching	1	0	4	4	0	0	0	0	15	15	0	19	19
Rural Crafts													
Lac cultivation	1	0	0	0	0	0	0	2	24	26	2	24	26
Fruit production													
Plant propagation technique	1	6	0	6	0	0	0	18	1	19	24	1	25
Soil testing	1	2	0	2	0	0	0	17	7	24	19	7	26
Goatry	2	3	6	9	0	0	0	18	23	41	21	29	50
Micro irrigation	2	3	3	6	7	19	26	2	4	6	12	26	38
Horticulture training	1	1	7	8	0	0	0	13	30	43	14	37	51
Integrated Nutrient Management	2	57	7	64	3	0	3	10	2	12	70	9	79
Total	30	139	52	191	17	23	40	250	257	507	406	332	738

iii. Extension Personnel (On and Off Campus)

Latension 1 ersonner (O		,				No	o of Pa	rticipa	nts				
Thematic Area	No. of Courses		Others	5		SC			ST				and tal
		M	F	T	M	F	T	M	F	T	M	F	T
(C) Extension Personnel													
Productivity enhancement in field crops													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													

						No	o. of Pa	rticipa	nts										
Thematic Area	No. of Courses		Others	1		SC			ST				and tal						
		M	F	T	M	F	T	M	F	T	M	F	T						
Capacity building for ICT application																			
Care and maintenance of farm machinery and implements																			
WTO and IPR issues																			
Management in farm animals																			
Livestock feed and fodder production																			
Household food security																			
Women and Child care																			
Low cost and nutrient efficient diet designing																			
Production and use of organic inputs																			
Gender mainstreaming through SHGs																			
Any other																			
Soil sampling	1	10	0	10	0	0	0	14	5	19	24	5	29						
Resilient agriculture	1	4	2	6	0	0	0	20	15	35	24	17	41						
Nutritional garden	1	0	0	0	0	0	0	0	34	34	0	34	34						
Natural Farming				0			0			0	0	0	0						
Accounting & Tally	1	2	0	2	0	0	0	2	0	2	4	0	4						
TOTAL	4	16	2	18	0	0	0	36	54	90	52	56	108						

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)		umb SC/	er of ST	par		er of pants)	Over all participants
					M F Total		M	F	Total		
		_									-

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Comp. /	Identif		D4:	No. o	of Partic	cipants	Self-e	mployed aft	er training	Namelan of
Crop / Enterpri se	ied Thrust Area	Training title*	Durati on (days)	M	F	Т	Type of units	Number of units	Number of persons employed	Number of persons employed else where
	Para vet	Paravet	15	12	4	16				
	INM	INM Certificate course	15	43	6	49				
	INM	INM Certificate course	15	27	3	30				
	Cuttin g & Tailor ing	Cutting & Tailoring	30	0	19	19				
Total			75	82	32	114				

^{*}Training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

		Thematic		Duration	Client	No. of			Sponsoring								
SI	Title	area	Month	(days)	PF/RY/EF	courses		Male			emale				otal		Agency
		arca		(uays)	11/K1/EF	courses	Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1.	Commercial Vegetable Cultivation	Production of high value crop	04-09-24	1	PF	1	3	4	14	0	0	4	3	4	18	25	FPO
2.	Improved Production Technology of Mustard	ICM	26-10-24	1	PF	1	0	0	21	0	0	4	0	0	25	25	DRMR
3.	Advance Production Technology of Mustard	ICM	06-11-24	1	PF	1	2	0	16	4	0	4	6	0	20	26	DRMR
4.	Advance Production Technology of Mustard	ICM	07-11-24	1	PF	1	1	0	7	0	0	9	1	0	16	17	DRMR
5.	Advance Production Technology of Mustard	ICM	08-11-24	1	PF	1	0	0	12	0	0	0	0	0	12	12	DRMR
6.	Advance Production Technology of Mustard	ICM	18-11-24	1	PF	1	1	0	2	0	0	9	1	0	11	12	DRMR
7.	Plant Propagation Technique	Plant Propagation	23-12-24	1	PF	1	0	0	15	0	0	10	0	0	25	25	BAIF
8.	Horticulture Training	Horticulture	26-12-24	1	PF	1	0	0	19	0	0	6	0	0	25	25	Vikas Bharti
		Total				8	7	4	106	4	0	46	11	4	152	167	
9.	Importamnce of drought in resilient agriculture	Climate resilient agriculture	01-07-24	1	PF	1	3	0	9	0	0	2	3	0	11	14	NICRA
10.	crop variety	Climate resilient agriculture	03-07-24	1	PF	1	0	0	5	0	0	4	0	0	9	9	NICRA
11.	Short duration crop variety and its importance in climate change	Climate resilient agriculture	04-07-24	1	PF	1	0	0	7	0	0	3	0	0	10	10	NICRA
12.	Promotion of DSR technology	RCT	04-07-24	1	PF	1	1	0	18	0	0	5	1	0	23	24	NICRA

		Th 4° .		Duration	Client PF/RY/EF	No. of			Sponsoring								
Sl	Title	Thematic area	Month	(days)		No. of courses	1	Male			emale				otal		Agency
		arca		(uays)	11/K1/EF	courses	Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
13.	Farm bunding and resilent agriculture	Climate resilient agriculture	06-07-24	1	PF	1	0	0	4	0	0	14	0	0	18	18	NICRA
14.	Intercropping	Climate resilient agriculture	10-07-24	1	PF	1	0	0	5	0	0	18	0	0	23	23	NICRA
15.	IPM in kharif pulses	IPM	09-09-24	1	PF	1	0	0	24	0	0	01	0	0	25	25	FPO
16.	IPM in kharif cereals	IPM	10-09-24	1	PF	1	2	0	12	0	0	15	2	0	27	29	FPO
17.	cultivation	Cultivation of high volume crop	05-09-24	1	PF	1	3	2	7	1	2	3	4	4	10	18	FPO
18.	cultivation	Cultivation of high volume crop	20-09-24	1	PF	1	0	0	22	0	0	4	0	0	26	26	FPO
19.	Commercial vegetable cultivation	Cultivation of high volume crop	26-09-24	1	PF	1	0	0	17	0	0	10	0	0	27	27	FPO
20.	Commercial mango cultivation	Cultivation of fruit	25-09-24	1	PF	1	0	0	6	0	0	10	0	0	16	16	FPO
21.	Potato cultivation	Production of high volume crop	28/10/24	1	PF	1	2	0	15	3	0	34	5	0	49	54	Mahashakti mahila vikas samiti
22.	Potato Cultivation	Production of high value crop	26-10-24	1	PF	1	0	0	21	0	0	59	0	0	80	80	Mahashakti mahila vikas samiti
23.	IPM in kharif oilseed	IPM	17-10-24	1	PF	1	0	0	9	0	0	3	0	0	12	12	NICRA
24.	Integrated crop management	ICM	03-11-24	1	PF	1	4	0	21	0	0	5	4	0	26	30	NICRA
25.	Integrated crop management	ICM	19-11-24	1	PF	1	2	0	10	0	0	2	2	0	12	14	FPO
26.	Commercial Vegetable Cultivation	Cultivation of high volume crop	06-12-24	1	PF	1	0	0	16	0	0	16	0	0	32	32	FPO
27.	Commercial Vegetable Cultivation	Cultivation of high volume crop	12-12-24	1	PF	1	0	0	21	0	0	23	0	0	44	44	FPO
28.	Commercial Vegetable Cultivation	Cultivation of high volume crop	16-12-24	1	PF	1	13	0	0	13	0	0	26	0	0	26	FPO

		Thematic		Duration	Client	No. of				N	o. of I	Particip	ants				Sponsoring
SI	Title	area	Month	(days)	PF/RY/EF	courses	I	Male		F	emale				otal		Agency
		arta		(uays)	FF/K1/EF	courses	Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
20	Commercial	Cultivation of	10 10 04		DE		0		12	0	_	27			50	50	EDO
29.	Vegetable Cultivation	high volume	19-12-24	1	PF	1	0	0	13	0	0	37	0	0	50	50	FPO
	Commercial	crop Cultivation of															
30.		high volume	21-12-24	1	PF	1	0	0	30	0	0	2	0	0	32	32	FPO
50.	Cultivation	crop	21-12-24	1	11	1	0	U	30		U	2	U	0	32	32	110
	Commercial	Cultivation of															
31.	Vegetable	high volume	04-12-24	1	PF	1	0	0	10	0	0	1	0	0	11	11	FPO
	Cultivation	crop															
	Commercial	Cultivation of															
32.		high volume	17-12-24	1	PF	1	2	0	7	0	0	4	2	0	11	13	FPO
	Cultivation	crop															
	Resilient crop	Climate					_				_			_			
33.	production	resilient	14-12-24	1	PF	1	2	0	10	0	0	10	2	0	20	22	NICRA
	technology	agriculture									_						
		Total				25	34	2	319	17	2	285	51	4	604	659	
	Commecial Goat		28/08/24- 04/09/24														
34.	Rearing	Goatry	&	1	RY	1	1	0	14	3	0	12	4	0	26	30	ARYA
	rearing		15/09/24- 30/09/24														
	Horticulture		26-										_				Pragati
35.	Training	Horticulture	30/11/24	1	RY	1	1	0	13	7	0	30	8	0	43	51	Educational Academy
				Total		2	2	0	27	10	0	42	12	0	69	81	
			Grand	d total		35	43	6	452	31	2	373	74	8	825	907	

		No. of Participants											
	No. of		ener			SC	110.		ST		Grand Total		
Area of training	Courses	М	F	T	М	F	Т	M	F	Т	M	F	Т
Crop production and management		141	1	-	141	1	1	171	1	1	171	I.	1
Increasing production and productivity of crops	16	16	16	16	4	0	4	234	264	498	254	269	523
Commercial production of vegetables	13	13	13	13	6	2	8	193	197	390	222	216	438
Production and value addition	13	13	13	13			0	173	177	0	0	0	0
Fruit Plants	2	2	2	2	0	0	0	25	10	35	25	10	35
Ornamental plants	1	1	1	1	0	0	0	15	10	25	15	10	25
Spices crops	1	1	1	1		0	0	13	10	0	0	0	0
Soil health and fertility management	1	1	1	1	0	0	0	39	1	40	39	1	40
Production of Inputs at site			_		Ŭ	Ů	0	37	-	0	0	0	0
Methods of protective cultivation							0			0	0	0	0
Other							0			0	0	0	0
Climate resilient agriculture	5	5	5	5	0	0	0	35	33	68	40	33	73
Resource conservation technology	1	1	1	1	0	0	0	18	5	23	19	5	24
Integrated Pest management	3	3	3	3	0	0	0	45	19	64	47	19	66
Total	42	42	42	42	10	2	12	604	539	1143	661	563	1224
Post harvest technology and value addition							0			0	0	0	0
Processing and value addition	1	1	1	1	0	0	0	24	4	28	26	4	30
Other							0			0	0	0	0
Total	1	1	1	1	0	0	0	24	4	28	26	4	30
Farm machinery							0			0	0	0	0
Farm machinery, tools and implements							0			0	0	0	0
Other							0			0	0	0	0
Total							0			0	0	0	0
Livestock and fisheries							0			0	0	0	0
Livestock production and management	1	1	1	1	3	0	3	3	9	12	21	9	30
Animal Nutrition Management							0			0	0	0	0
Animal Disease Management							0			0	0	0	0
Fisheries Nutrition							0			0	0	0	0
Fisheries Management							0			0	0	0	0
Other							0			0	0	0	0
Total	1	1	1	1	3	0	3	3	9	12	21	9	30
Home Science							0			0	0	0	0
Household nutritional security							0			0	0	0	0
Economic empowerment of women							0			0	0	0	0
Drudgery reduction of women							0			0	0	0	0
Other							0			0	0	0	0
Total							0			0	0	0	0
Agricultural Extension							0			0	0	0	0
Capacity Building and Group Dynamics	1	1	1	1	0	0	0	0	26	26	0	40	40
Other							0			0	0	0	0
Total	1	1	1	1	0	0	0	0	26	26	0	40	40
Grand Total	45	45	45	45	13	2	15	631	578	1209	708	616	1324

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2024

Total no				No. of participants									Fund
of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	S	С	S	Т	O	ther		Total		utilized for the training (Rs.)
				M	F	M	F	M	F	M	F	T	

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

Total no			Durat			Fund							
of training	Name of	Title of the	ion	S	C	S	ST	Ot	her		To	tal	utilized
organised	organised QP/Job role	training	(in hrs.)	M	F	M	F	M	F	M	F	T	for the training (Rs.)
01	Mushroom Grower (Entrepreneur)	RPL training programme of Mushroom Grower	21	0	0	0	26	0	14	0	40	40	84000.00

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES (Including activities of FLD programmes)

N				Farmers	5			Ext	ension (Official	s			Total		
Nature of Extension Activity	No. of activities	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized	3	3387	3565	6952	125	5246	10	2	12	2	7	3397	3567	6964	127	5253
Kisan Mela participated	3	272	409	681	23	566	11	4	15	2	15	283	413	696	25	581
Field Day	29	420	157	577	0	467	14	0	14	-	12	434	157	591	0	479
Kisan Ghosthi	15	500	547	977	1	892	7	2	9	0	6	207	549	1056	1	898
Exhibition organized	1	71	50	121	0	129	7	2	9			78	52	130	0	129
Participation in exhibition																
Film Show	14	271	171	442	14	293						271	171	442	14	293
Method Demonstrations	4	35	17	52	0	52	2	0	2			37	17	54	0	52
Farmers Seminar																
Workshop	3	81	33	114	1	90	6	3	9	0	6	87	36	123	1	96
Group discussion																
Lectures delivered as resource persons	6	177	52	229	0	158	4	0	4	0	4	181	52	233	0	162
Advisory Services	48	331	74	405	2	371	6	0	6			337	74	411	2	377
Scientific visit to farmers field	169	528	73	601	2	534	4	1	5			532	74	606	2	537
Farmers visit to KVK	109	959	481	1440	0	1191	20	5	25	0	23	979	486	1465	0	1214
Diagnostic visits																
Exposure visits	17	445	243	688	9	481	13	3	16	0	12	458	246	704	9	493
Ex-trainees Sammelan	3	31	49	80	1	78	2	0	2	0	2	33	49	82	1	80
Soil health Camp	5	186	122	308	1	268	5	1	6	0	5	191	123	314	1	273
Animal Health Camp	26	142	39	181	1	156	0	0	0	0	0	142	39	181	4	156
Agri mobile clinic																
Soil test																
campaigns Farm Science Club Conveners meet																
Self Help Group Conveners	9	0	149	149	0	125	0	13	13	0	10	0	162	162	0	135
meetings Mahila Mandals Conveners meetings																
Special day celebration Sankalp Se																
Siddhi Swatchta Hi	2	1232	741	1973	24	1783	4	3	7	0	5	1236	744	1980	24	1788
Sewa		1434	/-71	1713	4٦	1/03	_	3	,	J	<i>J</i>	1230	/	1700	4٦	1 / 00

Nature of		Farmers				Extension Officials				Total						
Extension Activity	No. of activities	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Celebration of important date																
Others																
Helpline																
Clinical Service	169	132	38	170	2	134	0	0	0	0	0	132	38	170	2	134
FAP conducted	2	20	35	55	0	55	0	0	0	0	0	20	35	55	0	55
Group meeting	7	83	36	119	0	108	2	0	2	0	2	85	36	121	0	110
Natural farming awareness	22	549	576	1125	5	982	8	2	10	0	7	557	578	1135	5	989
Agriculture knowlwdge in rural school	3	97	52	149	7	116	2	1	3	0	2	99	53	152	7	118
PM live telecast	5	286	280	566	0	480	15	2	17	0	13	301	282	583	0	493
Input distribution under TSP	16	377	239	616	24	578	2	0	2	0	2	379	239	618	24	580
FPO meeting	15	166	121	287	8	229	4	1	5	0	3	170	122	292	8	232
RAWE programme	1	0	1	1	0	0			0			0	1	1	0	0
Drone awareness programme	4	62	30	92	0	92	1	0	1	0	1	63	30	93	0	93
Farmers scientist interaction	1	24	10	34	0	25	2	0	2	0	2	26	10	36	0	27
Prize distribution in kisan mela	1	91	116	207	22	155	3	0	3	0	3	94	116	210	22	158
Seminar	1	107	40	147	0	147	3	0	3	0	3	110	40	150	0	150
CSISA Survey	40	230	170	400	0	300	0	0	0	0	0	230	170	400	0	300
Swachchta programme	9	145	104	249	0	193	2	1	3	0	3	147	105	252	0	196
FPO Workshop	1	21	9	30	0	8	2	1	3	0	3	23	10	33	0	11
Live telecast of president's programme at NISA	1	0	60	60	0	60	2	0	2	0	2	2	60	62	0	62
Workshop on PM Kusum	2	20	59	79	30	36	3	0	3	0	3	23	59	82	30	39
Live telecast of Krishi choupal	1	30	113	143	0	123	2	0	2	0	2	32	113	145	0	125
Input distribution under SCSP	1	12	45	57	57	0	0	0	0	0	0	12	45	57	57	0

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	53
Radio talks	01
TV talks	01
Popular articles published	
Extension Literature Published	06
Electronic media	
Any other	
Extension Literature distributed	47

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Kisan Gosthi	03	105	IFS
Field day	02	253	Mustard, Lentil
Exhibition	01	125	Resilient Agricultural Technology)

D. Celebration of important days in KVKs

Celebration of Important	No. of		Farmers			xten		Total			
Days	activities	M	F	Total	M	F	Total	M	F	Total	
Republic day (26 th Jan.)	1	92	95	187	10	3	13	102	98	200	
International Women's Day (8th	1										
Mar.)	1	0	48	48	0	2	02	0	50	50	
Ambedkar Jayanti (14th Apr.)											
World's Veterinary Day											
(Last week of April)											
World 'Milk Day											
International Yoga Day											
(21st Jun.)	1	21	33	54	3	2	05	24	35	59	
Independence Day (15th Aug.)	1	61	23	84	8	2	10	69	25	94	
Parthenium Awareness Week	1										
(16-22 Aug)	1	90	100	190	2	0	02	92	100	192	
Hindi Diwas (14th Sep.)											
Gandhi Jayanti (2nd Oct.)											
Mahila Kisan Diwas (15th Oct.)	1	5	79	84	1	2	03	6	81	87	
World Food Day (16th Oct.)											
Vigilance Awareness Week											
National Unity Day (31st Oct.)											
World Science Day (10th Nov.)											
National Education Day											
(11th Nov.)											
Fisheries day (21 Nov)											
National Constitution Day											
(26th Nov.)											
World Soil Day (5th Dec.)	1	37	17	54	2	1	03	39	18	57	
Kisan Diwas (23 rd Dec.)	1	31	14	45	1	0	01	32	14	46	
Any other day											
Republic day Jhanki	1	3945	3048	6993	5	2	07	3950	3050	7000	
Viksit Bharat Sankalp Yatra	44	8176	11140	19316	18	3	21	8194	11143	19337	
National science day (28 feb)	1	31	25	56	1	1	02	32	26	58	
National Bee day (20th May)	1	-1	28	27	1	1	02	0	29	29	
Technology week	1	222	260	482	8	3	11	230	263	493	

Celebration of Important	No. of		Farmers			xtens Offici		Total			
Days	activities	M	F	Total	M	F	Total	M	F	Total	
World environment day											
(5 June)	1	35	3	38	3	2	05	38	5	43	
ICAR foundation day											
(16th July)	1	41	55	96	2	2	04	43	57	100	
Hindi Pakhwada (1-14 Sep)	1	265	343	608	1	1	02	266	344	610	
Poshan Mah (1-30 Sep)	1	71	559	630	3	6	09	74	565	639	
World honey day (20 Aug)	1	10	25	35	0	0	0	10	25	35	
Total	61	13132	15895	29027	69	33	0	13201	15928	29129	

E. Interaction/Live telecast programme of Hon'ble PM/Hon'ble or Argil Minister

	Date of	Name of	Interaction of		Part	icipants	
Sl.	event	Event/Programme	Hon'ble PM/AM	Farmers	Staffs	VIP/Others	Total
1	18/06/24	Live screening of release of 17th Instalment of PM KISAN	Hon'ble PM	135	06	02	143
2	11/08/24	Live telecast of release of 109 ICAR varieties	Hon'ble PM	54	05	01	60
3	20/09/24	Live telecast of Hon'ble President's programme at NISA, Namkum, Ranchi	Hon'ble President	62	07	02	71
4	05/10/24	Live screening of release of 18 th Instalment of PM KISAN	Hon'ble PM	36	08	02	46

3.5 A. PRODUCTION AND SUPPLY OF TECHNOLOGICAL PRODUCTS

A. Seed production at seed village

Сгор	Variety	Quantity of	Value	No. of farmers involved in	Number of farmers to whom seed provided				
Стор	variety	seed (q)	(Rs)	village seed production	SC	ST	Other	Total	
Niger	BN-3	3.0	21000.00	91		89	02	91	
Mustard	BBM-1	12.47	87304.00	100	-	91	09	100	
Redgram	Rajeev Lochan	1.5	18000.00	27	-	27	-	27	
Ragi	GPU-28	2.60	10400.00	82	-	82	-	82	
Total		19.57	136704.00	300		289	11	300	

B. Seed production at KVK farm

Type of seed	Variety	Quantity of seed	Value	Number of farmers to whom seed provided						
produced	variety	(q)	(Rs)	SC	ST	Other	Total			
Cereals										
Paddy	MTU-1010	92.00	184000.00							
Paddy	Swarna Shreya	6.30	12600.00							
Paddy	Black Rice	1.90	3800.00							
Ragi	BM-03	8.60	34400.00							
Total		108.8	234800.00							
Oil seed										
Niger	Birsa Niger-3	1.80	21600.00							
Sesame	RT-351	0.77	9240.00							
Mustard	PM-30	0.94	4700.00							
Total		3.51	35540.00							
Pulses										
Redgram	Birsa arhar-2	0.50	2500.00							
Total		0.50	2500.00							
Green Manure										
Commercial crop										
Vegetables										
Yam	Gajendra	0.20	1000.00							
Total		0.20	1000.00							
Fodder										
Spices										
Fruits										
Forest crop										
Ornamental/flower										
Medicinal										
Others										
Dhaincha	Dhaincha	0.71	3550.00							
Total		0.71	3550.00							
Grand Total		113.72	277390.00							

C. Production of planting materials by the KVKs

Сгор	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting materia provided				
				SC	ST	Other	Total	
Vegetable seedlings								
Cauliflower	Hybrid Lucky	525	131.25					
Cabbage	Golden Acre	450	112.50					
Tomato	Super Sonia	1100	275.00					
	Swarna Prakash	1250	312.50					
Brinjal	Swarna Shyamali	4550	1137.50	-	13	0	13	
	RCBR-22	5100	1275.00					
Chilli								
Onion								
Others								
Total		12975	3243.00	-	13	0	13	
Commercial seedling	S							
Mulberry								
Sugarcane,								
Sweet Potato								
Turmeric								
Zinger								
Others								
Fruits seedlings								
Mango	Langra	-	-	_			57	
	Langra	1000	50000.00					
Papaya	Ranchi Papaya	2500	12500.00	_	100	-	100	
Pear	Netarhat selection	1500	22500.00	_	17	-	17	
Litchi	Shahi	-	-				1500	
Total		5000	85000.00				1674	
Ornamental plants								
Annual								
chrysanthemum								
Tuberose								
Others								
Medicinal and								
Aromatic								
Lemongrass	Krishna	5000	5000.00					
Total		5000	5000.00					
Plantation								
Tuber Elephant yam	s							
Spices								
Onion	Nasik Red	4200	1050.00	-	-	-	-	
Chilli	Swarna Apurva	4550	1137.50	-	13	0	13	
Total		8750	2187.50					
Flower								
Marigold	Pusa Narangi	450	112.50					
Total		450	112.50					
Grand Total		32175	95543.75					

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No.	of Fari	ners ben	efitted
	(8)	` /	SC	ST	Other	
Bio-fertilizers						
Bio-food (Spirulina etc)						
Bio-pesticide						
Jeevamruth	200 lit	3000.00				
Bio-agents (Trichocard etc)						
Vermicompost	10900 kg	130800.00				
Goat Gold	1000 kg	10000.00				
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture						
Mineral Mixture, Coir pith compost, Cow dung, Cow urine						
Total	200 lit 11900 kg	143800.00				

G. Production of livestock & fisheries materials

Particulars of Live	Name of the	Number	Value (Rs.)	.) No. of Farmers benefitted				
	breed							
				SC	ST	Other	Total	
Dairy animals								
Cows								
Buffaloes								
Calves								
Others (Pl. specify)								
Small ruminants								
Sheep								
Goat								
Kid	Black Bengal	07	14000.00					
Telu	Black Bengal	04 no	32000.00					
Goat	Black Bengai	64 kg	32000.00					
Other, please		UINS	1					
specify								
Poultry								
Journa	Sonali,		16896.00					
Chicks	Kadaknath	612	10090.00					
Broilers								
Layers								
Duals (broiler and								
layer)								
Japanese Quail								
Turkey								
Emu								
Ducks								
Others (Pl. specify)								
Piggery								
Piglet	Jharsook	36	114600.00					
Pig (Male)	Jharsook	100 kg	15000.00					
Hog		1 2 2 2 2 2						
Others (Pl. specify)								
Rabbitry								
Fisheries			1		1			
Indian carp								
Exotic carp								
Mixed carp		1			1			
Fish fingerlings		1						
Spawn								
Others (Pl. specify)			1					
Grand Total		1	192496.00					
Granu Iviai		1	172770.00	l	I	1		

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.

b. Details of samples analyzed so far

Total number of soil samples analyzed till now							
Through mini soil testing kit/labs	Through mini soil testing kit/labs Through soil testing laboratory Total						
1943 1943							

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	1943	234	1821	392030.00
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

d. Details of World Soil Day Celebration

Sl No.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1	1		57	01	Shri Mahendra	57
					Bhagat, Joint	
					Secretary Vikas	
					Bharti Bishunpur	

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	07	02	32175	423	12

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

1. Name of Seed Hub Centre: NA

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

2. Quality Seed Production of Pulses

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

3. Financial Progress

Fund received	Expenditure	e (Rs. in lakhs)	Unspent		
	Infrastructure	Revolving fund	balance (Rs. in lakhs)	Remarks	
2016-17					
2017-18					
2018-19					
2019					
2020					
2021					
2022					
2024					
2024					

4. Infrastructure Development

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

3.6 HUMAN RESOUSES DEVELOPMENT, PUBLICATIONS, AWARDS & RECOGNITION

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

•	Item	Details of publication bibliographic form	NASS R	NASS Rating	
S.No	Item	(Authors name, year, title, volume, issue, page no, journal name)	>6	<6	
1	Research	Author-Sanjay Kumar et.al.			
	paper	Year- 2024			
		Gap analysis in Mustard crop through Frontline Demonstration			
		for resilience and sustainable livelihood in Gumla District of			
		Jharkhand			
		Compendium			
		Society of dryland agriculture			
2		R K Yogi, AK Sharma, Sanjay Kumar, AB Tiwari, Neha		√	
		Ranjan, Anjani Kumari & PK Rai, January 2024, <i>Productivity</i>			
		Trends, of Rapseed-Mustard in Eastern Plateau and Hill			
		Region, Volume 1,88-95, Journal of Oil seeds Brassica			
3		R K Yogi, AK Sharma, Sanjay Kumar, AB Tiwari, Neha	√	-	
		Ranjan, Anjani Kumari & PK Rai, 2023, Capital formation			
		through technology Integrated Approaches for Tribal			
		Communities: A Pragmatic Analysis, Volume 40, 15, Journal of			
		Oilseeds Research			

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			
Books published	Tiwari, N. and Singh, V. Bhojan, Poshan Evam Mulyasanvardhan (2024), Akinik Publication, Pg. No.99	5	
Book chapter published	Promising Climate Resilient Technologies Annual Report TDC-NICRA	200 500	100 85
Popular articles published	1.Tiwari, N and Kumar, S., Poshan Vatika se payen Poshak Suraksh (2024), Purvi Kiran,Vol.2 Pg no18-23		
	2. Tiwari, N and Kumar, S. Poshakta se bharpur Madhua ki Unnat Kheti Prabudh gram (2024), Pg21-24		
	3.Tiwari, N. and Kumar, S. Kisan Utpadan sangathan bna chote kisano ka aay k sadhan Prabudh gram (2024), Pg.33-37		
Success story published	Jangal Gatha	1000	1000
TOTAL			

C. Details of Extension Publications

Particulars	Details of publication (Totle, authors name, organization)	No of copies published (if any)	No of copies distributed (if any)
Extension Bulletins			
published			
Agro-advisory bulletins			
Extension			
folders/leaflet/pamphlets			
Technical reports	Annual Report (Jan-Dec 2023)	03	
	Annual Report (NICRA)	01	
	Annual Report (ARYA)	01	
	Annual Report (Natural Farming)	01	
	Annual Report (AICRP)	01	
	Annual Report (CFLD OLS & PLS)	01	
	Annual Report (DRMR)	01	
	Contingent plan in Gumla district Atal		
	Bihari Tiwari & Sanjay Kumar		
News letter			
Electronic Publication	Light trap (AB Tiwari)	01	
(CD/DVD etc)			
TOTAL			

D. Details of HRD programmes undergone by KVK personnel

Sl.	Name of	designation	Name of	Date	Duration	Organizer/Venue
No.	KVK		course/training			
	personnel		program			
			attended			
1.	Nisha Tiwari	SMS (H.Sc.)	Millet for national	11-	5 days	CCAS,MPUAT,
			and livelihood	15//3/2024		Udaipur
			security,			
2.	Nisha Tiwari	SMS (H.Sc.)	Millet product	25-	3 days	NIT Rourkela
			processor	27/6/2024		
3.	Sweta	Programme	Innovations in	16-	5 days	ICAR-NAARM,
	Vishwakarma	Assistant (Comp)	Digital Extension	20/12/24		Hyderabad

E. Awards/Recognition

Institutional Award received by KVK

Sl.	Name of KVK	Name of the	Value	Achievement	Conferring
No.		Award	(In Amount/kind)		Authority
1	Gumla	Appreciation	-	Entrepreneurship	ICAR-ATARI
				development in	Patna
				Rural youths	
				through ARYA	

Award received by KVK Scientists

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

Award received by Farmers

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/ kind)	Achievement	Conferring Authority
1	Gumla	Ram Munda	Agrotech Kisan Mela	Vill-Sato Panchayat- Helta Block- Bishunpur	88477260197	0.00	Pig farming	BAU, Ranchi
2		Ajay Mahali	Agrotech Kisan Mela	Vill- Karamtoli Panchayat- Nagarpalika Bloc- Gumla	6204663101	0.00	Pig farming	BAU, Ranchi
3		Mrs. Sumitra Munda	Lakhpati Didi	Vill- Chatam, Panchayat- Chirodih, Block- Bishunpur		0.00	Commercial vegetable production	Vikas Bharti

Sl.	Name of KVK	Name of the Farmer	Name of the Award	Address	Contact No.	Value (In Amount/ kind)	Achievement	Conferring Authority
4		Mrs. Basanti Devi		Vill- Nawagarh Serka, Panchayat- Serka, Block- Bishunpur			Value addition	Vikas Bharti
5		Mrs. Mani Devi		Vill- Turiamba, Panchayat- Turiamba, Block- Bharno			Integrated farming System	Vikas Bharti
6		Mrs. Phoolkum ari Devi		Vill- Borang, Panchayat- Nirasi, Block- Bishunpur			Commercial Poultry farming	Vikas Bharti
7		Mrs. Anupa Oraon		Vill- Nagar Jakuwatoli, Panchayat- Nagar, Block- Sisai			Lac Cultivation	Vikas Bharti
8		Mrs. Parvati Devi		Vill- Nagar Gondraotoli, Panchayat- Nagar, Block- Sisai			Lac Cultivation	Vikas Bharti
9		Mrs. Shila Devi		Vill- Kokotoli Dipa Bagicha, Panchayat- Banari, Block- Bishunpur			Vermicompost production	Vikas Bharti
10		Mrs. Rajmani Kujur		Vill- Damkom, Panchayat- Ghaghra, Block- Bishunpur			Stiching	Vikas Bharti

3.7. TECHNOLOGY DEVLOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercia- lization / Patent
1	Sowing of Mustard, Niger, Urd and Paddy in open line developed Tracter drawn cultivator	Through this approach sowing of crop is done in line. Cost and time is also saved	Technology of sowing in open trench of cultivator is being widely adopted by the farmer especially in sowing of Niger, Mustard, Blackgram and Paddy. Approx 1400 ha area has been sown through this innovative method. The impact of this methodology has also been seen in yield enhancement in tune of 20-25%	
2	Canopy management in mango	Through this innovative approach centre of mango plant is opened with an objective to maximize light interaction to optimize light distribution within canopy and to maintain proper air flow and enhance productivity.	Canopy management practice is being widely adopted by the mango grower especially in Ghaghra, Palkot and Bishunpur blocks. The adoption rate is 10-12% of the growth.	
3	Ring method of leafy vegetable cultivation	Leafy vegetable viz Palak, Saro, Methi and Dhania is being cultivated in mango orchard ring in early stage of mango (2-4 years plants) with an objective to harvest lefy vegetable in advance with least investment and better income and self use. From single plant ring farmer's are succeded in harvesting of 2-3 kg leafy sag costing of rupees 100-120/kg per plant ring.	This innovative methodology is being widely adopted by the tribal farmers in their homestead mango plantation as well as in orchards and get the better income and nutritional security.	
4	Cutting potato leaves during tuber development stage	Cutting potato leaves in Ghaghra block by the innovative farmer is being popularized in adjoining area. Potato grower cut the leaves of potato during tuber growth stage with an objective to reduce the number of irrigation. And this practice leads to larger and more potato yield and income.	Cutting potato leaves during their growth stage is being widely adopted by the commercial potato growers especially in rabi season. under this practice approximately more than 350 ha area is being cultivated and 2-3 number of irrigation is minimized.	

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercia- lization / Patent
5	Reuse of Mushroom bundle for compost	Mushroom Cultivation is widely practiced by the SHG. About 200 SHGs are involved in Commercial Mushroom cultivation. After 2-3 plucking mushroom bundle is used by them for vermicompost production. Which is good enriched compost for improvement of soil fertility. Through this intervention group has succeded in earning of Rs. 350-400 from 20-25 waste bundles in one rotation.	Reuse of Mushroom bundle is fastly popularized among mushroom growers and they are adopting and gaining Rs 350-400 from 20-25 bundles in single rotation.	
6	Process technology for preparation Ragi cake.	Ragi cake is an eggless cake receipe using finger millet flour and prepared by SHG of Bishunpur block. The preparation of Ragi cake is extremely simple and healthy cake receipe. Youth women group of Bishunpur has started this new venture during IYM 2023 and get very positive response. After seeing the positive response group has started making ragi cake commercially and are earning net income @150/kg of cake. Approx 50-60 kg cake is being sold by the group in a month.	By seeing the impact of demand of cake others group has also associated with main group for production and marketing.	Through this venture group has succeded in earning of Rs 7500-10000/month.
7	Climate Resilient technology: Sand Bag Check Dam (Bora Bandh)	. To harvest/conserve runoff and flow of river/rivulet in seasonal streams up to certain level by making canal/low-cost sand bag check dam (Bora Bandh) and making vulnerable community a little more resilient to the impending risks of climate variability like water stress and providing water security for overcoming dry spells during Kharif season and extending water availability during Rabi and	The innovative irrigation idea "Sand bag Check Dam" find resonance in other villages through convergence in coming year and create more than 1000 ha land under assured irrigation. This has definitely registered more than double or triple fold increase in production and productivity of the crop and enables the district to achieve and sustain self-sufficiency in food grain.	This technological intervention did not require high investments but just innovative technology at reducing the flow of the stream and extending the availability of water beyond kharif season. It also showed the farmers, development workers and the state administration

Sl.	Name/ Title of	Brief details of the	Impact of the technology	Status of
No.	the technology	Innovative Technology		commercia- lization / Patent
		Summer for increasing cropping intensity as well as ground water table.		as to how vast stretches of land left fallow for want of water could be brought under cultivation during rabi and summer give hope to many stakeholders suffering from water scarcity, resultant low productivity and lack of livelihood opportunities. This simple technological intervention contributing towards increasing cropping intensity and income. That indicate its commercial value in enhancing the production
8	Tractor-operated paddy thresher machine	Rice is the major Kharif crop in the Gumla district, and traditionally, farmers thresh grains using cattle, a method that is highly time-consuming and inefficient. To address this challenge, the KVK introduced a tractoroperated paddy thresher for the first time in the district. Method demonstrations were conducted in various villages to showcase its benefits. Additionally, the machine has been made available for custom hiring, enabling more farmers to access this advanced technology. This initiative has significantly improved threshing efficiency, reduced labor requirements, and enhanced overall productivity in paddy cultivation.	The introduction of tractor-operated paddy threshers has revolutionized rice farming in the Gumla district. Today, approximately 1,200 threshers are available, significantly reducing the time and labor required for threshing. Most panchayats have access to at least one to two threshers, which are not only serving local farmers but also benefiting adjoining villages. Many progressive farmers have established custom hiring centers for farm machinery, successfully turning them into profitable ventures that provide a steady source of income. These centers allow small and marginal farmers to access advanced equipment without the need for heavy investment, promoting inclusive growth in agriculture. The growing demand for farm mechanization has enhanced productivity, minimized post-harvest losses, and improved the overall efficiency of farming operations. By	income Currently, service providers charge Rs. 1,200 per hour, making it an economically viable option for farmers. In addition to machine rental, some service providers also offer labor support, which is particularly beneficial in areas facing labor shortages. Compared to hiring manual labor, this mechanized service is more cost-effective, as farmers no longer need to provide extensive food and other facilities for local laborers. Beyond just saving time, this technology significantly reduces

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercia-
110.	the teemfology	imiovacive recimology		lization / Patent
			reducing labor dependency and increasing operational speed, mechanization is enabling farmers to adopt modern agricultural practices, leading to higher profitability and sustainable farming.	cultivation costs, enhances efficiency, and simplifies paddy farming, making the process more convenient and productive for farmers.

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	Cow	Farmers feed their cow green leaves of Bamboo after parturition.	For expulsion of placenta	
2	Wheat	Leaf of sindwar kept in grain house storage.	To minimize storage loss from pest or insects	
3	Paddy	Stem of sindwar sticking in paddy field	To protect from pest & dieases	
4	Tobacco extract	Panting or Washing animals with Tobacco extract	To Control Ecto parasites in animal	
5	Bullock	Boiled water of Mahuwa is used harassment relief.	To relief from harassment especially in kharif season.	
6	Ghato plant leaf	Ghato plant lesf is boiled with water & after cooling used in brinjal.	To protect against stem & fruit borer	
7	Paddy	Farmer using Sali@1kg/decimel for smooth and safe uprooting of paddy seedling	For easy uprooting	
8	Paddy	Farmer using small stool for uprooting of seedling to avoid drudgery in knee and wrist	Drudgery reduction	
9	Paddy	Farmer using dry paddy strw with compost in pond for better fish production	For good recovery of fish	
10	Fish	When pH of pond increases the fish farmer put the bundles of leaves of tamrind in the pond and when level of pH become normal then they takes out leaves bundles from pond.	For reducing the pH of water.	
11	Paddy	Young bamboo is crushed and extracted juice to put into water inlet in the paddy field. That juice is spread into the field and is absorbed by the paddy plants which help to control the disease like blast.	Control Blast Disease	
12	Termite control	Extract of custard apple leaf is used in controlling termite.	Termite control	
13	Wheat	Safe grain of wheat by using the dust of bricks and putting 2-3 onion in a bag.	Pest Control	
14	Pig	Oil extracted from Raptile mixed with karanj oil and camphor. After mixing boil it and filter, Ready material is used to control skin disease in pig	Skin disease treatment	
15	Cattle	Laping of Aloevera pulp on the tounge of animal to protect FMD	Prevention from FMD	
16	Cattle	Outer layer of onion i'e epidermal cell used to feed cattle against ticks.	Ticks Control	
17	Rice	Bamboo (New bud) is cut in small pieces, mixed in water or direct in field for control of GLH manager	Green Leaf Hopper management	

Sl. No.	Enterprise	Brief details of the ITK Practiced	Purpose/Impact of ITK	Impact of the technology
18	Mustard	Seed of mustard first broadcasted then use tractor drawn cultivator making line sowing. After ploughing small ridge and forrow developed. 20-25 days after sowing farmers uprooted the tenders mustard crop open lines and sell it as leafy vegetables.	Purpose of ITK is making irrigation in furrow and line sowing.	
19	Beekeeping	Cow urine spray near bee box for managing the wasps and hornets insects.	Dataya insect management	
20	Pig	Application of lime in curing of wound in pig	wound curing	
21	Vegetable cultivation	Planting of cauliflower in close spacing to reduce the size of curd and make it marketable	To make marketable	
22	Cauliflower	Covering of seedling with leaf cup (Dona)	To protect from cold wave	
23	Onion storage	Onion storage through hanging	To control onion rotting	Up to 90% rotting is controlled
24	Organic Super food for Garlic	At the time of the first hoeing of the garlic crop, make powder of goat dung and sprinkle it in the lines of garlic crop and hoe it. This will ensure garlic leaves of the crop remain green till the before harvesting.	For the better crop growth	Organic Super food for Garlic

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	Paddv	25	300 a	40	Yes

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

Sl.	Brief details of the tool/ methodology followed	Purpose for which the tool was
No.		followed
1	In order to provide effective training to farmers, KVK Gumla has followed some training analysis tools like Focus group discussion, open ended questionnaire, telephonic interview, group meeting and survey. During training analysis, problems and needs were identified, data regarding preferences of farmers towards type and area of training, knowledge and skill gap between actual and desired skill are collected and analyzed. For example, if a particular group/individual was performing less, then this approach could be used to send them for specific training that would enhance the particular skill that is lacking. On the basis of data analysis and feedback of the farmers, the thrust area of training, training schedule and methods were designed. With the help of training analysis tools, the major thematic area of training that were preferred by the farmers are goat farming, piggery, lac cultivation and its processing, mushroom cultivation, mali training, organic farming, cutting and tailoring, pump set repairing etc.	The purpose behind using the training analysis tools were to identify and solve the exact problem, to avoid repetition, to save time and money, to find out the future problems and taking steps for learning, growth and development of farmers through scientific cultivation, production and income generation. By following these training analysis tools, KVK Gumla has focused and designed training schedule on climate resilient technologies, animal husbandry entrepreneurial development and value addition etc. that were the need of the hour.

4. IMPACT

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

					Impact of the technology in	Impact of the	Change in i	ncome (Rs.)
Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	subjective terms	technology in objective terms	Before (Rs./ Unit)	After (Rs./Unit)
Lac cultivation	Lac cultivated on Ber trees in about 450 ha in Nagar panchayet of Sisai block, but yield deduction due to aspergillus and others fungal infection on host plant.	20	150	65	Training on scientific lac cultivation for tree treatment before broodlac inoculation has enhanced the productivity and quality of lac. 20 no of farmers spray 1 gm carbendazim per liter of water before inoculation of brood lac to control fungal infections, resulting in healthier host plants. This technology reduced broodlac mortality, ensuring better survival rates and higher yields. Through horizontal spread, 150 farmers adopted the practice, improving income, promoting sustainable lac cultivation, and boosting the local economy.	Increased broodlac survival by 25–30%. Income Rise: Farmers experienced a 20–25% income boost. Pest Control: Effective fungal disease management with 1 gm carbendazim/liter water application. Sustainability: Reduced crop loss, promoting eco-friendly practices. Livelihood Impact: Enhanced income generation for small and marginal farmers.	6080	4960
Drip Irrigation in watermelon	Nowadays, watermelon cultivation has become popular among farmers in the Gumla district due to its high profitability. However, the flood irrigation has led excessive irrigation water consumption &	2	56 ha	41.66 (17/5)	After live seeing significant benefits of drip irrigation in watermelon in the field by adjoining farmers has also encourage and adopted the same technology in watermelon and green pea	This technology significantly save irrigation water, ensures the precise application of fertilizers directly to the root zone through the fertigation method	156235.00	213600.00

					Impact of the technology in	Impact of the	Change in income (Rs.)		
Name of specific area	Brief details of the area	Brief details of the area No. of farmers benefitted Horizontal spread (in area/no.)	% Adoption	subjective terms	technology in objective terms	Before (Rs./ Unit)	After (Rs./Unit)		
	also damage fruits colour & sizes and KVK advice, two farmers have adopted drip irrigation for watermelon cultivation on approximately 4.4 hector at Belaghra, Ghaghra block, ensuring efficient water usage and improved crop quality.				crop in around 56 ha. This technology save a large amount of irrigation water, ensuring efficient usage while reducing labor costs associated with irrigation, fertilizer application, pumping, and weeding. Through the fertigation method, fertilizers are delivered directly to the root zone, minimizing wastage and enhancing nutrient absorption. Additionally, weed growth is significantly reduced, leading to improved crop health and lower labor requirements. Enhanced water and nutrient management result in higher yields, superior fruit quality and increased profitability, promoting sustainable and efficient farming practices. labor costs associated with irrigation, fertilizer application, pumping, and weeding. Through the fertigation method, fertilizers are delivered directly to the root zone, minimizing wastage and enhancing nutrient absorption. Additionally, weed growth is significantly reduced, leading to improved crop health and lower labor requirements. Enhanced water and nutrient management	without any wastage, and also minimizes weeds growth in the crop.			

					Impact of the technology in	Impact of the	Change in i	ncome (Rs.)
Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	subjective terms	technology in objective terms	Before (Rs./ Unit)	After (Rs./Unit)
					result in higher yields, superior fruit quality and increased profitability, promoting sustainable and efficient farming practices.			
Sole cropping	Sole cropping of mustard cultivation has enhanced the farmers' income by enhancing yield.	1436	2685	92	➤ Additionally, the sole cropping of mustard improve soil fertility and saving the irrigation water and making this a sustainable and profitable agricultural venture ➤ Employment generation: It creates good employment opportunities in terms of number of days engaged. Sustainability: Reduced mono-cropping through mustard cultivation due to low water requirement crop.	Farmers to farmer in the field. Economic Benefits: 15–20% higher yield of mustard; 20 –25% Market linkage: Farmers cultivating mustard under cluster approach have been linked to oil processing plants from where their price than the market price. Due to which farmers are getting additional income.	13750	67925

		_			Impact of the technology in	Impact of the	Change in i	ncome (Rs.)
Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	subjective terms	technology in objective terms	Before (Rs./ Unit)	After (Rs./Unit)
Soil Health Card	The Soil Health Card helps in providing information about soil's nutrient status, which leads to a reduction in chemical fertilizer usage. It also has good impact on agriculture by encouraging balanced fertilizer application based on soil needs; essentially promoting better soil health and agricultural productivity. Due to this increase in yield of crops and farmer's income were found in the fields.	1943	12650	18-20	➤ Through Soil Health Card, farmers are able to know about the fertility and acidity of their soil. In this direction, the government has also distributed 1800 q. dolomite among 1980 farmers whose soil pH value was less than 5.5. ➤ Sustainability promotion: By reducing excessive fertilizer usage, the scheme contributes to environmental sustainability by mitigating pollution risks.	Key impacts of the Soil Health Card: Reduced fertilizer usage. Increased crop yield from 12 to18 % Cost reduction in farming from 8 to 10 % Improved soil health Enhanced farmer awareness: The cards provide valuable information about soil composition, allowing farmers to make informed decisions regarding crop selection and fertilizer application.		Rs. 2725/ha deduction in cost of cultivation
Canopy Management	In dense Mango orchard the production was reduced drastically due to poor orchard management practices and improper rejuvenation technique i'e hard and semi hard pruning in the month of November and December. The farmer were not able to get economic yield and also involved the risk of drying of some plants.	60	50-60 acre (20-24 ha)	58.33% (35)	Pruning technique of open the center keeping the receiving of full sunshine for better development. By using light canopy management in November and December along with cultural and nutritional management, Farmers are getting maximum number of fruit bearing and quality produce and gain of Rs. 45000-55000/ha as additional profit over the traditional practices. 35 mango orchard farmer's in 20-24 ha area are adopting canopy management techniques.	Through pruning technique enhance the fruit bearing quality, more production and income.	Rs. 10000- 20000/ha	Rs. 45000- 55000/ha

					Impact of the technology in		Change in i	ncome (Rs.)
Name of specific area	Brief details of the area	No. of farmers benefitted	Horizontal spread (in area/no.)	% Adoption	subjective terms	technology in objective terms	Before (Rs./ Unit)	After (Rs./Unit)
Use of Bamboo machan for sitting of goats in gat farming unit	With the use of bamboo machan technology, the excreta and urine of goats flow away immediately which helps in keeping the area dry and hygienic. Many pathogenic oriented diseases are controlled with the use of bamboo machan for sitting of goats in goat unit. Through this technology excreta and urine are collected below the machan which can be easily cleaned and further it can be used as manure in field.	20	120	75%	Seeing the advantage of bamboo machan for goat rearing, most of the farmers adopted it. Through this technology the mortality rate of goats were reduced 6-25% which helps in increasing the income of the farmer. With increase in income more farmers were promoted towards goat rearing.	Through this technology, there is less chance of goats to coming contact with ammonia gases that are found through urine and excreta of goats on the floor below the machan. Due to this the percentage of of disease in goats are minimized to 20% and it helps them to live in disease for environment.	Rs. 30000/- unit	Rs. 80000/- unit
Scientific cultivation of Oyster Mushroom	Cultivation of oyster mushroom from October to February is favorable for Gumla District because of its favorable temperature and humidity. Mushroom farming is an enterprise of high profit at low cost. For production of oyster mushroom, the necessary materials that are required are arched room, shady palce, rack made of wood bamboo, paddy straw, spawn, polyethylene bag (14" 22"), scissors, fungicide and insecticides. The major steps are required in oyster mushroom production technology are preparation of straw, polythene bag, spawn preparation and spawning.	137	70	51.09	Not only income but the number of farmers and farm women engaged in mushroom cultivation were also increased. Most of the farm women were purchasing mushroom spawn and other related materials required for mushroom cultivation at their own level. Earlier oyster mushroom cultivation was found in a limited area of one or two blocks but now mushroom cultivation has been adopted by the farmers and farm women almost from all blocks of Gumla district.	During 2024- 25, the farm women that were engaged in mushroom cultivation earned an additional income of Rs 45000 to Rs. 50000 in a season through the sale of mushroom, mushroom nuggets and pickles	Rs.10,000 from the sale of natural mushroom	Rs.45000 from oyster mushroom.

B. Details of entrepreneurship/startup developed by KVK

Entrepreneurship development	
Name of the enterprise	Lac cultivation
Name & complete address of the entrepreneur	Name:- Anupa Devi Viilage:- Kataidamar, Panchayet:- Nagar, Block Sisai, Dist:- Gumla, Jharkhand
Role of KVK with quantitative data support:	Training, quality brood lac and tools related to lac cultivation were provided by Krishi Vigyan Kendra Gumla. By the joining the KVK, today they are getting handsome income by the Scientific lac cultivation.
Timeline of the entrepreneurship development	Started scientific lac cultivation after training in KVK in 2018-19
Technical Components of the Enterprise	 Selection of host plants Prunning of host plants Treatment of host plant before inoculation Proper brood lac inoculation Insect pest management Use of farm machinery for lac cultivation
Status of entrepreneur before and after the enterprise	Anupa Devi used to cultivate lac on 100 Ber trees which did not give him good income. There was a net profit of about Rs 40000 in a year from traditional lac cultivation. Today, by scientific lac cultivation, we are getting a net income of about Rs 150,000 in a year.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Lac is a natural product of commercial importance. In Gumla district lac host plant is naturally available and climate is suitable for lac cultivation. Due to the increasing demand of lac in foreign market, today lac is being sold a handsome price due to which farmers getting good income.
Horizontal spread of enterprise	Seeing the success of Anupa Devi about 45 farmers of nearby villages are also earning good income by scientific lac cultivation

C. Success stories/Case studies, if any

1. Personal information

1.	Name of the farmer/entrepreneur: Pawas Minz
2.	Date of Birth: 16/12/1964
3.	Education: XII
4.	Farming Experience/ Experience in enterprise: 60
5.	Cell no./ e-mail : 9612387721
6.	Full address: Konatoli, Telgown, Block: Gumla, Dist.: Gumla
7.	Professional membership : FPO
	(Farmer club/SHG/ATMA/etc.)
8.	Major achievement of the farmers :NA
9.	Awards received: NA



2. Professional Information

1. Title of the success story/case study

Overcoming Labor Shortages Through Farm Mechanization – The Success Story of Mr. Minz

2. Situation analysis/Problem statement (What prompted this initiative? What was the problem that needed to be addressed?)

Mr. Minz retired from the Indian Army in December 31, 2021 and decided to begin a new life as a farmer after retirement. Coming from a farming family, he was familiar with agriculture. His total landholding was around 8 acres, consisting of 2.4 acres of upland and 5.7 acres of lowland. For nearly three decades, the upland remained uncultivated, while the lowland was used for paddy farming through sharecropping during the kharif season. Over time, things had changed in his village. Most villagers were no longer interested in farming because Gumla town was just 15 km away. Many people preferred to work in the town for daily wages rather than work on farms. As a result, finding farm labor became a major challenge for Mr. Minz. The lack of workers made it difficult for him to continue farming successfully.

After retirement, he spent around four months settling in the village and renovating his house. Without wasting any time, he immediately began preparing his land for Kharif crops. The summer plooughing was done using a rented tractor. Farming conditions in Jharkhand are entirely dependent on rainfall, with the monsoon typically beginning around mid-June. However, he encountered significant challenges even before the monsoon arrived. Every farmer in the village was occupied with field preparations, making it difficult to hire tractors and laborers. Despite these obstacles, he managed to prepare the field and ready the paddy seedlings on time.

During the transplanting phase, a severe shortage of farm laborers caused delays. As a result, his paddy seedlings became over-matured, and he could not complete transplantation on his 5.7 acre field on time. He faced the same issue with his ragi crop. Additionally, labor shortages affected him during weeding, harvesting, and threshing. Despite these setbacks, he managed to sow black gram

using the broadcasting method on one acre. However, his plans to cultivate maize and vegetables on two acres failed due to a persistent labor shortage.

3. Plan, Implement and Support/KVK Intervention(s):

In September 2022, he participated in an FPO Member Training Program on Farm Mechanization at the FPO Gumla Office. The program deeply motivated him to explore farm mechanization. During the training, he gained valuable information about agricultural machinery. After the training, he contacted a KVK scientist to discuss the ongoing farm labor crisis and seek immediate solutions. The scientist explained the benefits of farm machinery and suggested purchasing a rice transplanter, a power weeder, and a reaper, requiring an investment of around ₹2,00,000. However, he told that money was not a concern for him and also expressed his intention to buy a tractor and rotavator. After a suggestion of scientist, he decided to purchase a tractor in next year.

By coincidence, on the same evening, the District Soil Conservation Officer called the KVK Scientist to request applications from interested farmers for the Farm Machinery Scheme, which offered an 80% subsidy on agricultural equipment. The scientist conveyed this message to Mr. Minz, who met the officer the next day and submitted the required documents.

Six months later, he received a call from the District Soil Conservation Office, Gumla, confirming the approval of his application. The total package under the scheme was ₹10,00,000 (Rupees Ten Lakhs Only), which included one mini tractor, one rotavator, one rice power transplanter machine, and one reaper. He paid ₹2,00,000 (Rupees Two Lakhs Only) as his share of the cost.

He considers himself one of the luckiest people on earth, as he was able to acquire exactly what he needed. Someone once said, "God helps those who work hard with dedication."

4. Details of Practices followed by the farmer

The farmer cultivates hybrid rice, potato, tomato, chili, mustard, and maize on 5.7 acres during kharif and rabi seasons. With the support of modern farm machinery and implements, he efficiently manages land preparation, sowing, irrigation, fertilization, and pest control. These advanced agricultural practices improve productivity, reduce labor, and enhance resource utilization, making farming more sustainable, cost-effective, and profitable while ensuring high yields and quality produce.

5. Results/ Output (economical/ social/ etc.)

(Key results/ Insight/ Interesting fact- initial, intermediate, or long-term outcome)

In early 2022, he feared that farming would struggle in the future due to a shortage of labor. However, with the support of modern farm machinery, agriculture became more efficient and manageable for him. During the Kharif and Rabi seasons of 2021-22, he earned a net profit of ₹38,488. By 2023-24, his earnings had soared to ₹1,71,858, reflecting an impressive 346.52% increase in just two years. He also provides permanent employment to a driver. While many retirees ends life with alcohol and gambling, Mr. Minz has proven that life has no retirement age. Today, he is an inspirational figure in society.

6. Impact/ Outcome:

He thought the purchased farm machinery was only for personal use to increase farming efficiency. However, after his successful farming, the villagers, seeing his progress, also demanded farm machinery for their fields. From 2022 onward, he decided to supply farm machinery (Reaper) on a hiring basis to villagers. That year, he harvested paddy on around 16 acres and earned a net profit of approximately ₹15,000. In 2023, using a mini tractor, transplanter, and reaper, he covered 62 acres and gained a net profit of around ₹1,72,000. In 2022, KVK Gumla also supported him by providing a paddle-cum-electric paddy thresher machine under TSP. At present, he is a service provider of farm machinery for adjoining villages also. In the coming years, he plans to purchase a tractor and thresher to expand his operations and run a large-scale custom hiring center. He believes this center will not only generate income but also provide employment opportunities for many unemployed youths in the village.

7. Future plans

In the coming years, he aims to invest in a tractor and thresher to expand his agricultural operations and establish a large-scale custom hiring center. This initiative will enable farmers to access modern equipment at affordable rates, boost productivity, and create job opportunities for many unemployed youths in the village, fostering rural development.







3. Economic Information

Year	Enterprise	Area (acre)	Gross Income (annual)	Net income	Cost-Benefit ratio
2021-22	Rice (Lalat)	3.0	55566	17766	1.47
	Black Gram (Local)	0.5	6500	1500	1.30
	Ragi (Local)	0.5	3622	1222	1.51
	Ragi-Vegetable (Cole crops	0.5	27000	18000	3.00
	Total:	4.5	92688	38488	1.71
2022-23	Rice (Hybrid)	3	78456	38856	1.98
	Rice (Sonpiya)	2	28224	10624	1.60
	G/N (Improved)	0.5	15825	8825	2.26
	Rice-Vegetable (Brinjal)	0.5	14400	5400	1.60
	Rice –Potato (Lalgulab)	0.5	38450	19380	2.02
	Rice –Tomato (Suraccha)	1	57792	31672	2.21
	Rice-Chilly (Suraj Mukhi)	0.5	23660	14620	2.62
	G/N-Mustard (PM-30)	1	23436	14836	2.73
	Custom hiring (Reaper)	16	9600	6400	3.00
	Total:	25	289843	150613	2.08
2023-24	Rice (Hybrid)	3	78456	38856	1.98
	Rice (Sahbhagi dhan)	1.5	37360	18160	1.95
	G/N (Improved)	0.5	15825	8825	2.26

Year	Enterprise	Area (acre)	Gross Income (annual)	Net income	Cost-Benefit ratio
	Maize (Kanchan)	0.5	12395	5695	1.85
	Rice-Vegetable (Brinjal)	0.5	14400	5400	1.60
	Rice –Potato (Lalgulab)	0.5	38450	19380	2.02
	Rice – Tomato (Suraccha)	1	57792	31672	2.21
	G/N- Pea (GS 10)	1	32600	11400	1.54
	G/N-Mustard (PM-30)	1.5	23221	9211	1.66
	Custom hiring (Reaper,				
	Transplanter & Mini Tractor)	62	42800	23259	2.19
	Total:	10	353299	171858	1.95

Between 2021-22 and 2023-24, the farmer significantly expanded his agricultural operations, increasing the sown area from 4.5 acres to 10 acres. In 2021-22, during the kharif season, he cultivated 4.5 acres, generating a gross income of ₹92,688 and a net income of ₹38,488. By 2022-23, with cultivation in both kharif and rabi seasons across 9 acres, his gross income rose to ₹2,89,843, including earnings from farming and custom hiring, with a net income of ₹1,50,613. Further expansion in 2023-24 to 10 acres resulted in a gross income of ₹3,53,299 and a net income of ₹1,71,858. The introduction of custom hiring services played a key role in boosting profitability. This steady growth reflects improved resource utilization, higher productivity, and enhanced financial sustainability, positioning the farmer for further expansion and success.

SUCCESS STORY-II

I. Personal Information

1.	Name of Farmer	Mr. Ram Munda
2	Date of Birth/age	31 years
3	Education	Inter
4	Farming Experience	5 years
5	Cell no.	8847260197
6	Full Address	Village – Sato, Panchayat- Helta, Block- Bishunpur,
		District- Gumla, Jharkhnad-835231
7	Professional Membership	ATMA
8	Awards Received	Best Farmer Award

2. Professional Information

Title: Pig farming: Profitable venture for income security.

Situation analysis

Mr. Ram Munda, 31 years old, was an unemployed belongs to farming family and lives in village-Sato, Panchayat-Helta, Block-Bishunpur. He was dependent on farming only and earned about Rs 45,000 to Rs. 50,000 in a year from farming of paddy, maize, ragi, from 2.5 acre of land and rearing of pig of local breed, which was insufficient to meet his family expenses. He faced problems like low litter size, or growth, and high mortality etc in his small pig farm and due to lack of knowledge he was not able to establish it in a profitable manner. To sort out these problems and for establishing highly remunerative enterprise, he decided to take training on pig farming which would help him in leading good piggery unit and also help him in securing better livelihood.

Plan, Implement and support /KVK intervention

Then, he contacted Krishi Vigyan Kendra Gumla in the year 2023 for training on pig farming and undertook entrepreneurship development training for pig farming. In 2023 Krishi Vigyan Kendra Gumla provided him seven days skilled training on Pig Farming which assisted him in establishing piggery unit in a profitable manner. During training he learnt about proper rearing, breading, feed management, common diseases and vaccination of piggery unit. As the piglet of improved breeds are also not easily available in the adjoining area of the village So, Krishi Vigyan Kendra Gumla provided him 2 pigs and vaccines also i.e. 2 piglets of Jharsuk breed (one male and one female) through demonstration because of its high yield, low per unit cost of production and black colour and fattening purposes. This breed can also gain approximately 80 kg body weight at slaughter age of 8-10 months. It can produce 8-12 piglets in each farrowing with two farrowing each year.

Details of practice

After receiving training and pigs, he sold all the desi pigs at Rs 144000/- for starting this unit on a commercial basis and with this amount he procured 2 boars and 10 sows on his own basis. Within 11-12 months each sow delivered 8-12 nos. of piglets in the first batch. The piglets were reared up to 60-75 days of age and sold at Rs. 2,500-3,000/- each. He spends around Rs.1000-1100/- per month on purchasing of the feed ingredients like broken rice, rice bran etc. and medicines, vaccines etc. He also used left-over rice, kitchen waste etc. for feeding of pigs and followed proper feed management practices. He also maintained frequent contact with experts of KVK Gumla to update his knowledge on scientific management practices of piggery unit. He expressed a great satisfaction while he sold the piglets as there was huge demand of improved piglets.

Results/Output

In 2023, he procured 2 boars and 10 sows on his own level after selling of 18 local breed pigs at Rs 144000/ and from 11 sows 88 piglets were born in one farrowing in the 2023. After rearing of these piglets for 60 to

75 days he sold it to the other farmers and was succeeded to earn a handsome amount of Rs. 264000/- which provided him a greater satisfaction. Because of increasing rearing cost, he also sold 5 adults at the rate of Rs 15000 and received an amount of Rs.75000 in the year 2023. In 2024, the number of piglets were also increased to 124 because of two farrowing in a year.

KVK was also regularly providing vaccination and clinical support to him and with regular technical support, it was observed that the mortality percentage was also reduced from 30- 40 % to 5-10 % among pigs. The scientific personnels were regularly visiting for monitoring the growth performance of the pigs and time to time provided mineral mixtures, dewormer, pig grower and finisher rations etc. In addition, his pig farm maintains high standards of cleanliness and sanitation in order to protect the pigs from contacting with any infections.

Impact/Outcome

For maintaining the sustainable pig farming Mr. Munda was successfully increasing the population of pigs in his piggery unit. For the expansion of Jharsuk breed in his area he sold it in surrounding villages and motivated the 20 other farmers towards piggery enterprise. Not only his income was increased but also, he got a good recognition in the society. With this additional income he was able to provide better education to their children. Income depends upon market need which comes in the tune of Rs. 250 to 300/kg and he had succeeded to earn a gross income of Rs. 2500-3000 / piglet. In 2024 he had sold 124 no. of piglets with a sum of Rs.372000 which was tremendous growth in his income from this unit. He was also awarded with **progressive farmer award** from **Shri Hemant Soren Hon'ble chief minister of Jharkhand** in Agrotech Kisan Mela 2025. With KVK's interventions in the form of Jharsuk crossbred pigs, entrepreneurship training, package of practices and regular guidance from scientists, he has emerged as one of the successful entrepreneurs among the youth in pig enterprise and earning a net annual income (profit) of approx. Rs. 8,00,000/- from the sale of 212 nos. of piglets and 23 adults in two years. He further expressed his commitment to keep his pig as long as it could give births so as to show that rearing pigs can substantially augment incomes of a family.

Pig farming is now becoming an important entrepreneurial venture with faster and higher economic returns, owing to pig's inherent qualities like early maturity, high fecundity, better-feed conversion efficiency, shorter generation interval along with smaller requirements of investment on buildings and equipment. More and more farmers are now adopting pig farming due to its high profitability.

Lesson Learned and Future Plan

In future Mr. Munda is planning for establishing this unit on a large scale by engaging more numbers of farmers on a payment basis for wider acceptance of this breed in Gumla district.

3. Economic Information:

Year	Enterprise name (Piggery Unit)	No.	Gross Income (Rs) (annual)	Net Income	Cost- Benefit ratio
2023	i. Local breed pig ii. Piglet (Jharsuk) iii. Adults/growers (Jharsuk)	18 88 5	144000/- 264000/- 75000/-	90000/- 176000/- 40000/-	2.66 3.00 2.14
2024	Piglet (Jharsuk)	124	372000/-	224000/-	2.50

Photographs









गुमला में शनिवार को प्रशन्ति यत्र दिसाते सम्मनित हुए किसान । • किन्द्रलान

मुमला से शनियान को प्रशनित पत्र दिखा
मुमला, संबाददाना। बिरसा कृषि
विविधातल रांची में आयोजित प्रदेश
स्तरीय एकेटिक किसान मेणा में
मुख्यमंत्री हमेंद सीरंग ने मुम्पला जिल्ले
के के प्रशित्मील किसानी सम् मुंडा
(कारों, विश्वनुष्ट) और आजव माइली (करमदीर्थी, मुमला) को मुख्य पालन के क्षेत्र में प्रशनित पत्र व राजल मेंदानर सम्मानित किया। अजन महत्त्री ने कृषि विद्यान केड मुमला श्रता संभावित आर्था

सम्मीमा हुए किसान। • किन्नुलान परियोजना के ताहर प्रतिश्रमण प्राप्त कर वैज्ञानिक पद्धित से सुकर फलन शुरू किया। जिससे वे प्रतिवर्ष यो-तीन शह्म रुपये की आमयनी अर्जित कर रहे हैं। यहाँ एम मुंद्रा ने खेली के साथ-साथ सुकर फलन का निर्णय किया और कृषि विज्ञान केंद्र गुमला से प्रतिश्रमण प्राप्त कर इसे अपनाया। आज व हर साल हेड -यो लाख रुपये को अतिरिक्त आय प्राप्त कर रहे हैं।

Success Story-III

I. Personal Information

1.	Name of Farmer	Basant Chik Badayik	
2	Date of Birth/age	01.01.1992	
3	Education	9 th	The second second
4	Farming Experience	8 years	
5	Cell no.	8252607873	
6	Full Address	Village –Khartanga , Panchayat-Marasilli , Block- Bharno District- Gumla, Jharkhnad-835231	
7	Professional Membership	ATMA	
8	Awards Received		

2. Professional Information

Title: Vegetable Nursery Production

Situation analysis

Mr. Basant Chik Barayik, resident of village- khartanga, block-Bharno is a farmer by profession and was totally depend on paddy farming only. He did paddy farming once in a year in 2 acre of land for earning his income for his livelihood. But income from paddy farming was not sufficient for fulfilling his family needs around the year. Therefore, he was engaged in labour work for their livelihood.

Plan, Implement and support /KVK intervention

In 2021-22 he came on contact with Krishi Vigyan Kendra Gumla and asked about ways of increasing income from his fields. He was facilitated through FLD programme and received knowledge about vegetable nursey production in a scientific way. He turned his interest towards vegetable nursery production.

Mr. Barayik was always in touch with KVK scientist and was taking regular technical assistance from scientist of KVK.

Details of practices followed by the farmers

Mr. Barayik was very much influenced with the efforts of Krishi Vigyan Kendra Gumla that motivated him towards vegetable nursery production for improving his income. He followed all the steps of vegetable nursery production like preparation of nursery bed, soil management, planting procedure, control of seedling density, seed nursery raising practice in portray. He raised good amount of vegetable nursery as per the demand of vegetable in his area and sold in the local market.

Results/Output

After getting technical advice from KVK, he raised nursery of vegetables like tomato, brinjal, chilli, cauliflower in one acre of land through adopting all the technology of nursery management like Portray nursery, protective nursery, need based bio pesticides use, disease resistant varieties, adequate time of seed sowing, seed treatment for good quality seed raising and his net income return was Rs 177000 in 2023-24 with benefit cost ratio 3.92.

Impact/Outcome

This agri enterprise was giving him good results and he proved as a good nursery grower in the society. He was not only getting income from vegetable nursery production but also had good impact among the other farmers. His successful return delivered the positive message among local people. Now he has become a good example for other farmers in his village.

Lesson Learned and Future Plan

In future he is planning to expand vegetable nursery management in 15-20 acre of land by forming commodity interest group with 40 farmers of two villages of Bharno block.

3. Economic Information:

Enterprise name	Seedling No.	Gross cost (Rs)	Gross Income (Rs)	Net Income	Cost- Benefit ratio
Vegetable Nursery (Seedlings of Tomato, Chilli, Cauliflower, Brinjal, Cabbage)	7.50 lakhs	60500	237500	177000	3.92







Success Story-IV

Nutritional Garden brings Nutritional Security

Name of Farmer	:	Mrs. Anjella Kerketta
Address	:	Village -Bendi, Panchayat- Amtipani
		Block- Bishunpur, District- Gumla
Contact details	:	6202169324
(Phone No. & email ID)		0202109821
Landholding (in	:	01
ha)		
Name and	:	Mrs. Anjella Kerketta was a successful Nutritional gardener from Bendi Village
description of the		within Bishunpur block of Gumla District, was doing nutritional gardening in a
farm/enterprise		very small area (0.008 ha). As she did not have prior knowledge of Nutritional
		gardening was not getting adequate quantity of vegetables around the years. In
		2022 she came in contact with the scientist of Krishi Vigyan Kendra Gumla and
		showed her keen interest in Nutritional gardening and other technical support
		from the scientist. Being a hard working farm women she grasped the technology
		faster and adopted it. After getting scientific knowledge of nutritional garden and
		good quality vegetable seeds like Carrot, Beet, Brinjal, Cauliflower, Green leafy
		Vegetable, Chili, Coriander, Tomato, Radish, French bean etc, she developed
		nutritional garden in 300sqm and also planted fruit plants like Guava, Mango,
		Papaya, Drumstick etc.
Economic impact	:	Initially she was developing Nutritional garden with constant encouragement
		because of this she was not able to get vegetables around the year. In 2022 after
		demonstration on Nutritional Garden and regular follow up by the KVK Scientist
		at her field, area under Nutritional garden was increased to 300sqm. which was
		able to full fill food diversity in the diet of her family members. It had also
		reduced reliance on market for introduced vegetables and fruits. With this
		Nutritional garden she was happy to enhance Nutritional security and also income
		security for her family. She earned about Rs. 2500.00 per month from the sale of
		surplus vegetables.
Social Impact	:	Through Nutritional garden her family members were Nutritionaly secured
- Star Zarput		because of intake of all nutrient's like proteins, vitamins and minerals in their
		diets and this motivated other family of her village for including balanced and
		dies and ano monvaced once faining of her vinage for including bataliced and

		218
		healthy diet in their meal. She was a key person for other farm women in developing Nutritional garden in their land.
Environmental impact		With the adoption of short duration varieties of vegetables and ridge method planting under Nutritional garden, the water saving was found up to 10-15%.
Horizontal/vertical spread	•	By seeing Mrs. Anjella Kerketta's effort almost all the farm women of her surrounding villages have adopted Nutritional garden at their own land for enhance their income and Nutritional securities both.

Action Photographs



Success Story-V Specific Technology:- Introduction of improve Groundnut variety (K-1812) & ICM.

	duction of improve Groundnut variety (K-1812) & ICM.
Name of KVK	Gumla
Crop and variety	Groundnut, Variety – K-1812
Name of farmer & address	Shri Kamaldev Oraon
	Village – Lutobertoli
	Block – Gumla
	District – Gumla
	Mobile - 7858800557
Background information about farmer field	Kamal Oraon is a progressive farmer from Lutobertoli village in Gumla district. He owns 0.4 hectares of tar land, which is rainfed and used only for kharif crop cultivation. The soil in his field is low in fertility, with deficiencies of nitrogen (N), phosphorus (P), and potassium (K). Traditionally, he cultivated K-6 variety of groundnut, which had a low yield of 12 q/ha. There was no seed treatment, use
	of bio-fertilizers, or proper soil amendments, leading to low productivity and poor income.
	To address these challenges, KVK Gumla implemented the Cluster Frontline Demonstration (CFLD) program to introduce scientific farming practices and high-yielding varieties to increase productivity
	and profitability.
Details of technology	Demonstrated Variety: K-1812 (High-yielding, disease-
demonstrated	resistant & drought tolerant)
	Area Covered: 0.4 hectares
	➤ Inputs Provided: Certified seeds, bio-fertilizers, dolomite
	➤ Seed Treatment: Thiram to prevent seed-borne diseases
	Line sowing for uniform plant growth
	➤ Soil testing-based fertilizer application
	➤ Integrated pest and disease management
	Crop Duration: 112 days
Institutional involvement	The KVK Gumla scientists played a crucial role in ensuring the success of this demonstration. Regular field visits were conducted to monitor crop growth and guide the farmer on best practices. Capacity-building training sessions were organized to educate the farmer on improved cultivation techniques. Technical support was provided for weed management, pest and disease and insect management scheduling.
Success point	➤ Higher Yield: The adoption of K-1812 variety and improved practices led to an increase in yield from 12 q/ha to 22 q/ha.
	➤ Better Disease Resistance: Seed treatment with Thiram and the use of bio-fertilizers reduced the incidence of soil-borne diseases.
	➤ Increased Profitability: The net income increased from ₹40,000/ha to ₹1,00,000/ha, making groundnut farming more profitable.
	Adoption by Other Farmers: Seeing the success, other farmers in the village showed interest in adopting K-1812 variety and improved agricultural techniques.
	Improved Soil Health: The use of bio-fertilizers and dolomite helped in enhancing soil fertility and productivity. Sri

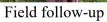
Farmer feedback	Kamaldev Oraon getting very interest for adoption of this technology. His field was prepared by rotavator and then line sowing was done with the help of cultivator. The fertilizer applied was 100 kg N: 60 kg P: 40 kg K with 4500 kg organic manure (FYM). Weed management through weedicide (Pendimethalin) @ 2.0 liter/ ha. Farmer feedback about the demonstrated technology was very encouraging and shows their willingness to adopt this variety and
	ICM in right way.
Yield (q/ha)	
- Potential yield of variety	: 35.00 q/ha
- District average	: 13.35 q/ha
(Previous year)	
- State average	: 8.80 q/ha
(Previous year)	

Performance of technology vis-à-vis Local check (Increase in productivity and returns)

Used Practice	Yield (q/ha)	Gross cost (Rs/ha)	Gross income (Rs/ha)	Net income (Rs/ha)	B:C ratio
Farmer practices	14.30	48500	96997	48497	2.00
Demonstration	22.70	50600.00	153974	103374	3.04
% Increase	58.74				

Photographs:







Groundnut field



Field day on Groundnut (K-1812)

5. LINKAGES

5.1. Functional linkage with different organizations

S.No	Name of organization	Nature of linkage
1.	District Cooperative Office Gumla	Training
2.	ATMA Lohardaga	Training
3.	ATMA Palamu	Training
4.	AICRP Niger	FLD
5.	AICRP Niger	Training
6.	National Bee Board	Training, Awareness
7.	IIMR Hyderabad	Establishment of Millet Processing Centre

5.2. Details of Externally funded project & Programmes during 2024 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

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

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

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Training	Training	04/01/24	District Cooperative	675000.00
			Office Gumla	
Training	Training	09/02/24	ATMA Lohardaga	75000.00
Training	Training	26/02/24	ATMA Palamu	58750.00
FLD	FLD	11/03/24	AICRP Niger	80000.00
Training	Training	20/01//24	AICRP Niger	24000.00
Training, Awareness	Training, Awareness	25/06/24	National Bee Board	550000.00
Establishment of	Establishment of	08/01/25		3612000.00
Millet Processing	Millet Processing		IIMR Hyderabad	
Centre	Centre			
Total				5074750.00

6. PERFORMANCE INDICATORS

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

		Year of	Area	Detai	ls of production	on	Amou	ınt (Rs.)	
SlNo Name of demo Unit	estt.	(Sq.mt)	Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	Remarks	
1.	Rainwater harvesting unit	2007-08	40 m x 30 m	Rohu, Katla, Mrigal					
2.	Vermicompost	2010-11	189 sq. ft	Easenia foetida	Compost	1.09 q	59009.00	105600.00	Sell 88 q 21 q stock in hand
3.	Nursery unit			Vegetables	Seedling	12975 no			Farm sue, Sell and distribution
		2018-19		Spices	Seedling	21870 no	60892.00	74250.00	Farm sue, Sell and distribution
				Fruits	Plant	5000 no			Sell and stock in hand
				Medicinal	Slip	5000 no			Stock in hand
4.	Goatry	2017-18	0.30 ha	Black bangal	Kids	07 no	38496.00	32000.00	Sell and stock in hand
5.	Duckry	2018-19	1500 sq ft	Khakhi campbell	Egg	35 no.	2406.00	245.00	Sell
6.	Pig	2018-19	366 sq ft	Jharsuk	Piglet	36 no	102117.00	129600.00	Sell
			_		Pig	100 kg	102117.00		
7.	Hatcheryu unit	2023-24		Sonali, Jharseem	Chicks	612 no	5712.00	16896.00	Sell
8.	Semialata	2024-25	0.05	Semialata	-	-	7140.00		Growth stage
8.	Custom hiring			Drone		134.5 acre	7309.00	85950.00	
				Tractor		2.0 hr.	/309.00		
	Total								

6.2 Performance of Instructional Farm (Crops)

Name	Date of	Date of	в (Details	Details of production Amoun				(Rs.)	Rs.) Remarks						
Of the crop	sowing	harvest	Area (ha)	Variety	Type of Produce	Qty.(q)	Cost of inputs		Gross income							
Paddy	29/07/24-	20/11/24-	2.0	MTU-1010	F/S	92.0	124311.00		124311.00		124311.00		124311.00		184000.00	Stock in Hand
	04/08/24	26/11/24														
Paddy	04/08/24-	27/11/24	0.20	Black Rice	T/S	1.92			3800.00							
	06/08/24															
Wheat	27/12/24	-	0.40	K-1006	F/S	-		7050.00		Growth Stage						
Mustard	20/10/23	10/02/24	0.30	PM-30	T/S	0.94	Jan-Dec	1912.00	4700.00	Stock in hand						
							Oct-Dec	5916.00								
Sugarcane	09/03/24	17/01/25	0.05	Local		90		8693.00	900.00	Crop standing &						
						pc				Growth stage						
Sesame	09/07/24	16/10/24- 18/10/24	1.0	RT-351	F/S	0.77		9456.00	9240.00							
Paddy	24/07/24-	25/11/24-	0.20	Swarna	F/S	6.30		14806.00	24000.00	G. 1 1 1 1						
	25/07/24	27/11/24		Shreya						Stock in hand						
Dhaincha	19/07/24	26/11/24-	0.20	Dhaincha	T/S	0.71		5063.00	3550.00	Crop damaged due to weather at						
		28/11/24								the time of						
Ragi	26/07/24-	20/11/24-	0.80	BM-03	C/S	6.89		7466.00	27560.00	harvesting						
	27/07/24	24/11/24								nai vesting						
Niger	30/08/24-	01/12/24-	1.6	BM-03	F/S	1.80		14179.00	21000.00							
	03/09/24	14/12/24														
Mustard	29/10/24	-	0.40	PM-30	T/S	-		9536.00		Crop standing						
Mustard	05/12/24	-	0.40	BBM-1	F/S	-		2753.00		Crop standing						
Wheat	08/12/24-	-	0.80	DBW-187	F/S	-		13877.00		Crop standing						
	19/12/24															
Redgram	11/07/23	20/04/24	0.40	Birsa Arhar-	C/S	0.50	Jan-Apr	2295.00	4000.00	Crop damaged						
				02			July-Dec	13418.00		due to weather						
							Total	15713.00								
Sunflower	11/11/23	31/03/24	0.04	SH-23	T/S	0.10	Nov-Dec	637.00	-	Stock in hand						
(Trial)							Jan-Dec	2167.00								

Name	Date of	Date of	a)	Details	of product	ion		(Rs.)	Remarks	
Of the crop	sowing	harvest	Area (ha)	Variety	Type of Produce	Qty.(q)	Cost of	inputs	Gross income	
				Sh-21, LFSH-1 H			Total	2804.00		
Orange	28/10/15- 29/10/18	13/12/24	0.09	Nagpur Santara	Fruit	0.60		2422.00	3000.00	Sell
Lemon	08/08/15	04/08/24	0.04	Kagji	Fruit	0.15		765.00	450.00	Sell
HD Guava	21/07/09 24/08/17	-	0.50	L-49, KG Guava, Allahabad Safeda	Fruit	-		10710.00	-	Pruning work
Mango (B Block)	21/06/13	07/06/24	2.0	Langra	Fruit	Sold with tree	21580.00		48000.00	Sell
Mango (C D Block)	20/07/08	07/06/24	0.80	Amrapali, Himsagar	Fruit	Sold with tree		7476.00		
Mango (A Block)	22/08/17	07/06/24	0.60	Amrapali, Langra	Fruit	Sold with tree		7866.00		
Pomegranate + Litchi	25/04/11 2022	-	0.31	Ganesh, Bhagwa	Fruit	-		3060.00	-	Growth stage
Papaya	27/07/23- 04/08/23		0.06	Ranchi Papaya	Fruit	-	Jan-Dec	2677.00		Growth stage
Litchi	24/12/23		47 plants	Shahi	Fruit	-		3187.00		Growth stage
Potato	14/10/23	17/01/24	0.03	Lal Gulab, Kufri	Non seed	3.87	Oct-Dec	6027.00	Dec 720.00 5130.00 Total 5850.00	Sell
Tomato	11/11/23	19/04/24- 18/05/24	0.01	Swarna Prakash	Non seed	1.27	Nov-Dec 23 Jan-Dec 24 Total	446.00 1402.00 1848.00	2390.00	Sell
Corainder + Spanich	12/12/23	21/02/24- 15/03/24	0.02	All green	Non seed	1.07	Dec 23 Jan-Dec 24 Total	1245.00 127.50 1372.00	2325.00	Sell
Yam	07/05/23		0.07	Gajendra		4.28		13742.00	16096.00	Sell

NI	D-4 6	D-4 C	- a	Details of production			Amount (Rs.)				Remarks
Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Variety	Type of Produce	Qty.(q)	Cost of	inputs	Gross	income	
		21/02/24-			Non		Jan-Dec	1530.00			
		22/02/24			seed		Total	15272.00			
Chilli	07/10/23	27/02/24-	0.02	Agni	Non	0.48	Oct-Dec	1912.00		2175.00	Sell
		20/03/24			seed						
Okra	14/03/24	02/05/24-	0.15	Mahico	Non	0.39		6727.00		1540.00	Damaged due to
		18/05/24		Bhindi-10	seed						grazing
Watermelon	08/03/24	-	0.12		Non	-		3185.00		-	Damaged due to
					seed						grazing
Bottle gourd	10/03/24	-	0003	Anokhi	Non	-		3465.00		-	Damaged due to
_					seed						Wilting
Yam	15/05/24	12/12/24	0.40	Gajendra	Non	1.68		21245.00		6780.00	Stock in hand and
					seed						sell going on
Brinjal	25/10/24	-	0.04	RCBR-22	Non	-		1647.00		-	Growth stage
-					seed						
Garlic	23/10/24	-	0.02	Local	Non	-		3030.00		-	Growth stage
					seed						
Tomato	30/10/24	-	0.02	Swarna	Non	-		1530.00		-	Growth stage
				Prakash	seed						
Chilli	30/10/24	-	0.02	Agni	Non	-		1657.00		-	Growth stage
					seed						
				Natural	Farming (F	Rabi 2023)					
Potato	02/12/23-	27/02/24-	0.20	Lal Gulab	Non	1.70	Dec 23	5084.00	Dec 23	2600.00	
Wheat	14/12/23	27/04/24		HD-2967	seed	0.40	Jan-Mar	4335.00	Jan-Mar	800.00	
Gram				GNG-15		0.05					
							Total	9419.00	Total	3400.00	
Bottle gourd	20/04/24	20/06/24	0.20	All green	Non	0.54		4087.00		1080.00	
+ +					seed						
Dhaincha											
Ragi	27/07/24-	20/11/24-	0.20	BM-03	Seed	1.70		10410.00		6800.00	
	26/07/24	24/11/24									
Wheat	30/11/24	-	0.20	HD-2967	seed	-		3547.00		-	Crop standing
				DBW-187							Growth stage

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

Sl.	Name of the	O ((TT)	Amoun	D 1	
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	Remarks
1.	Vermicompost	1.09 q	59009.00	105600.00	Sell-88 q
					Stock in hand-21 q
2.	Jeevamruth	200 lit	-	-	Used in Natural
					farming plot
3.	Goat gold	10.0 q	2677.00	10000.00	Sell
	Total	1.09 q	61686.00	115600.00	

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

	Name	Details of production			Amount (Rs.)		
SI. No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Goat	Black Bengal	Kid	07 no.	38496.00	32000.00	Sell
2.	Pig	Jharsook	Piglet Pig	36 no. 100 kg	102117.00	129600.00	Sell
3.	Duck	Khakhi Campbell	Egg	35 no.	2406.00	245.00	Egg sell 09 Ducks stock in hand
4.	Poultry	Jharsim, Sonali	Chicks	612 no.	5712.00	16896.00	Sell
	Total				148731.00	178741.00	

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
07/04/2021	IMD	Yes

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)
Jan 24	10	250	
Feb 24	20	100	
Feb 24	20	20	
Feb 24	20	40	
Feb 24	21	105	
Mar 24	22	44	
Mar 24	22	44	
Mar 24	25	175	
Mar 24	22	44	
Mar 24	25	50	
May 24	16	240	
May 24	20	140	
May 24	9	45	
June 24	23	345	
June 24	13	91	
Aug 24	25	175	
Sep 24	30	390	
Sep 24	17	255	
Sep 24	25	125	
Sep 24	17	85	
Dec 24	4	12	
Dec 24	13	65	
Dec 24	20	100	
Jan 25	17	119	
Jan 25	22	330	
Feb 25	20	600	
Total:	498	3989	

6.7 Utilization of staff quarters

Whether staff quarters has been completed : Completed

No. of staff quarters : 06

Date of completion : 9th March 2008

Occupancy details:

Months	QI	QII	Q III	QIV	QV	QVI
January 24		$\sqrt{}$	V			$\sqrt{}$
February 24	$\sqrt{}$	$\sqrt{}$		$\sqrt{}$		$\sqrt{}$
March 24		$\sqrt{}$	V			$\sqrt{}$
April 24		$\sqrt{}$	V			$\sqrt{}$
May 24		$\sqrt{}$	V			$\sqrt{}$
June 24		$\sqrt{}$	V			$\sqrt{}$
July 24		$\sqrt{}$	V			$\sqrt{}$
August 24		$\sqrt{}$	V			$\sqrt{}$
September 24		$\sqrt{}$	V			$\sqrt{}$
October 24		$\sqrt{}$	V	$\sqrt{}$		$\sqrt{}$
November 24	V		V	V	V	V
December 24		$\sqrt{}$		$\sqrt{}$		$\sqrt{}$

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
With Host Institute			
With KVK	Bank of India	Bishunpur	492210100009600
Revolving fund (KVK)	Bank of India	Bishunpur	492210100009591
Hostel & Staff Quarter (KVK)	Bank of India	Bishunpur	492210100011614

7.2. Utilization of funds under CFLD on Oilseed (2024) (Rs. In Lakhs)

Item	Released by ICAR		Expenditure		Unspent balance as
Item	Kharif	Rabi	Kharif	Rabi	on
Sesame	47944.00		47944.00		
Niger	201200.00		201200.00		
Mustard		73541.00		73541.00	
Linseed		83857.00		83857.00	
Sunflower		79153.00		79153.00	
Oilseed Model Village		107908.00		107908.00	

7.3. Utilization of funds under CFLD on Pulses (2024) (Rs. In Lakhs)

	Released	Released by ICAR		Expenditure	
Item	Kharif	Rabi	Kharif	Rabi	balance as on
					••••
Blackgram					
Pigeon pea					
Lentil					
Pulses Model Village					

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

No. Particulars		cation of KVK funds during the year 2024 (Not audi	tea)		
Pay & Allowances 22198251.00 22198251.00 22198251.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 248591.00 22446842.00 22446842.00 22446842.00 22446842.00 22446842.00 22446842.00 22446842.00 22446842.00 22446842.00 20846842.	Sl. No.	Particulars	Sanctioned	Released	Expenditure
Salary head balance Refund to ATARI	A. R	ecurring Contingencies			
Total 22446842.00 22446842.00 22446842.00 3 Contingencies (General)	1	Pay & Allowances	22198251.00	22198251.00	22198251.00
3	2	Salary head balance Refund to ATARI	248591.00	248591.00	248591.00
a TA 80458.00 80458.00 80458.00 b HRD 12080.00 12080.00 12080.00 c Miscellaneous (POL, Stationary, Postage, Repair of vehicle, Telephone etc. 398696.0 398696.0 398696.0 398696.0 d Training of farmers 122223.00 12223.00 12223.00 12223.00 12223.00 12223.00 12725.00 127000.00 19701.00 19701.00 19701.00 </th <th></th> <th>Total</th> <th>22446842.00</th> <th>22446842.00</th> <th>22446842.00</th>		Total	22446842.00	22446842.00	22446842.00
b HRD 12080.00 12080.00 12080.00 c Miscellaneous (POL, Stationary, Postage, Repair of vehicle, Telephone etc. 398696.0 398696.0 398696.0 d Training of farmers 122223.00 122223.00 122223.00 e OFT 31440.00 31440.00 31440.00 31440.00 f FLD 63260.00 63260.00 63260.00 63260.00 g Maintenance of Building 19755.00 19755.00 19755.00 19755.00 19755.00 19701.00 100000.00	3	Contingencies (General)			
c Miscellaneous (POL, Stationary, Postage, Repair of vehicle, Telephone etc. 398696.0 122223.00 122223.00 122223.00 122223.00 122223.00 122223.00 122223.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31440.00 31755.00 19755.0	а	TA	80458.00	80458.00	80458.00
vehicle, Telephone etc. 398696.0 398696.0 398696.0 d Training of farmers 122223.00 122223.00 122223.00 e OFT 31440.00 31440.00 31440.00 f FLD 63260.00 63260.00 63260.00 g Maintenance of Building 19755.00 19755.00 19755.00 h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 d SCSP Total 2004128.00 2004128.00 4 SCSP Capital 98136.00 98136.00 98136.00 F Total 366572.00 366572.00 366572.00 366572.00 5 TSP Total 1602860.00 1602860.00 1602860.00 General 937507.00 2540367.00 2540367.00 2540367.00 General 27357909.00	b	HRD	12080.00	12080.00	12080.00
d Training of farmers 122223.00 122223.00 122223.00 e OFT 31440.00 31440.00 31440.00 f FLD 63260.00 63260.00 63260.00 g Maintenance of Building 19755.00 19755.00 19755.00 h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 4 SCSP Total 2004128.00 2004128.00 4 SCSP Capital 98136.00 268436.00 268436.00 General 268436.00 268436.00 98136.00 98136.00 5 TSP Total 366572.00 366572.00 366572.00 5 TSP Total 1602860.00 1602860.00 1602860.00 General 937507.00 2540367.00 2540367.00 2540367.00 Grand Total 273579	С	Miscellaneous (POL, Stationary, Postage, Repair of			
e OFT 31440.00 31440.00 31440.00 f FLD 63260.00 63260.00 63260.00 g Maintenance of Building 19755.00 19755.00 19755.00 h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 Total 2004128.00 2004128.00 2004128.00 4 SCSP Capital 268436.00 268436.00 268436.00 Total 366572.00 366572.00 366572.00 366572.00 5 TSP Total 1602860.00 1602860.00 937507.00 937507.00 937507.00 2540367.00 2540367.00 2540367.00 2540367.00 27357909.00 27357909.00 27357909.00 27357909.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 C. REVOLVING FUND -		vehicle, Telephone etc.	398696.0	398696.0	398696.0
f FLD 63260.00 63260.00 63260.00 g Maintenance of Building 19755.00 19755.00 19755.00 h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 4 SCSP Total 2004128.00 2004128.00 2004128.00 General 268436.00 268436.00 268436.00 268436.00 98136.00 Total 366572.00 366572.00 366572.00 366572.00 366572.00 5 TSP Total 1602860.00 1602860.00 1602860.00 1602860.00 1602860.00 2540367.00 27357909.00 27357909.00 27357909.00 27357909.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 700000.00 70000.00 70000.00 70000.	d	Training of farmers	122223.00	122223.00	122223.00
g Maintenance of Building 19755.00 19755.00 19755.00 h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 2004128.00 4 SCSP Total 2004128.00 2004128.00 2004128.00 General 268436.00 268436.00 268436.00 268436.00 Total 366572.00 366572.00 366572.00 366572.00 5 TSP Total 36572.00 937507.00 937507.00 937507.00 937507.00 937507.00 2540367.00 2540367.00 2540367.00 2540367.00 2540367.00 27357909.00 27357909.00 27357909.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00 70000.00	e	OFT	31440.00	31440.00	31440.00
h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 4 SCSP Total 2004128.00 2004128.00 2004128.00 4 SCSP 268436.00 268436.00 268436.00 268436.00 268436.00 98136.00	f	FLD	63260.00	63260.00	63260.00
h Exhibition and Kisan mela 19701.00 19701.00 19701.00 i General Expenses 1100000.00 1100000.00 1100000.00 j Operational 156515.00 156515.00 156515.00 Total 2004128.00 2004128.00 2004128.00 4 SCSP SCSP 268436.00 268436.00 268436.00 268436.00 268436.00 98136.00<	g	Maintenance of Building	19755.00	19755.00	19755.00
Total 156515.00 156515.00 156515.00 156515.00	h	Exhibition and Kisan mela	19701.00	19701.00	19701.00
Total 2004128.00 2004128.00 2004128.00 SCSP	i	General Expenses	1100000.00	1100000.00	1100000.00
4 SCSP General 268436.00 268436.00 268436.00 Capital 98136.00 98136.00 98136.00 5 TSP 366572.00 366572.00 366572.00 General 937507.00 937507.00 937507.00 Capital 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 Grand Total 27357909.00 27357909.00 27357909.00 B. Non-Recurring Contingencies 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -	j	Operational	156515.00	156515.00	156515.00
General 268436.00 268436.00 268436.00 268436.00 268436.00 268436.00 268436.00 98136.00 98136.00 98136.00 98136.00 98136.00 98136.00 98136.00 366572.00 366572.00 366572.00 366572.00 366572.00 366572.00 937507.			2004128.00	2004128.00	2004128.00
Capital 98136.00 98136.00 98136.00 Total 366572.00 366572.00 366572.00 5 TSP 937507.00 937507.00 937507.00 Capital 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 B. Non-Recurring Contingencies 27357909.00 27357909.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -	4	SCSP			
Total 366572.00 366572.00 366572.00 5 TSP General 937507.00 937507.00 937507.00 Capital 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 Grand Total 27357909.00 27357909.00 27357909.00 B. Non-Recurring Contingencies 1 - 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND		General	268436.00	268436.00	268436.00
5 TSP 937507.00 937507.00 937507.00 Capital 1602860.00 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 B. Non-Recurring Contingencies 27357909.00 27357909.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -		Capital	98136.00	98136.00	98136.00
General 937507.00 937507.00 937507.00 Capital 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 Grand Total 27357909.00 27357909.00 B. Non-Recurring Contingencies 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -		Total	366572.00	366572.00	366572.00
Capital 1602860.00 1602860.00 1602860.00 Total 2540367.00 2540367.00 2540367.00 Grand Total 27357909.00 27357909.00 27357909.00 B. Non-Recurring Contingencies 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -	5	TSP			
Total 2540367.00 2540367.00 2540367.00 Grand Total 27357909.00 27357909.00 27357909.00 B. Non-Recurring Contingencies 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -		General	937507.00	937507.00	937507.00
Grand Total 27357909.00 27357909.00 27357909.00 B. Non-Recurring Contingencies 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -		Capital	1602860.00	1602860.00	1602860.00
B. Non-Recurring Contingencies 1 - 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND		Total	2540367.00	2540367.00	2540367.00
1 - 70000.00 70000.00 70000.00 TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND - - -		Grand Total	27357909.00	27357909.00	27357909.00
TOTAL (B) 70000.00 70000.00 70000.00 C. REVOLVING FUND	B. No	on-Recurring Contingencies			
C. REVOLVING FUND	1	-	70000.00	$70\overline{000.00}$	70000.00
			$70000.0\overline{0}$	$70000.0\overline{0}$	70000.00
GRAND TOTAL (A+B+C) 27427909.00 27427909.00 27427909.00	C. R	EVOLVING FUND	-	-	-
		GRAND TOTAL (A+B+C)	27427909.00	27427909.00	27427909.00

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 1st April of each year (Kind + cash)
2022	4128123.00	1223271.00	982935.00	4368459.00
2023	4368459.00	1625826.00	1005518.00	4988767.00
2024	4988767.00	1935085.00	1248542.00	5675310.00

- 7.6. i. **Number of SHGs formed by KVKs:** In Gumla district all the SHGs were formed by the JSLPS not by KVK. The role of KVK was to provide technical guidance to the SHGs during the reporting period.
 - (ii) Association of KVKs with SHGs (2024) formed by other organizations : 27

No. of SHGs associated with KVK (2023)	Bank Linkage (Yes/No)	Activities
27	Yes	 Lac cultivation, Bee keeping, Mustard and Mushroom cultivation Promotion of Medicinal Aromatic and NTFP Millet based food products Commercial vegetable and mango production Poultry Framing and Goat Farming

ii) Association of KVKs with SHGs formed by other organization indicating the area of SHGs activities

There were 27 SHGs associated with KVK Gumla which were formed by other agencies like JSLPS, PRADAN earlier and engaged in different activities after linking with KVK through training, demonstration, Gosthi, trials and input support during 2024-25. The details of SHGs activities are listed below:

SL	Activities	No. of SHG	Mode of Convergence	Village	Block
1	Millet Cultivation	4	Aspirational Block development Scheme	Icha,Lohri,Kura Pakadtoli, Chunderi	Ghaghra, Basia, Palkot,
2	Lac cultivation	02	ARYA	Kataidamar	Sisai
3	Bee Keeping	01	ARYA	Chainpur	Chainpur
4	Poultry Farming	01	ARYA	Borang	Bishunpur
5	Mushroom cultivation	04	JSLPS	Kharka,Role,Hetadar, Sarango,	Gumla, Ghaghra,Bishunpur
6	Commercial Vegetable and Mango production	8	NICRA	Shivrajpur, Belagarha, Langratanr	Ghaghra, Bishunpur
7	Millet based food products and value addition	5	JSLPS, FPO and DSW (District Social Welfare) Gumla	Gumla, Palkot, Bishunpur	Gumla, Palkot, Bishunpur
8	Goat Farming	2	ARYA	Sirkot, Ajiyatu	Ghaghra
	Total	27			

ii. Details of marketing channels created for the SHGs

SHG associated with KVK during 2024-25 in specific activities for which the KVK has created the market linkage with different processing units viz LAMPS Banari, Common Facility Centre, Vikas Bharti Bishunpur, Mahila mandal and Milinda group oil extracting centre established in NICRA cluster village Gunia and Jargatoli of Ghaghra block.

SHGs member are also linked with FPOs for backward and forward linkages with the help of line departments. For example, Mahila Vikas Mandal Baghima Palkot producer company Limited has established Ragi Processing Plant named "Johar millet café", with the support of Shri Sushant Gaurav (Deputy Commissioner, Gumla) under the supervision of JSLPS and technical guidance of KVK Gumla. Through convergence with district line department, SHGs were linked with the production of millet-based food products like ragi based laddu, cookies, nimki, cake and flour.

For smooth accessing the market channels / unit, KVK has organized a field programme and motivating the SHGs to participate in Kisan Mela, Saras Mela, Exhibition organized by state and national bodies for wider promotion and marketing of their produce.

Details of market available during 2024-25 for associated SHG and their commodities

SN	Commodity	Quantity	Access to processing/ sellers point	Value
		(in q)		(Rs. In lakh)
1	Lac	80	Lac purchasing centre developed under	48.00
			ARYA in Nagar (Sisai)	
2	Mustard	300	LAMPS, Milinda oil extracting centre &	18.00
			JSLPS	
3	Honey	45	Dabour, CFC Vikas Bharti Bishunpur	90.00
4	Mushroom	40	Local Market	8.00
5	Poultry	1200 pc	Local Market	2.8
6	Goat	14	Local Market	5.6
7	Millet based	120	Outlet (Johar millet café) at Gumla,	24.00
	food		Anganwadi Centre through DSW,Gumla,	
	products		watsapp online store	
	and value			
	added			
	products			
	Total	599 q		196.4
		and		
		1200 pc		

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activities	Season	With line department	With ATMA	With both
Training	01	18/12/2024	Horticulture		
Meeting	01	16/12/2024	Horticulture		
Meeting	01	02/02/2024			both
Rabi workshop	01	21/12/2024			Both
Meeting	01	31/01/2024			Both
Meeting	01	20/02/2024			Both
Meeting	01	28/02/2024			Both

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Training	675000.00	District Cooperative Office Gumla
2.	Training	75000.00	ATMA Lohardaga
3.	Training	58750.00	ATMA Palamu
4.	FLD	80000.00	AICRP Niger
5.	Training	24000.00	AICRP Niger
6.	Training, Awareness	550000.00	National Bee Board
7.	Establishment of Millet		
	Processing Centre	3612000.00	IIMR Hyderabad
	Total	5074750.00	

7.9 Resource Generation

S	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)
False smut	Paddy	17/10/2024 to	85	15-20	Sisai & Palkot
disease		12/11/2024			
Mango	Mango	12/02/2024 to	3500	40-45	Whole Gumla District
Hopper		3/03/2024			

8.2. Prevalent diseases in Livestock/Fishery:

Name of 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: NA

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

8.6 Details of 'Pre-Rabi Campaign' Programme

Date of No. of Union Ministers attended the	of s (I ajy ajy	MLAs Attended	Chairman ZilaPanch	Distt. Collector/	Bank Bank Officials	(.oo.)	Govt. Officials,	Total	Coverage by Door Darshan	
No No att	No. c MPs Ra Ra	MI	Chai ZilaF	r \	Ba	Farr	G. G.	To	S C	Coverage

8.7. Vikisit Viksit Bharat Sanklap Yatra:

Sl.	No of events attended	No. of Gram Panchayat covered	Total no of farmer participated	No of Lecture Delivered on Soil Health/ Natural Farming
1	44	44	9928	132

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
Jharkhand	Gumla	Resilient agriculture	04	56	Training and awareness about resilient agriculture

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)
04/03/2024	Mr. Kentaro Orita	Embassy of Japan	Excellent activities on the ground level
12/03/2024	Mr.Stayabrat Mehrotra		Good work
03/05/2024	Dr.Mohd.Hanif Mevati	Director, KVIC state office ,Ranchi	Activities and knowledge dissemination by KVK is commendable
14/06/2024	Mr. Satish Chandra	Advocate, Lucknow	Good approach of KVK to the farm families of hilly areas
5/10/2024	Mr. Gujjadi Parphakaran J.Nayak	C A Karnataka	Inspired by the activities of KVK Good impact on tribal people
19/10/2024	Dr.R K.Sinha	Ex. MP(Rajya Sabha)	Good interaction with farmers
25/10/2024	Mr. Santosh Pandey	Member of parliament	Working culture is very good
22/12/2024	Mr. Ravi Ranjan	AGM, Sail Ranchi	Remarkable work

8.10 Details of Scientific Advisory Committee (SAC) Meetings

Date: 22/12/23

No. of Participants: 67

S. No	Salient Recommendation	Action Taken	If not, State
			reason
1	Krishi Vigyan Kendra should provide	In accordance with the recommendation, 02 trainings on	
	support in the Sidho-Kanho forest	Beekeeping were organized among 205 participants	
	produce conservation awareness	through Vikas Bharti Bishunpur under Sidho kanho	
	programme	NTFP project for forest diversification through	
		inclusion of the honey bees (Apis mellifera) that are	
		found in forest and awareness programmme on	
		conservation of forest produce were also conducted with	
		the technical support of Krishi Vigyan Kendra Gumla.	
2	Canopy management of old orchards	In the light of the suggestion, Krishi Vigyan Kendra	
	should be Promoted	Gumla had provided training and awareness	
		programmes on promotion of canopy management	
		among 105 farmers of Kurag, Shivrajpur, Icha	
		(Ghaghara) and Salam (Bishunpur) villages. In 200 acre	
		canopy management has been done by the 55 farmers of	
		kurag and shivrajpur villagein in their orchards by	
		following all these steps that were learned during the	
		trainings.	

S. No	Salient Recommendation	Action Taken	If not, State reason
3	Spraying of pesticides should be done through drones in mango orchards.	During 2024, KVK demonstrated an Agri Drone in 117 acres, involving 111 farmers in the villages of Tilhaitoli, Khorajamtoli, Sehal Bansitoli, Belaghra, and Shivrajpur. The demonstration covered mustard (36.8 acres), watermelon (11 acres), and rice (25 acres), with nano urea, Sulphur and biofertilizer(jivamitra) applications.	
4	Farmers should be trained and prepared as master trainers in the field of horticulture crop production and animal husbandry.	Upon the initiative, this year one vocational training of 15 days was conducted on paravet and the number of participants were 16. The trainees were from blocks of Gumla, Chainpur, Raidih, Bishunpur, Basia, Kamdara, and Ghaghra. Among these trainees, 5 trainees were prepared as a master trainer of paravet and they are performing as a master trainer in the field of animal husbandry. In the field of horticulture crop production, 42 farmers were trained under rural youth training on orchard management and mali training. Among these trainees 15 trainees are well acquainted with this trainings and applied their knowledge in the fields. With the convergence of Mahashakti Mahila Vikas Samiti Gumla, ,Krishi Vigyan Kendra Gumla has also provided the training on cultivation of <i>Kharif</i> Potato (Variety- <i>Kufri chipsona-2</i>) to 80 PVTGs of Bishunpur block and 54 farmers of Udani and Majhgaon panchayat of Dumri Block especially of identified model village (Aurapaat) by NITI Ayog and also promoted <i>kharif</i> potato (Variety- <i>Kufri chipsona-2</i>) production in 80 acres through 400 farmers of paat area with the support of District Horticulture Department.	
5	In case of less rainfall, farmers should be trained to cultivate paddy through the aerobic method instead of transplanting paddy cultivation.	After the pre-monsoon season, KVK conducted seven training sessions on Aerobic Rice Cultivation in the villages (07 no.) of Majhatoli, Sursang, Bishunpur, Kharka, Panso, Keradhi, and Luru. Additionally, KVK promoted Aerobic rice cultivation technology among FPO members in Gumla and Raidih, covering approximately 165 acres. Furthermore, KVK conducted a Frontline Demonstration (FLD) on DSR in one acre in Manjira. Village of Bishunpur. With the convergence of ATMA, the DSR and Aerobic method were also popularized in 400 acres in Chainpur, Dumri, and Jaari Block.	
6	Instead of five composite fish, farmers should be trained to rear three types of fish: grass carp, common carp, and silver carp, which will bring more profits to the farmers.	To increase the income of farmers through the venture of fish farming, The KVK Gumla had provided five days training on fish farming to 20 farmers and motivated to 10 farmers who were having ponds for adopting the fish farming at personal level. They were provided 30 kg fingerlings under FLD. In lieu of this, 1.8 cr fingerlings of grass carp and common carp were also provided among 11 farmers through Mega water shed project of Vikas Bharti in Bishunpur block with the technical guidance of Krishi Vigyan Kendra Gumla.	
7	Promotion of millets cultivation should be done.	In the light of the suggestion, Ragi cultivation (variety-GPU 28 and BM 3) has been promoted in 12000 hactares in Gumla district through District Administration and progressive farmers at their own level. The center has also conducted front line demonstration on Ragi, variety-GPU 28 among 82 in 16	

S. No	Salient Recommendation	Action Taken	If not, State reason
		hactares in villages like Fori, Kotam, Kura Pakadtoli, Dorangdih and Lohri of Gumla District. For value chain development and marketing of millet and its products JSLPS and other departments, agencies are involved in promoting FPOs and SHGs with an objective to enhance the income of SHGs through millet processing. Mahila Vikas Mandal Farmer Producer Company Baghima Palkot is a good example of promotion of millet and its processed products in a district.	
8	Promote the cultivation of turmeric as intercropping in mango orchards.	The Center has promoted the cultivation of turmeric as an intercropping in mango orchards in 5 acres land in Teliya, Shivrajpur and Icha villages among 10 framers through On Farm Trials.	
9	KVKs should organize training on the INM subject.	In light of the suggestion, the center has conducted two trainings of fifteen days certificate course on INM for upliftment of Rural Youth and fertilizer dealer in the month of June and September among 79 participants. Among 79 participants, 61 participants were from Gumla district and remaining 18 participants were from 10 districts namely Gumla, Latehar, Ranchi, Koderma, West Singhbhoomi, Plamu, Gharwa, Deogarh, Bokaro, Giridih through Common Service Center of the Jharkhand state.	
10	Efforts should be made to stop migration.	Towards this recommendation, Under the ICAR-ARYA (Attracting and Retaining Youth in Agriculture) Project 2024, KVK provided training to school dropout youths in Pig Farming (75 no), Goat Farming (61 no), Lac Cultivation (52 no), and Beekeeping (22 no). As a result, entrepreneurial units were successfully established, including 7 units of Pig Farming, 12 units of Goat Farming, 16 units of Lac Cultivation, and 03 units of Beekeeping. They are earning average net income per unit per year was Rs. 3.85 lakhs from Pig Farming, Rs 1.75 lakhs from Goat Farming, Rs.1.66 lakhs from Lac Cultivation, and Rs 0.92 lakhs from Beekeeping. The objective of these trainings was not only to increase the income but also to check the migration of farmers by engaging them in entrepreneurial activities.	
12	Training on poultry hatchery management should be organized for the youth, and after training, a visit should be made to BAU.	The center has organized 02 off campus training on poultry hatchery management among 40 farmers and provided 03 poultry hatchery machines to 03 SHGs in villages like Borang Shivrajpur, and Jargatoli for larger extension of poultry unit. Regular follow up of hatchery unit were also conducted by KVK scientists.	
13	To ensure the availability of improved breed of pigs in the district, farmers should be developed as breeders.	Persuant to suggestions, the center is working on entrepreneurial development of youth by engaging them in rearing of improved breed of pigs as an enterprise under ARYA project. Regarding breed improvement of pigs the center has provided piglets of Jharsuk breed (1 male and 2 female) to the farmers under FLD in villages like Ratantoli (Dumri), Karamtoli (Gumla), Jairagi (Dumri), Tapkara(Palkot) and Sato(Bishunpur). The main purpose of this demonstration was to establish quality piglet breed (Jharsuk) production center in pigs. More than 200 farmers are benefited with this enterprise	

S. No	Salient Recommendation	Action Taken	If not, State
			reason
		through ARYA project and getting income in tuning of	
		1.5 to 3.8 lakh per annum.	
14	The nutritive value of traditional aromatic	In light of this, the center has already collected 02	
	paddy variety of paddy has to be	samples of traditional varieties like Kalajeera, and	
	examined.	Jeeraful, for nutritional analysis which will be carried	
		out in coming year. However, in 2018 nutritional	
		profiling of different varities of paddy like Bacchha	
		dhan, Dahiya, Tenchun, Naniha and Lalat were carried	
1.5		out from BIT Mesra Ranchi.	
15	There should be a publicity division in	Publicity division has been established for printing and	
	KVK.	publishing of publication at the Center.	
16	The sunflower project has to be promoted.	For promotion of Sunflower in Gumla district, the	
		sunflower seeds (variety -LSFH -171) were	
		demonstrated among 104 farmers from 5 blocks (Sisai,	
		Ghagara, Gumla, Raidih and Bishunpur) in 20 hactares	
		under CFLD and their result was highly impressive	
1.7	MCII TOD 1	(Avg. yield 12.05 q/ha)	
17	Millet processing plant from TSP can be	In light of the suggestion, the center has received	
	provided to SHG	amount Rs.36.12 lakh for establishment of project on "Millet Technology and Promotion Center" (FY 2024-	
		25) at Krishi Vigyan Kendra Gumla, Vikas Bharti	
		Bishunpur through ICAR-IIMR Hyderabad for the	
		promotion of millet through processing of primary and	
		secondary products with the participation of SHGs and	
		FPOs for increasing their income through creating value	
		chain development in millet and its processing.	

Details of other meeting related to ATARI

Date	Type of Meeting	Agenda	Representative from ATARI
03/01/24	Online	Review meeting under the STC project	
09/01/24	Online	TDC NICRA review meeting	
11/01/24	Online	Financial review meeting of KVKs	
18/01/24	Online	Financial review meeting of ARYA &	
		FFP projects	
23/01/24	Online	LDS Pulse Survey Review-Bihar &	
		Jharkhand	
29/01/24	Online	Financial review meeting	
6/2/25	Online	Review meeting	
09-	Physical	Financial review meeting	
10/02/24			
16/02/24	Online	Preparation of ARYA Annual	
		Workshop	
27/02/24	Online	Review meeting of budget utilization	
28/02/24	Online	Review meeting of PPV & FRA	
		PROGRAM	
29/02/24	Online	Meeting with Implementing Agencies	
11/03/24	Online	Financial review meeting	
13/03/24	Online	Review of budget meeting	
27/03/24	Online	Review of expenditure of ATARI-Patna	
		and KVKs	
04/04/24	Online	Meeting with Implementing Agencies	
		for onboarding on Krishi Mapper ap	
08/04/24	Online	NICRA Data recording review meeting	
12/04/24	Online	Meeting on Ecoregional programm	

Date	Type of Meeting	Agenda	Representative from ATARI
16/04/24	Online	Viksit Bharat meeting	
16/04/24	Online	Review Meeting	
19/04/24	Online	Review Meeting	
01/05/24	Online	Viksit Bharat meeting (Horticulture	
01/00/21		Crops)	
03/05/24	Online	Review Meeting of KVKs	
15/05/24	Online	meeting on CFLDs and Krishi Mapper	
		App	
21/05/24	Online	NICRA review meeting	
29/05/24	Online	Review of RKVY STT and RPL	
29/05/24	Online	Meeting of review and discussion on	
		the CSS Formation and Promotion of	
		10,000 FPOs	
30/05/24	Online	Viksit Bharat Meeting (Fisheries	
		Science)	
30/05/24	Online	Review meeting of CFLD Oilseed	
		model village	
07/06/24	Online	Review Meeting of KVKs	
15/06/24	Online	Review meeting of KVKs	
20/06/24	Online	2nd round of Review Meeting of ICAR	
		Institutes	
28/06/24	Online	Meeting with National Level Agencies/	
		Bamboo Technology Support Group	
		(NLAs/BTSG) regarding the new	
		procedure of Central SNA for fund	
		release in year 2024-2025	
03/07/24	Online	Review meeting of 100 days action plan	
26/07/24	Online	Mapping of Saving Accounts of KVKs	
		under code Krishonnati Yojana-	
20/07/24	0.1	4138code	
30/07/24	Online	Review meeting of KVKs	
09/08/24	Online	National bamboo mission project fund	
		new procedure of central SNA for fund release	
14/08/24	Online	100 days action plan	
14/08/24	Online	Preparatory meeting MoA&FW's "Ek	
14/06/24	Offiffic	Ped Maa Ke Naam" plantation event on	
		21st August 2024	
16/08/24	Online	Review of ATARI Foundation day	
10,00,21		preparation	
28/08/24	Online	100 days action plan of KVKs	
19/08/24	Online	celebration of ICAR-ATARI Patna	
		Foundation Day function at KVKs	
20/08/24	Online	100 days action plan review meeting	
29/08/24	Online	Inaugural and hands-on training	
		of Annual Zonal Workshop of ATARI,	
		Zone-IV	
10/09/24	Online	KVK Review meeting	
12/09/24	Online	CFLD oilseeds and pulses	
13/09/24	Online	Swachhata Hi Sewa	
17/09/24	Online	Meeting of NGO President/ Secretary	Under the chairmanship of
		and KVK Heads	Secretary, DARE and DG, ICAR
			at the Conference Hall, NASC,
			New Delhi

Date	Type of Meeting	Agenda	Representative from ATARI
17/09/24	Online	Swachhata Pledge	
18/09/24	Online	RY meeting	
24/09/24	Online	KVK Review meeting	
03/10/24	Online	100 days achievement & other issues of	
		KVKs	
22/10/24	Online	Financial Management of CFLD	
06/11/24	Online	Urgent meeting	
07/11/24	Online	Feedback of KVKs on status of	
		fertilizers, Nano urea and liquid DAP	
11/11/24	Online	Convergence platform meeting of	
		CSISA Project	
12/11/24	Online	CFLD Oilseed and Pulses	
		implementation & Fund utilization	
26/11/24	Online	Review meeting of TDC-NICRA	
13/12/24	Online	Review of KVK	
17/12/24	Online	Financial issue & progress of CFLD	
		programme	

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

Type of attachment	No of student trained	No of days stayed
Village attachment training	01	12th June to 16th July 2024 (30 days)
under RAWE		

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

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

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

Season	Village Covered (no.)	Block Covered (no.)	District Covered (No.)	Respondent (no.)	Trial Name	Area covered (ha)	Name of Crop	Technology Options	Variety name	Duration (Days)	Sowing date	Harvesting date	Days of Maturity	Grain Yield (q/ha)	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
	40	05	01															

NOTE: - Survey work done among 400 farmers in pulses crop

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	127	3675			
b.	Women	01	19			
c.	Rural Youths	32	610			
d.	Extension Personnel	04	108			
2)	OFT	No. of OFTs	No. of beneficiaries			
		13	172			
3)	FLD	No. of FLDs	No. of beneficiaries			
		2335	2687			
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries			
		94	62505			
5)	Other activities					
a.	Participants in extension activities (No.)		20589			
b.	Production of seed (q)		133.29			
c.	Production of Planting material (No. in lakh)		0.3217			
d.	Production of Livestock strains (No. in lakh)		0.00655			
e.	Production of fingerlings (No. in lakh)		0			
f.	Testing of Soil, water, plant, manures samples (Nos.)		1943			
g.	Asset creation (Mango plant, Cerate, Pump, Gootur		1.422			
	Pump, Irrigation delivery pipe, .)	1433				
h.	No. of other programmes oraginsed (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	742				

b. Fund received under TSP in 2024-25 (Rs. In lakh): 29.50

c. Achievements of physical outcome under TSP during 2024

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	74
2	Change in family consumption level	%	83
3	Change in availability of agricultural implements/ tools etc.	No. per household	05

d. Location and Beneficiary Details during 2024

District	Sub- district	No. of Village	Name of village(s) covered		populat penefitted (No.)	
		covered			F	T
Gumla	Gumla	178	Chota ajiyatu, Mayel, Rol, Tapkara, Semla bertoli, Echa, Luto bertoli, Kasitoli, Kharka, Pora, Sehal bansitoli, Sammal, Tengariya chainpur, Telya, Lalpur Ghutti, Sirkot, Shivrajpur, Sursang, Tulmanga, Kasra, Leha, Chameli, Lpsar, Konatoli, Samdega, Harsari, Dhobari, Rehe, Jarda, Nagar, Burhu, Serka, Sarango, Karondi, Tirra, Chatam, Khorajamtoli, Bangarulolotoli, Katkaya, Ramja, Sugakanta, Kobja, Gunia, Khambhiya, Belagara, Sarnatoli, Banalat, Jehangutwa, Kurag, Kugawn, Panso, Hapamuni, Beti, Angloya, Orya, Parsa, Bhadauli, Chainpur, Helta, Chirodih, Ghaghra, Banari, Bishunpur. Nirasi, Etam, Konaskeli, Bargawn, Dalmati, Naro, Kochedega, Kadamdih, Hutar, Chapatoli, Konbir, Sakarpur, Hurhuriya, Dumari, Majhgawn, Nawadih, Gumla, Dardag, Cheda, Mahuatoli, Manjira, Makra, Dhobani, Baniadih, Chapka, Jori, Melwadih, Nathpur, Tangar sikwar, Didhauli, Bimarla, Mentgara, Jamira, Kundari, Bhandartoli, Thithaitangar, Kataidamar, Charbhaiya, Jampani, Sirkot, Adar, Karakel, Tetra, Majhkera, Jakuatoli, Gondarotoli, Badri, Moreng, Hadup, Kechki, Langratand, Barkadohar, Sato, Jahup, Urmi, Phori, Belgaon, Ataria, Kolambi, Haslata, Kutua, Soso, Murkunda, Kasira, Balatu, Jamti, Ratan toil, Kokotoli, Salam, Jargatoli, Sarnatoli, Halmati, Nawatoli, Totambi, Semra Lamati, Gara, Surhu, Turiamba, Khartanga, Dewaki, Nawadih, Kotam, Jairagi, Ratantoli, Gutwapani, Karamtoli, Samdari	M 12572	10518	23090

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement				
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries			
a.	Farmer	01	22			
b.	Women					
c.	Rural Youths	01	25			
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)					
FTSP	Testing of Soil, water, plant, manures samples (Nos.)					

11.4. NICRA (Technology Demonstration component) Overall achievements

	NRM		Crop produ	ction	on Livestock & Fisheries Capacity Building		on Livestock & Fisheric		¥ •		Extens Activit	
Name of KVK	Demonstr ations	Are a (ha)	Demonstra tions	Area (ha)	Demonstrati ons					No. of programm es	Farme rs	
Zone IV												
Gumla	155	62	433	173.2	221	1	1130	14	357	07	126	

Basic Information

KVKs Na	ame		Districts	data		NICRA Adopted village							
		RF (mr	n) district	.	erature C	Dry spell/ drought			Intensive rain >60	Flo	od		
		Normal	Received	Max.	Min.	> 10	> 15	> 20	mm	Water	Duration		
						days	days	days		depth (cm)	(days)		
Gumla	ı	1100	1189.20	36.40	1.6	ı	01	-	-	NA	NA		
	•				·								

Performances of demonstration of in-situ moisture conservation technologies

1 CI IOI III ali	errormances of demonstration of in situ moisture conservation technologies										
FST type	Crop / season (name)	Technology demonstrated	No. of	Area	Yield (q/	Economi	Economics of				
			farmers	(ha)/	ha)	demonstr	demonstration (Rs/ha)				
				Unit		Gross	Net	BCR			
						Cost	Return				
FST 4	Mango/Summer	Mulching with paddy straw	16	6.5	28.5	18000	456000	3.11			
FST2	Paddy/Kharif	Summer plunging	25	8.5	33.80	33600	44140	2.31			
FST2	Paddy/Kharif	Field bunding	32	20.0	29.70	32500	35810	2.10			

Performances of water harvesting and recycling for supplemental irrigation

FST type	Crop / season	Technology demonstrated	No. of	Area	Yield	Econom	Economics of		
	(name)		farmers	(ha)/	(q/ha)	demonst	demonstration (Rs/ha)		
				Unit		Gross	Net	BCR	
						Cost	Return		
FST2	Paddy/Kharif	Water harvesting structure (Pond)	15	6	34.40	35200	43920	2.24	

Performance of ZTD in various crops

FST type	Crop / season (name)	Technology demonstrated	No. of	Area	Yield	Econon	Economics of	
			farmers	(ha)	(q/ha)	demons	demonstration (Rs./ha)	
						Gross	Net	BCR
						Cost	Return	
FST4	Lentil/Rabi	Short duration lentil variety IPL-220	03	01	12.80	28600	53640	2.87

Performance of artificial ground water recharge technologies demonstrated

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

Performance of different water saving irrigation methods

FST type	Crop / season	Technology demonstrated	No. of	Area	Yield	Economi	Economics of		
	(name)		farmers	(ha)/	(q/ha)	demonst	demonstration (Rs/ha)		
				Unit		Gross	Net	BCR	
						Cost	Return		
FST-4	Pea /Rabi	Irrigation through Drip	12	10	64.60	58000	71200	2.22	
		irrigation			Green				
					pod				

Rainwater harvesting structures developed

New(Nos.)	Renovated(Nos.)	Total	Storage capacity (cu m)	Protective irrigation potential (ha)	Cropping Intensity (%) increase
-	01	01	60000	12	40

Performance of different trough tolerant varieties

FST	Crop / season (name)	Technology	No.	Area(ha)/Unit	Yield	Economi	Economics of demonstration			
type	erep / seusen (nume)	demonstrated	of	11100(110)/ 01110	(q/ha)	20010111	(Rs/ha)			
			farmers			Gross	Net	BCR		
						Cost	Return			
	Paddy/Kharif	Improve variety	25	20	39.02	38800	50746	2.31		
		Swarna shreya								
	Ragi/Kharif	Improve variety BM-3	41	10	14.57	24000	38505	2.60		
	Blackgram/Kharif	Improve variety PU-	24	6.0	11.52	26300	58948	3.24		
FST2	_	31								
	Redgram/Kharif	Improve variety	07	1.0	12.68	34060	54700	2.60		
	(2023)	Rajeev Lochan								
	Redgram/Kharif	Improve variety	27	7.5		Flowering stage				
	(2024)	Rajeev Lochan								

Performance of different short duration rice varieties

FST type	Crop / season (name)	Technology	No. of	Area(ha)/Unit	Yield	Ec	Economics of	
		demonstrated	farmers		(q/ha)	demonstration(Rs/ha)		s/ha)
						Gross	Net	BCR
						Cost	Return	
FST-4	Greengram/Rabi	Improve variety IPM	09	6.0	11.60	28800	70472	3.02
		2-3						

Performance of different flood tolerant varieties NA

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

Performance of advancement of planting dates in different crops

FST type	Crop / season	Technology	No.of	Area(ha)/Unit	Yield	Economics of demonstration (Rs/ha)			
ТЭТ сурс	(name)	demonstrated	farmers	Area(na)/ ome	(q/ha)	Gross Cost	Net Return	BCR	
	Mustard/Rabi 2024	Improve variety PM-30	17	5.60	17.20	41560	55620	2.34	
FST4	Wheat /Rabi 2024	Improve variety SabourNirjal	12	3.00	33.68	32200	44422	2.38	
	Wheat /Rabi	Improve variety	03	0.60	37.00	35200	48975	2.39	

ECT true	Crop / season	Technology	No.of	Amaa(ha)/IImit	Yield	Economi	cs of demonst (Rs/ha)	ration
FST type	(name)	demonstrated	farmers	Area(ha)/Unit	(q/ha)	Gross Cost	Net Return	BCR
	2024	DBW-252						
	Wheat /Rabi 2024	Improve variety HD-2967	04	1.20	34.40	35200	43060	2.22
	Lentil /Rabi 2024	Improve variety IPL-220	03	1.00	12.80	28600	53640	2.87
	Okra /Summer 2024	Improve variety Anukranti	15	3.00	185.60	47400	137800	3.91
	Linseed /Rabi 2024	Improve variety Birsa Tisi-2	08	2.00	10.80	26800	38000	2.41
	Mustard/Rabi 2025	Improve variety BBM-3	87	29.20		Floweri	ng stage	
	Wheat/Rabi 2025	Improve variety DBW- 187	13	5.20		Growt	h stage	
	Wheat/Rabi 2025	Improve variety DBW- 187	12	2.00		Growth stage Growth stage		
	Lentil/Rabi 2025	Improve variety IPL- 220	13	2.00				
	Linseed/rabi 2025	Improve variety Divya	11	2.00				
				56.8				

Performances of water saving technologies for rice cultivation

FST type	Crop / season	Technology	No.of	Area(ha)/Unit	Yield	Ec	onomics o	f
	(name)	demonstrated	farmers		(q/ha))	demonstration(Rs/		s/ha)
						Gross	Net	BCR
						Cost	Return	
FST2	Paddy/Kharif	Aerobic rice	03	1.0	30.10			2.30

Integration of cropping system with other farming

FST type	Crop / season (name)	Fodder quantity (dry/	No.of	Area(ha)/Unit	Yield	% of reduced fodder
		green) utilized for	farmers		(q/ha))	purchase from outside
		livestock				
FST2		-	-	-		-
FST4						-

Performance of Community nurseries

FST type	Crop / season	Technology	No.of farmers	Area(ha)	Coverage	Economics of	f demonstration	(Rs/ha)
	(name)	demonstrated			area (ha)	CoC of	oC of NR from	
						nursery	nursery	
FST2	Ragi/Kharif	Community	41	1	10	31670	6334	1.20
	Paddy	nursery	25	2	20	37170	6319	1.17

Performance of different location specific intercropping systems

1 el foi mance	or uniterent location sp	secure intercrupping s	ystems					
FST type	Crop / season	Technology	No.of	Area(ha)/	Yield	Economics o	f demonstrat	ion(Rs/ha)
	(name)	demonstrated	farmers	Unit	(q/ha)	Gross Cost	Net	BCR
							Return	
FST2	Groundnut+Red	Inter cropping	08	2.0	22.33	45000	96760	3.15
	gram 2024	Groundnut+Red						
	/Rabi	gram 2024						
		/Rabi						
FST4	Mango+Mustar	Mango+Mustar	20	6.3	20.00	37600	71400	2.89
	d /2024/Rabi	d /2024/Rabi						

Performance of different crop diversification in NICRA villages

FST type	Crop / season (name)	Technology demonstrated	No.of	Area(ha)	Yield	Е	conomics of	
• •	•		farmers		(q/ha)	demo	onstration(Rs/l	na)
						Gross	Net	BCR
						Cost	Return	
	Pea/ rabi 2024	Improve variety (GS-	12	10	73.6	58000	89200	2.54
		10)						
	Watermelon/Summer	Improve variety (Sugar	09	12	275.0	73600	165000	2.24
FST4	2024	queen)						
F514	Pea/ rabi 2025	Improve variety (GS-	08	06	Pod formation stage			
		10)						
	Watermelon/Summer	Improve variety (Sugar	10	11	Growth stage			
	2024	queen)						

Performance of other demonstration

I ci ioi inance oi otne	1 demonstration							
FST type	Crop / season	Technology	No.of	Area(ha)/Unit	Yield	Ec	Economics of	
	(name)	demonstrated	farmers		(q/ha)	demonstration(Rs/h		s/ha)
						Gross	Net	BCR
						Cost	Return	
FST2	Paddy/Kharif	Application of Nano urea through Kisan Drone	14	16.6	39.85	38625	53030	2.37

Performance of different fodder demonstration in community lands

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

Performance of improved fodder

FST type	Crop / season	Technology	No.of	Area(ha)/Unit	Yield	Ec	onomics o	f
	(name)	demonstrated	farmers		(q/ha)	demonstration(Rs/l		s/ha)
						Gross	Net	BCR
						Cost	Return	
FST2	Maize/Kharif	Improve fodder	10	1.0	220	24000	64000	3.66
		production (J1006)						

Performance of various vaccination camps organized

	FST	Type of	Technology demonstrated	No. of farmers	No. of animal			
		animal and		covered	covered	Less	Heifer	Adult
		Month				1 yr		
						calf		
Ī	FST-2	Cow /June	FMD& PPR	60	350	120	83	147

For Goat/ sheep/ pig

FST	Type of	Technology demonstrated	No.of farmers	No.of			
	animal and		covered	animal	Kid	Buck	Doe
	Month			covered			
FST2	June	PPR	75	312	81	65	166

For poultry

r or pourtry							
FST	Type of	Technology demonstrated	No.of farmers	No.of			
	animal and		covered	animal	Chick	Growin	> 20
	Month			covered	(<9	g	weeks
					weeks)	chicke	
						ns (9-	
						20	
						week)	
FST2	Poultry/Oct	Ranikhet disease	45	452	80	60	312

Performance of fish in the ponds/ water bodies

FST	Fish species	Technology demonstrated with dose rate	No.of farmers	Area(ha) /Unit	Fish yield		Economics of demonstration(Rs/ha)	
					(q/ha)	CoC	NR	BCR
FST 2	Composite fish	Cleaning and fingerlings	4	1.0	36.20	3750	68650	1.93
						0		

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

- 0									
	FST type	Animal / season	Technology	No.of	No. of	Milk	Ec	onomics o	f
		(name)	demonstrated	farmers	animals/	yield	demon	stration(R	s/ha)
					unit	(liters/	Gross	Net	BCR
						lactation)	Cost	Return	
	FST2	Cow	Fodder management	10	20	480	11000	13000	2.17

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

		n i i i cita i a a o peca i i i i a ges	(= = = = = = = = = = = = = = = = = = =					
FST type	Animal / season	Technology	No.of	No. of	Body]	Economics	of
	(name)	demonstrated	farmers	animals/	wt. (Kg/	demo	onstration(Rs/ha)
				unit	animal)	Gros	Net	BCR
						sCost	Return	

Performance of livestock demonstration in NICRA adopted villages (poultry)

	FST type	Birds / season	Technology	No.of farmers	No. of birds/	Body wt. (Kg/	den	Economics nonstration(l	
		(variety/breed)	demonstrated		unit	bird)	Gross Cost	Net Return	BCR
	FST2	Poultry/Sonali Rabi 2024	Improve breed	10	20/unit	1.80/bird & 142 egg	335	1247	4.42
•	FST2	Duck/Khaki Campbell/Rabi 2024	Improve breed	10	20/unit	1.70/bird & 235 eggs	300	1940	7.47

Performance of improved shelters for poultry and dairy animals

FST				Surviv	al rate			Economic	s (Rs./ha))
		No. of	Demo.	Demo	Local	%	Gross	Gross	Net	BCR
	Technology	farmers	Unit			Increase	Cost	Return	Return	
	demonstrated		size			in				
			(No.)			survival				
-	-	-	-	-	-	1	ı	-	-	-

INSTITUTIONAL INTERVENTION

Name Of	Seed b	ank	Fodder bank			
KVK	Crop with variety	Quantity in (q)	Fodder crop with variety	Quantity in (q)		
Gumla	Paddy /Swrnashreya	164	Paddy straw	1000		
	Blackgram/PU-31	37	Maize /J1006	220		
	Ragi /BM-3	13	-	-		

Revenue generated through Custom Hiring Centres and VCRMC in KVKs

Name of KVK	Revenue Generated(Rs.)			
	From Custom Hiring Centres (2024-25)	Total under VCRMC		
	Rotavetor	1200.00		
Comb	Portable rice thresher	500.00		
Gumla	Hatchery unit	500.00		
	Maize thresher	4500.00		
Total an	Total amount in VCRMC (2024)			

Extension Activities

	Number of Programmes	No. of beneficiaries		
Name of the activity		Male	Female	Total
Field days	03	26	32	58
KisanGosthi	01	12	26	38
Agriculture Drone Technology Demonstration	02	8	06	14
Exposure Visit	01	10	06	16

Soil Health Card prepared and distributed

KVK	No.of soil samples collected	No. of samples analyzed	SHC issued	No.of farmers benefitted
_	-	-	_	-

ConvergencePrograme

8	0		
KVK	Development Scheme/ Programme	Nature of work	Amount(Rs.)
Gumla	MGNREGA	Pond renovation	1800000

Dignitaries visited NICRA Villages

NameofKVK	NameofVIPs/Experts	Dateofvisit
Gumla	BDO Ghaghra	
	Team of District administration	

Newspaper Coverage



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

- Impact of Frontline Demonstration on varietal evaluation on Wheat (*Triticum astivum*) under limited irrigation in midland of Gumla (Jharkhand).
- Capital formation through Technology Integrated Approaches for Tribal Communities: A Pragmatic Analysis.
- ➤ Productivity trends of the rapeseed-mustard in Eastern Plateau and hill Region.

Book

- > Promising Climate resilient Technologies for Jharkhand
- ➤ NICRA Annual Report 2023-24

Success Stories

1	Name	:	First name: Manju	
			Middle Name:	
			Surname: Oraon	
2	Postal address	:	W/O- Shri Lalmohan Oraon Village – Shivrajpur Block- Ghaghra Phone:	Mobile: 9835703602
3	Home town	:	Village: Shivrajpur Block: Ghaghra	District: Gumla State: Jharkhand
4	Age	:	42	
5	Education	:	8 th	

6	Land holding (acres)	:	Irrigated: 05		Rainfed: 04		
7	Farming experience	:	Crops grown:	Area (acres)	Productivity (kg/acre)		
			1 Paddy	06	1346 (33.46 q/ha)		
			2 Blackgram	01	440 (11.0 q/ha)		
			3 Ragi	01	480 (12 q/ha)		
			4 Mustard	02	520 (13 q/ha)		
			5 Wheat	01	800 (32 q/ha)		
			6. Garden pea	02	3400 (85 q/ha)		
			7 Mango	01	80-90 kg/plant (85 q/ha)		
			Orchard				
			Livestock (no.): 08 Poultry (no.): 150				
			Small ruminants (no.): 12 Farm machinery available:				
					1. Water delivery pipe		
					2. Spray Machine		
					3. Cono weeder		
0	T'AA D'EN	<u> </u>	T •4 4 *	4.	4. Winnowing Fan		
8	List the Rainfed/	:	In situ water har	rvesting:			
	Innovative farming		a. Mulching				
	technologies adopted		b. Farm Bunding	Mathad			
			c. Check Basing				
			Ex-situ water harvesting: a. Pond				
			b. 5% model				
			c. Canal				
			Improved variet	ies:			
			a. Paddy – Sahbhagi Dhan, Swarna Shreya, CR-310				
			b. Blackgram-PU-31				
			c. Ragi-BM-3				
			d. Wheat- Sabour Nirjal, K-9107, Birsa Gehun-4				
			e. Mustard-PM-30				
			f. Garden pea – G-10				
			Farm machinery usage:				
			a. Rotavator				
			b. Cultivator				
			c. Multicrop Thresher				
			d. Solar based water delivery pump				
		e. Tractor					
9	Dagognition	<u> </u>	f. Agri Drone	Kandra Carala			
9	Recognition Certificates, awards	:	 Krishi Vigyan Vikas Bharti B 				
	etc. already recieved)		3. PRADAN	isnunpur anu			
	Received from (Name		J. I KADAN				
	of the organization)						
10	Description of	:					
	innovation/ adopted		Mrs. Manju Devi is a 42 year young lady residing in village				
	technologies -Farm /				ving 03 children. Mrs. Manju Devi		
	Climate resilient		is a innovative farmer. She is always in search of new farming				
	practices		technologies which is resilient in nature and maximising productivity				
	(1 or 2 practices)		and income as well as provided empowerment opportunity. As her				
			family engaged in farming since very beginning and cultivated Paddy,				
			Blackgram, Ragi	, Wheat, Mustaro	d and Garden pea. And getting net		

Describe in not more
than 100 words and
attach separately/
photo of the
innovation/adopted
technology)

income of Rs. 75000-85000 per annum. She wants to enhance their income more than 1.5 lakh per annum and accordingly she has started to know about the new agricultural technology. As she has realised the importance of resilient technology by seeing her relatives farming in old NICRA Village Gunia, Where KVK Gumla has implemented NICRA project since 2011-12. She Came in Contact to KVK When KVK has selected her village in Phase-III for implementation of NICRA project. She has imparted training programme on Crop production technology, Mango orchard management and Backyard poultry farming. After getting the training she uses drought tolerant rice variety Sahbhagi dhan, Swarna Shreya and CR dhan-310 and succeeded in getting 31-36 q/ha yield respectively. She also applied Canopy management in her 01 acre Mango orchard and getting 80-90 kg mango fruit per plant where earlier she has getting only 35-40 kg/plant. In ragi she uses variety BM-3 and getting 12 q/ha yield where earlier she had harvested only 8-10 g/ha.

Mrs. Manju Devi is also doing Backyard poultry farming on her homestead with 150 no. of poultry birds of Desi breed. Through this intervention she was getting net income of Rs. 36000-45000 per lot but she realised that the income earned from Backyard poultry farming is not much enough. So she started to take this Backyard poultry farming as a venture for more income generation and resiliency during crop failure.

11 Process of innovation/ Adoption

(Describe in not more than 100 words)

By seeing her effort KVK has provided one poultry hatchery unit with capacity of 112 eggs to produce the market demanded breed Sonali, Jharshim and Divyayan. Hatchery unit has been installed in participatory mode as she has installed inverter at own level. The purpose of installation of inverter was for power backup during electricity supply failure. By this way she has succeeding in producing healthy and good quality poultry chicks with 85-90 percent success rate. Through this innovative approach she has succeeded in saving Rs. 25-30 rupees per chicks and getting additional income of Rs. 25000 per annum by producing poultry chick's bird.

12 Practical utility of the innovation/adoption of technology

(Benefitsyeild/income/resource conservation etc.,)

Innovation of Poultry hatchery unit not only enhances her income but she has succeeded in fulfilling her need-based chicks demand to other Backyard poultry farmer's.

Integration of Backyard poultry farming and application of resilient crop varieties, method of sowing, crop management practices, canopy management in mango orchard. She has succeeded in earning of more than 1.5 lakh per annum instead of Rs 80000 per annum from her 9 acre of land. The 87 percent income enhancement is observed only by the application of resilient technological intervention and proper guidance of KVK.

13 Impact of innovation on other farmers (Quantify in terms of no. of other farmers

By seeing the farming approaches of Mrs. Manju Devi other farmers of the village Shivrajpur and adjoining villages of Sarnatoli came in contact with Manju Devi and learned the process of innovation and approaches and decided to do farming with proper knowledge and information as Mrs. Manju Devi has applied. Her success has inspired

14	Any other information pertaining to innovation/adoption of the technology not covered above	:	15 no. of youth farmers in which 06 women and 09 men to start Backyard poultry farming in their homestead with more than 200 no of poultry chicks of sonali breed with uses of resilient crop and orchard management technology in their farm. Now all of them are practicing Backyard poultry farming as a Innovative venture for regular income generation. In addition to usual crop husbandry practices, they have succeeded in earning of Rs. 1 lakh to 2 lakh per annum and they are very happy and leading a quality livelihood and providing better education to their children. All 15 number of Backyard poultry growers and Mango growers formed a Farmers Interest Group on small level to facilitate the market for better income and to free from middle man. Mrs. Manju Devi's initiative is not only inspiring the other fellow farmers but for farming community also.
15	Any other institutions related to Support of KVK	:	KVK Gumla has provided technical guidance and clinical services on regular basis to all participant farmer's. And also supporting in supply of demand driven poultry chicks on time with close monitoring.
16	Spread of the technology		Resilient Integrated farming technologies approached adopted by the Shivrajpur village's lead by Mrs. Manju Devi has been spread in 05 to 06 villages. Farmers of the adopted village are getting resilient crop varieties seed under seed exchange process and also poultry chicks by Mrs. Manju Devi and fellow farmers.

Name of PI & Co-PI List

Name of KVK	Name of PI	Name Of Co PI			
Gumla	Dr Sanjay Kumar	Atal Bihari Tiwari			

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

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category				
				Male	Female	General	ОВС	ST	sc	
01	Resilient production technology of blackgram	01/07/2024 03/07/2024	01	17	06	0	03	20	0	
02	Resilient crop (Finger millet) production technology	04/07/2024	01	07	03	0	0	10	0	
03	Application of DSR in CRA	04/07/2024	01	19	05	0	01	23	0	
04	Management of insect pest management in kharif pulses	09/09/2024	01	24	01	0	0	25	0	
05	Integrated Pest	10/09/2024	01	14	15	0	02	27	0	

S. No.	Title of the training course	Period of Training program	Duration	Particip	ant No.	Category			
				Male	Female	General	ОВС	ST	SC
	Management in kharif cereals								
06	Integrated Pest Management in Rabi pulses	17/10/2024	01	09	03	0	0	12	0
07	Scientific Fish Farming	20/10/2024	01	22	03	0	03	22	0
08	Promotion of Resilient crop variety	08/11/2024	01	25	05	0	04	26	0
09	Low water requiring crop production technology of Mustard	04/11/2024, 19/11/2024, 22/11/2024	03	30	55	0	05	80	0
10	Resilient production technology of Wheat	19/11/2024	01	12	02	0	02	12	0

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

S. No.	Title of the training course	Period of Training program	Duration	Participant No.		Category			
				Male	Female	General	OBC	ST	SC
01	Feed management	6 /02/2024	01	08	09	0	03	14	0
02	Importance of farm bunding and its role in mitigation of drought	06/07/2024	01	04	14	0	0	18	0
03	Importance of intercropping and improve production technology of Redgram	10/07/2024	01	05	18	0	0	23	0
04	Major Resilient crop variety in Rabi season	14/12/2024	01	12	10	0	02	20	0

Table: Custom Hiring of Farm-Implement

Name of farm	No. of farmers	Area covered	Farm Implement	Revenue generated	Expenditure incurred
implement/	used Implement	by Farm	used (In Hours)	by Farm Implement	on repairing (Rs.)
equipment		Implement		(Rs.)	
Rotavetor	06	2.0	4.0	1200.00	0
Portable rice thresher	02	3.5	10days	500.00	0
Hatchery unit	01	400 egg		500.00	0
natchery unit	01	400 egg	-	300.00	U
Maize	08	4.0	15	4500.00	0
thresher	00			4500.00	

Table: Village wise VCRMC

Village	VCRMC	VCRM	C	Meetings	Date of	Name of	Name of	Major decision
name	Constitution date	member	rs (no.)	organized by VCRMC	VCRMC meeting	Secretary	President	taken
	date			(no.)	meeting			
		M	F					
Shivrajpur		12	03	02	05/07/2024 & 06/11/2024	Sitaram Oraon	Vijay Oraon	Seed conservation & water conservation

Pea cultivation under Drip irrigation

Paddy transplanting with the use of WHS

Mulching with paddy straw in mango

Mulching with paddy straw in mango

Mulching with green weeds in mango





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

Name of State	Name of district	No. of blocks allocated	No. of FPOs registered as CBBO	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	Tech. backstopping provided to no. of FPOs	No. of training programme organized for FPOs for Technology backstopping as CBBO	Training received by FPO members (Y/N) If yes then major area of training	Assistance to no. of FPOs in economic activities	Is Business plan prepared for FPOs as CBBOs	Is Business plan prepared for FPOs as without CBBOs	No. Of FPOs doing business
hand	Gumla	Gumla	1	414	1	1	1		Yes	Seed, Agri tools, Training	Yes	No	1
Jharkhand	Gumla	Gumla	1	409	1	1	1		Yes	Seed, Agri tools, Training	Yes	No	1

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

S.N	Name of the FPO	Address of FPO	Registration No and Date	Proposed Activity	Commodity Identified	Total No. of BOM Members	Total no of farmers attached	Financial position (Rupees in lakh)	Success indicator
1	Gumla Sabji Utpadak Sahyog Samiti Limited	Manjhatoli, Block: Raidih, Dist.: Gumla	05/Gum/2021 and 13/07/2021	Multi Crops, Fruits & Vegetables, Seed, Agri small tools, implements business	Tomato	13	414	10,15,315.00	Business
2	Raidih Phal Utpadak Sahyog Samiti Limited	Gashitoli, Block: Gumla, Dist.: Gumla	04/Gum/2021 and 03/07/2021	Multi Crops, Fruits & Vegetables, Seed, Agri small tools, implements business	Mango	13	409	8,28,415.00	Business

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

a. Overall achievement

(No. of Nutri smart village leveloped	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
	04	1.25 ha.	1	40	8	107	2	60

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)	1	6
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	No. of farmers/ beneficiaries
FLD		
Nutritional Garden	40	40
Bio-fortified Crops	1.6 ha	20
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise: Mushroom)	10	10

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.	Mayil.Shivrajpur,	Backyard/Kitchen	40	1254	40
	Hesrag, Bensdi	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
Mayil	rabi	FLD	Cereal	Wheat	DBW187	1.6 ha	20

e. Details of Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value- added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries
Mayil	Ragi, Little millet	Composite flour	OFT	6

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Mayil	Mushroom Production	1	20
Mayil	Importance of biofortified varities	1	21
Shivrajpur Mayil	Nutrition Garden	1	29
Mayil	Drudgery reduction	1	26
Mayil	Value added Products	1	13
Mayil	Importance of cooking Methods	1	8

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Mayil	SHG meeting.	1	20
Mayil	Poshan Maah	1	40

11.7 Attracting and Retaining Youth in Agriculture (ARYA)

Name of Enterprises	No of Skill training conducted (No.)	Name of Training	Duration (Days)	Youth trained (No.)	Established entreprenerial 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 entreprenerial unit	Total Production /unit / year	Per unit cost of Production (Rs)	Sale value of Produce (Rs.)	Gross Return/Unit/ Year (Rs.)	Economic Gains/ unit (Rs.)	B:C Ratio	Employment generated/ year (manday @ 8 hr/ day)
Pig Farming	1	Scientific Pig Farming	7	20	08	01	08	01	02	06	35	37 no Pigs, 192 no piglets	3.55	3.55	8.72	5.16	2.46	182
Goat Farming	1	Scientific Goad Farming	15	30	10	02	10	02	05	15	25	28 no Goat & Buck, 17 no kids	0.42	0.42	1.88	1.46	4.43	180
Lac Cultivatio n	1	Scientific Lac Cultivation	5	26	19	02	15	02	00	30	20	Brood lac 4.4 q (Rangeeni & Kusumi)	1.19	1.19	3.44	2.24	2.89	60
Bee Keeping	1	Scientific Bee Keeping	1	29	03	01	14	01	03	11	12	Honey 3.9 q	0.30	0.30	1.56	1.25	5.12	112

11.8 Out-scaling of Natural Farming Format Geographical information

Name of State		Jharkhand	
Name of KVK		Gumla	
Agro Climatic Zone of Village/KVK		V (Rgion Name : Weste	ern Plateau Zone)
Farming Situation of the Selected	Rain fed	Latitude (N)	Longitude (E)
Farmer/KVK	Kaili leu	23.436316	84.321744

Physical information

Name of KVK	Name of activity	No of activities	No of participants		Participants (Male)				Participants (Female)						
		organized		GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total
Gumla	Training	10	404	-	48	03	192	-	243	-	33	5	123	-	161
	Awareness	22	1135	8	90	4	455	-	557	-	43	1	534	-	578
	Demonstration	12	12	-	1	-	11	-	12	-	-	-	-	-	-
	Other activities														

Training information

Tittle of Natural Farming	Date of Training	Venue of programme	Partic	Participants (Male)					Participants (Female)						Remarks/ Observation/Feedback Recorded	
training Programme	Training	programme	GEN	OBC	SC	ST	Others	Total	GEN	OBC	SC	ST	Others	Total	GT	
Natural farming	23-24/2/24	At KVK HQ	-	-	-	39	-	39	-	-	-	01	-	01	40	
Natural farming	06-07/3/24	At KVK HQ	-	-	-	29	-	29	-	-	-	11	-	11	40	
Natural farming	11-12/3/24	At KVK HQ	-	-	-	08	-	08	-	01	-	32	-	31	40	
Natural farming	13-14/3/24	P B Dumri	-	-	2	11	-	13	-	-	05	22	-	27	40	
Natural farming	15-16/3/24	At KVK HQ	-	11	-	04	-	15	-	13	-	12	-	25	40	
Natural farming	15-16/3/24	At KVK HQ	-	11	-	08	-	19	-	13	-	8	-	21	40	
Natural farming	19-20/3/24	At KVK HQ	-	06	01	21	-	28	-	-	-	12	-	12	40	
Natural farming	19-20/3/24	At KVK HQ	-	20	-	11	-	31	-	06	-	03	-	09	40	
Natural farming	25/7/2024	Borang	-	-	-	30	-	30	-	-	-	14	-	14	44	
Natural farming	13/8/2025	At KVK HQ	-	-	-	31	-	31	-	-	-	09	-	09	40	
Total			0	48	3	192	0	243	0	33	5	124	0	160	404	

Awareness programme information

Tittle of Natural Farming	Date of Awareness programme	Venue of programme		Pa	rticipa	ants (M	ale)			Pa	rticipa	ants (Fe	emale)			Remarks/Observa tion/Feedback Recorded
Awareness programme	programme		GEN	OBC	SC	ST	Othe rs	Total	GEN	OBC	SC	ST	Others	Total	GT	Titotorucu
Awareness	2/1/24	Kulukera	-	-	-	2	-	-	-	-	-	26	-	-	28	
Awareness	3/1/24	Narma	-	-	-	11	-	-	-	-	-	54	-	-	65	
Awareness	5/1/24	Uttari Palkot	-	-	-	21	-	-	-	-	-	09	-	-	30	
Awareness	8/1/24	Basia	-	-	-	17	-	-	-	-	-	59	-	-	56	
Awareness	9/1/24	Kaliga	-	-	-	20	-	-	-	-	-	52	-	-	72	
Awareness	9/1/24	Larango	-	-	-	13	-	-	-	-	-	40	-	-	53	
Awareness	10/1/24	Tetara	-	-	-	07	-	-	-	-	-	74	-	-	81	
Awareness	10/1/24	Puso	-	-	-	55	-	-	-	-	-	54	-	-	109	
Awareness	12/1/24	Dakshini Bharno	-	-	-	16	04	-	-	-	-	05	-	-	25	
Awareness	13/1/24	Marasilli	-	-	-	24	02	-	-	-	-	03	-	-	29	
Awareness	16/1/24	Turiamba	-	-	-	14	02	_	-	-	-	10	01	-	27	
Awareness	17/1/24	Olmunda	-	-	-	17	03	-	-	-	-	08	01	-	29	
Awareness	18/1/24	Phori	-	-	-	39	10	-	-	-	-	18	03	-	70	
Awareness	19/1/24	Telgaon	-	-	-	03	-	-	-	-	-	30	-	-	33	
Awareness	20/1/24	Kumhariya	-	-	-	15	06	-	-	-	-	05	02	-	28	
Awareness	21/1/24	Karaundi	-	-	01	22	07	-	-	-	-	09	-	-	39	
Awareness	22/1/24	Brinda	-	-		14	03	-	-	-	-	06	02	-	25	
Awareness	23/1/24	Ambowa	-	-	01	03	14	-	-	_	-	09	08	-	35	
Awareness	24/1/24	Kasira	-	-	-	13	10	-	-	_	-	15	15	-	53	
Awareness	12/3/24	KVK HQ	-	-	-	40		-	-	-	-		-	-	40	
Awareness	26/12/24	Ghaghra	-	-	-	38	03	-	-	-	-	14	01	-	56	
Awareness	27/12/24	Sisai	-	-	-	18	08	-	-	-	-	02	04	-	32	
Total			0	0	2	422	72	0	0	0	0	502	37	0	1015	

Any other Programme /Activity organized for Natural farming promotion								
Name of the Innovative programme organized	Significance of innovative programme	Remarks/Observation/Feedback Recorded						
Natural farming component preparation methods live display at Kisan Mela.	Farmer learned the components preparation of natural farming like Ghan-Jeevamrit, Jeevamrit, Beejamrit and Jeevamrit by watching and discussing.	Farmer are very excited to learn the process of preparation of natural farming components.						

Details of Beneficiaries under Demonsatration at Farmer's Fields

Name of KVK	No. of blocks covered	No. of village covered	Total no. of Trained/Pra cticing 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)
Gumla	02	04	12	47	12	47	

Demonstration Information (1)

KVK/ Farmer wise information of demonstration conducted till date						
Name of State	Jharkhand					
Name of KVK/Farmer where demonstration conducted	Dileshwar Oraon					
Address of Farmer with contact detail	Separate sheet enclosed (Annexure : 1)					
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name: Western Plateau Zone)					
Cropping patter of KVK plot/ Farmer plot	Vegetable based					
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)					
	23.531516" 84.398816"					

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/ Summer)	components/Technology demonstrated	Natural farming	practice	parameter	Without NF	With NF
	3.5.1	~ 4	**1 .0	77 007 10	practice	- 1		practice	practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	209.5	206.2
							Other relevant parameter • No of	1.33	1.33
							cob/plant • Cob length in (cm)	14.47	13.5
							Yield (q/ha)	57.31	55.25
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	127515	122931

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ons Record	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							Net Return	79015	79281
							(Rs/ha)	77013	
							B:C Ratio	2.63	2.82
							Soil PH	6.12	6.18
							Soil OC (%)	0.49	0.51
							Soil EC (dS/m)	0.201	0.196
							Available N	299.14	306.4
							(Kg/ha)	299.14	300.4
							Available P	17.52	18.13
							(Kg/ha)	17.32	10.13
							Available K	534.12	560.14
							(Kg/ha)	334.12	300.14
							Soil Microbes		
							(cfu)		
Feedback of									
farmer									

Demonstration Information (2)

Demonstration Information (2)							
KVK/ Farmer wise information of demonstration conducted till date							
Name of State	Jharkhand						
Name of KVK/Farmer where demonstration conducted	Chuyu Oraon						
Address of Farmer with contact detail	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based						
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)						
	23.530828" 84.398808"						

Name of	Crop	Variety		Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of farmer practice	Observation	ons Record	ed
Activity		·	(Kharif /Rabi/ Summer)				Name of parameter	Perfor Without NF practice	wance With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	208.2	205.5
	•						Other relevant parameter	1.66	1.33
							No of cob/plantCob length in (cm)	12.2	11.9
							Yield (q/ha)	54.39	51.57
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	121018	114743
							Net Return (Rs/ha)	72518	71093
							B:C Ratio	2.50	2.63
							Soil PH	6.10	6.12
							Soil OC (%)	0.58	0.63
							Soil EC (dS/m)	0.283	0.301
							Available N (Kg/ha)	368.2	375.04
							Available P (Kg/ha)	16.42	20.10
		417.48	440.16						
							Soil Microbes (cfu)		
Feedback of farmer									

Demonstration Information (3)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted	Kandaru Oraon							
Address of Farmer with contact detail	Separate sheet enclosed (An	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western P	V (Rgion Name : Western Plateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N)	Longitude (E)						
	23.534009"	84.401851"						

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ded	
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
Demonstration	Maize	Suwan-1	Kharif	Uses Of Natural farming	4.0 ha	Improved	Plant height		
	+	+ YB7		component			(cm)	214.3	209.5
	Cowpea						(CIII)		
							Other relevant		
							parameter	2.00	1.66
							• No of		
							cob/plant		
							 Cob length 	18.00	17.20
							in (cm)		
							Yield (q/ha)	69.53	67.78
							Cost of		
							cultivation	48500	43650
							(Rs/ha)		
							Gross Return	154704	150811
							(Rs/ha)	154704	130011
							Net Return	106204	107161
							(Rs/ha)	100204	10/101
							B:C Ratio	3.19	3.45

<u>2</u>68

				Soil PH	5.85	5.90
				Soil OC (%)	0.62	0.68
				Soil EC (dS/m)	0.294	0.310
				Available N (Kg/ha)	378.47	385.15
				Available P (Kg/ha)	15.30	18.60
				Available K (Kg/ha)	487.23	520.00
				Soil Microbes (cfu)		
				Any other, specify		
Feedback of farmer						

Demonstration Information (4)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted	Rajendra Oraon	Rajendra Oraon						
Address of Farmer with contact detail	Separate sheet enclosed (Ar	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western I	V (Rgion Name : Western Plateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N)	Longitude (E)						
	23.533039"	84.405113"						

Name of	Crop	Variety	·	Name of Natural Farming components/Technology demonstrated	Area (ha) in Natural farming practice	Detail of	Observat	ions Recor	ded
Activity						farmer	Name of	Perfor	mance
			/Rabi/ Summer)			practice	parameter	Without NF practice	With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	204.0	199.5
							Other relevant parameter • No of	1.66	1.00
							cob/plant • Cob length in (cm)	13.00	12.40
							Yield (q/ha)	56.61	55.34
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	125957	123132
							Net Return (Rs/ha)	77457	79482

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observations Recorde		ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							B:C Ratio	2.60	2.82
							Soil PH	5.17	5.24
							Soil OC (%)	0.64	0.65
							Soil EC (dS/m)	0.189	0.196
							Available N	350.14	378.16
							(Kg/ha)		3/8.10
							Available P	9.87	12.38
							(Kg/ha)	9.67	12.36
							Available K	358.62	375.12
							(Kg/ha)	336.02	373.12
							Soil Microbes		
							(cfu)		
							Any other,		
							specify		
Feedback of farmer									

Demonstration Information (5)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted	Bandha Brijiya							
Address of Farmer with contact detail	Separate sheet enclosed (Ar	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western F	V (Rgion Name : Western Plateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N)	Longitude (E)						
	23.435577"	84.292158"						

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif /Rabi/ Summer)	Farming components/Technology demonstrated	(ha) in Natural farming practice	farmer	Name of	Perfor	mance
						practice	parameter	Without NF practice	With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	213.5	210.4
							Other relevant parameter No of cob/plant	2.00	1.66
							• Cob length in (cm)	16.00	14.90
							Yield (q/ha)	61.93	59.00
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	137794	131275
							Net Return (Rs/ha)	89294	87625
							B:C Ratio	2.84	3.01

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ons Record	ecorded	
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Performance		
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With	
			Summer)	demonstrated	farming			NF	NF	
					practice			practice	practice	
							Soil PH	5.97	6.10	
							Soil OC (%)	0.79	0.85	
							Soil EC (dS/m)	0.099	0.107	
							Available N	473.19	484.3	
							(Kg/ha)	4/3.19	404.3	
							Available P	21.06	25.70	
							(Kg/ha)	21.00	23.10	
							Available K	463.17	480.17	
							(Kg/ha)	TU3.17	700.17	
							Soil Microbes			
							(cfu)			
							Any other,			
							specify			
Feedback of										
farmer										

Demonstration Information (6)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted	Ratiya Oraon							
Address of Farmer with contact detail	Separate sheet enclosed (Ar	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western F	V (Rgion Name : Western Plateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N)	Longitude (E)						
	23.435577"	84.292158"						

Name of	Crop	Variety	Season	Name of Natural	e of Natural Area I			ions Recor	ded
Activity			(Kharif /Rabi/	Farming components/Technology	(ha) in Natural	farmer practice	Name of parameter	Perfor Without	mance With
			Summer)	demonstrated	farming practice			NF practice	NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	202.8	198.4
							Other relevant parameter • No of	1.33	1.33
							cob/plantCob length in (cm)	12.90	11.20
							Yield (q/ha)	49.80	49.35
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	110805	109804
							Net Return (Rs/ha)	62305	66154
							B:C Ratio	2.28	2.52

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ons Record	ecorded	
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	Performance	
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With	
			Summer)	demonstrated	farming			NF	NF	
					practice			practice	practice	
							Soil PH	7.15	7.16	
							Soil OC (%)	0.68	0.71	
							Soil EC (dS/m)	0.185	0.193	
							Available N	402.15	415.38	
							(Kg/ha)	402.13	413.36	
							Available P	23.87	27.49	
							(Kg/ha)	23.07	21.7)	
							Available K	509.43	540.16	
							(Kg/ha)	307.73	J 1 0.10	
							Soil Microbes			
							(cfu)			
							Any other,			
							specify			
Feedback of										
farmer										

Demonstration Information (7)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted Laudha Mahali								
Address of Farmer with contact detail Separate sheet enclosed (Annexure								
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone)							
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)							
	23.523204" 84.415413"							

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of		mance
			/Rabi/ Summer)	components/Technology demonstrated	Natural farming practice	practice	parameter	Without NF practice	With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	207.5	203.2
							Other relevant parameter No of cob/plant	1.33	1.00
							• Cob length in (cm)	13.20	12.50
							Yield (q/ha)	52.16	50.50
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	116056	112363
							Net Return (Rs/ha)	67556	68713
							B:C Ratio	2.39	2.57

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ded	
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							Soil PH	6.27	6.34
							Soil OC (%)	0.52	0.55
							Soil EC (dS/m)	0.248	0.261
							Available N	308.62	330.43
							(Kg/ha)	308.02	330.73
							Available P	13.10	16.84
							(Kg/ha)	13.10	10.04
							Available K	199.45	209.11
							(Kg/ha)	177.73	207.11
							Soil Microbes		
							(cfu)		
							Any other,		
							specify		
Feedback of									
forman	l								

farmer

Demonstration Information (8)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted Arun Bhagat								
Address of Farmer with contact detail	Separate sheet enclosed (Annexure : 1)							
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone	<u>.</u>						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Long	gitude (E)						
	23.528206" 84.	414986"						

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of		mance
			/Rabi/ Summer)	components/Technology demonstrated	Natural farming practice	practice	parameter	Without NF practice	With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	199.5	197.2
							Other relevant parameter No of cob/plant	1.00	1.00
							• Cob length in (cm)	14.80	13.90
							Yield (q/ha)	53.28	52.03
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	118548	115767
							Net Return (Rs/ha)	70048	72117
							B:C Ratio	2.44	2.65

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observations Recorded		
Activity			(Kharif	Farming	(ha) in	farmer	Name of Perfor		mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							Soil PH	6.46	6.51
							Soil OC (%)	0.49	0.54
							Soil EC (dS/m)	0.180	0.195
							Available N	310.43	318.52
							(Kg/ha)	310.43	310.32
							Available P	11.89	15.47
							(Kg/ha)	11.07	13.47
							Available K	208.65	217.26
							(Kg/ha)	200.03	217.20
							Soil Microbes		
							(cfu)		
							Any other,		
							specify		
Feedback of									
farmer									

Demonstration Information (9)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted Pandiya Oraon								
Address of Farmer with contact detail Separate sheet enclosed (Annexure : 1)								
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone)							
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)						
	23.521628" 84.411091	•						

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of		mance
			/Rabi/ Summer)	components/Technology demonstrated	Natural farming practice	practice	parameter	Without NF practice	With NF practice
Demonstration	Maize + Cowpea	Suwan-1 + YB7	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	211.3	208.5
							Other relevant parameter No of cob/plant	1.66	1.33
							• Cob length in (cm)	15.60	14.00
							Yield (q/ha)	64.21	59.47
							Cost of cultivation (Rs/ha)	48500	43650
							Gross Return (Rs/ha)	142867	132321
							Net Return (Rs/ha)	94367	88671
							B:C Ratio	2.95	3.03

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	rded		
Activity			(Kharif Farming		(ha) in	farmer	Name of Perfo		rmance	
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With	
			Summer)	demonstrated	farming			NF	NF	
					practice			practice	practice	
							Soil PH	6.73	6.80	
							Soil OC (%)	0.51	0.57	
							Soil EC (dS/m)	0.197	0.203	
							Available N	324.52	338.24	
							(Kg/ha)	324.32	336.24	
							Available P	15.07	17.86	
							(Kg/ha)	13.07	17.00	
							Available K	233.41	242.16	
							(Kg/ha)	233.41	242.10	
							Soil Microbes			
							(cfu)			
							Any other,			
							specify			
Feedback of										
farmer										

Demonstration Information (10)

KVK/ Farmer wise information of demonstration conducted till date								
Name of State	Jharkhand							
Name of KVK/Farmer where demonstration conducted Chamru Oraon								
Address of Farmer with contact detail	Separate sheet enclosed (Ann	Separate sheet enclosed (Annexure : 1)						
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Pl	ateau Zone)						
Cropping patter of KVK plot/ Farmer plot	Vegetable based							
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N)	Longitude (E)						
	23.522142"	84.412857"						

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ded	
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
Demonstration	Maize	Suwan-1	Kharif	Uses Of Natural farming	4.0 ha	Improved	Plant height		
	+	+ YB7		component			(cm)	212.5	210.3
	Cowpea						(CIII)		
							Other relevant		
							parameter	1.66	1.66
							• No of		
							cob/plant		
							 Cob length 	16.5	15.7
							in (cm)		
							Yield (q/ha)	66.4	64.08
							Cost of		
							cultivation	48500	43650
							(Rs/ha)		
							Gross Return	147740	14578
							(Rs/ha)	14 / /40	173/0
							Net Return	99240	98928
							(Rs/ha)	772 4 0	907 <u>2</u> 0
							B:C Ratio	3.05	3.27

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							Soil PH	6.87	6.95
							Soil OC (%)	0.60	0.69
							Soil EC (dS/m)	0.204	0.221
							Available N	386.48	405.13
							(Kg/ha)		703.13
							Available P	20.34	23.18
							(Kg/ha)	20.54	23.10
							Available K	350.82	367.2
							(Kg/ha)	330.02	307.2
							Soil Microbes		
							(cfu)		
							Any other,		
							specify		
Feedback of									
farmer									

Demonstration Information (11)

KVK/ Farmer wise information of demonstration conducted till date									
Name of State	Jharkhand								
Name of KVK/Farmer where demonstration conducted	Bachandeo Kherwar								
Address of Farmer with contact detail	Separate sheet enclosed (Annexure : 1)								
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone)								
Cropping patter of KVK plot/ Farmer plot	Vegetable based								
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)								
	23.436242" 84.290856"								

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/ Summer)	components/Technology demonstrated	Natural farming practice	practice	parameter	Without NF practice	With NF practice
Demonstration	Ragi	BBM-3	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	103.5	105.5
							Other relevant parameter • No of effective tillers/m2	81.33	84.66
							• Panicle length in (cm)	5.26	5.5
							Yield (q/ha)	13.85	14.27
							Cost of cultivation (Rs/ha)	27381	27087
							Gross Return (Rs/ha)	59417	61218
							Net Return (Rs/ha)	32036	34131

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observati	ions Recor	ded
Activity			(Kharif	Farming	(ha) in	farmer	Name of	Perfor	mance
			/Rabi/	components/Technology	Natural	practice	parameter	Without	With
			Summer)	demonstrated	farming			NF	NF
					practice			practice	practice
							B:C Ratio	2.17	2.26
							Soil PH	5.75	5.87
							Soil OC (%)	0.56	0.59
							Soil EC (dS/m)	0.163	0.12
							Available N	300.63	316.73
							(Kg/ha)	300.03	310.73
							Available P	16.50	18.13
							(Kg/ha)	10.50	10.15
							Available K	470.18	495.10
							(Kg/ha)	770.10	473.10
							Soil Microbes		
							(cfu)		
							Any other,		
							specify		
Feedback of farmer									

Demonstration Information (12)

KVK/ Farmer wise information of demonstration conducted till date									
Name of State	Jharkhand								
Name of KVK/Farmer where demonstration conducted	Rajesh Sahu								
Address of Farmer with contact detail	Separate sheet enclosed (Annexure : 1)								
Agro Climatic Zone of KVK/Village of farmer	V (Rgion Name : Western Plateau Zone)								
Cropping patter of KVK plot/ Farmer plot	Vegetable based								
Farming Situation of the Selected KVK/Farmer Irrigated	Latitude (N) Longitude (E)								
	23.436242" 84.290856"								

Name of	Crop	Variety	Season	Name of Natural	Area	Detail of	Observat	ions Recor	ded
Activity			(Kharif /Rabi/ Summer)	Farming components/Technology demonstrated	(ha) in Natural farming practice	farmer practice	Name of parameter	Perfor Without NF practice	mance With NF practice
Demonstration	Lady finger	Reetu	Kharif	Uses Of Natural farming component	4.0 ha	Improved	Plant height (cm)	191	197
							Other relevant parameter • No of	15.33	16
							fruit/plant • Fruit length in (cm)	9.20	9.50
							Yield (q/ha)	87.25	92.67
							Cost of cultivation (Rs/ha)	56500	52450
							Gross Return (Rs/ha)	174500	185340
							Net Return (Rs/ha)	118000	132890
							B:C Ratio	3.09	3.53

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			Soil PH	<u>6.74</u>	6.75
			Soil OC (%)	<u>0.61</u>	0.65
			Soil EC (dS/m)	0.291	0.347
			Available N (Kg/ha)	<u>364.56</u>	373.12
			Available P (Kg/ha)	23.87	28.15
			Available K (Kg/ha)	336.45	350.19
			Soil Microbes (cfu)		
			Any other, specify		
Feedback of farmer					

S. No.	Name of District	Name of	Name of	No. of	Land	Normal	No. of Years practicing in		Crop Grown	Natural Farming	Observations Recorded		
	District	Farmer	Village and	Indigen ous	Holding (ha)	Crops Grown	Natural	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Performance	
			address with contact No	(Desi Cows)	()	Grown	Farming				•	Without NF practice	
											Plant height (cm)	191	197
				on, nra,6 02				0.8	Vegetable s,		Other relevant parameter	9.20	9.50
					2.0	Vegetabl es, Paddy,	09			All components of natural	Yield (q/ha)	87.25	92.67
											Cost of cultivation (Rs/ha)	56500	52450
											Gross Return (Rs/ha)	17450 0	185340
1	Gumla										Net Return (Rs/ha)	11800 0	132890
						Oil seed				farming	B:C Ratio	3.09	3.53
											Soil PH	<u>6.74</u>	6.75
											Soil OC (%)	<u>0.61</u>	0.65
											Soil EC (dS/m)	<u>0.291</u>	0.347
											Available N (Kg/ha)	<u>364.56</u>	373.12
											Available P (Kg/ha)	<u>23.87</u>	28.15
											Available K (Kg/ha)	<u>336.45</u>	350.19
											Soil Microbes (cfu)		<u> </u>
											Any other, specify		1

					Infor	mation of F	armer Alread	y Practicin	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	Tarmer	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	practice
											Plant height (cm)	209.5	206.2
									Vegetable s and Maize + Cowpea,	All components of natural farming	Other relevant parameter	1.33	1.33
					2.5	Vegetables, Paddy, Oil seed and Pulses					 No of cob/plant Cob length in (cm) 	14.47	13.5
											Yield (q/ha)	57.31	55.25
			Borang,	ur 02							Cost of cultivation (Rs/ha)	48500	43650
2	Gumla	Dileshwar	Nirasi, Bishunpur				04	0.4			Gross Return (Rs/ha)	12751 5	122931
		Oraon	8986778								Net Return (Rs/ha)	79015	79281
			335								B:C Ratio	2.63	2.82
			333								Soil PH	6.12	6.18
											Soil OC (%)	0.49	0.51
											Soil EC (dS/m)	0.201	0.196
											Available N (Kg/ha)	299.14	306.4
											Available P (Kg/ha)	17.52	18.13
											Available K (Kg/ha)	534.12	560.14
											Soil Microbes (cfu)		
											Any other, specify		
Feedb	ack of far	mer:											

					Infor	mation of F	armer Alread	y Practicin	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	Tarmer	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	mance With NF practice
											Plant height (cm) Other relevant	208.2 1.66	205.5
											parameterNo of cob/plantCob length in (cm)	12.2	11.9
			Borang,								Yield (q/ha) Cost of cultivation (Rs/ha)	54.39 48500	51.57 43650
2	Cumla	Chuyu	Nirasi, Bishunpur	05	2.5	Vegetables, Paddy, Oil	04	0.4	Vegetable s and	All components of	Gross Return (Rs/ha)	12101 8	114743
3	Gumla	Oraon	, 8580288	03	2.3	seed and Pulses	04	0.4	Maize +	natural farming	Net Return (Rs/ha)	72518	71093
			633			Pulses			Cowpea,	rarming	B:C Ratio Soil PH	2.50 6.10	2.63 6.12
											Soil OC (%)	0.10	0.12
											Soil EC (dS/m)	0.283	0.301
											Available N (Kg/ha)	368.2	375.04
											Available P (Kg/ha)	16.42	20.10
											Available K (Kg/ha)	417.48	440.16
											Soil Microbes (cfu)		
											Any other, specify		

. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	Turmer	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	mance With NF practice
4	Gumla	Kandaru Oraon	Borang, Nirasi, Bishunpur, 9470163	03	3.0	Vegetables, Paddy, Oil seed and Pulses	04	0.4	Vegetable s and Maize + Cowpea,	All components of natural farming	Plant height (cm) Other relevant parameter No of cob/plant Cob length in (cm) Yield (q/ha) Cost of cultivation (Rs/ha) Gross Return (Rs/ha) Net Return (Rs/ha) B:C Ratio Soil PH Soil OC (%) Soil EC (dS/m) Available N (Kg/ha) Available P (Kg/ha) Available K	214.3 2.00 18.00 69.53 48500 15470 4 10620 4 3.19 5.85 0.62 0.294 378.47 15.30 487.23	209.5 1.66 17.20 67.78 43650 150811 107161 3.45 5.90 0.68 0.310 385.15 18.60

					Infor	mation of F	armer Alread	y Practicing	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding		No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	T at the	and	ous	(ha)	Grown	Natural	under	under	Technology	Name of parameter	Perfor	mance
			address with contact No	(Desi Cows)	(=11)		Farming	Natural Farming	Natural Farming	practicing/ adopted	-	Without NF practice	practice
											Plant height (cm)	204.0	199.5
											Other relevant parameter	1.66	1.00
											• No of cob/plant	12.00	10.40
											Cob length in (cm)	13.00	12.40
											Yield (q/ha)	56.61	55.34
											Cost of cultivation (Rs/ha)	48500	43650
											Gross Return	12595	123132
			Borang,								(Rs/ha)	7	
		Dai an dua	Nirasi, Bishunpur			Vegetables, Paddy, Oil			Vegetable s and	All	Net Return (Rs/ha)	77457	79482
5	Gumla	Rajendra Mahali	,	02	35	seed and	04	0.4	Maize +	components of natural	B:C Ratio	2.60	2.82
		1 VI diidii	9234770			Pulses			Cowpea,	farming	Soil PH	5.17	5.24
			905						•		Soil OC (%)	0.64	0.65
											Soil EC (dS/m)	0.189	0.196
											Available N	350.14	378.16
											(Kg/ha)	330.14	376.10
											Available P	9.87	12.38
											(Kg/ha)	7.07	12.30
											Available K	358.62	375.12
											(Kg/ha)	330.02	313.12
											Soil Microbes (cfu)		
											Any other, specify		

S. No.	Name of	Name of	Name of	No. of	Land	Normal	No. of Years	Area (ha)	Crop	Natural .	Observations	Recorded	
	District	Farmer	Village and	Indigen ous	Holding (ha)	Crops Grown	practicing in Natural	under	Grown under	Farming Technology	Name of parameter		rmance
			address with contact No	(Desi Cows)			Farming	Natural Farming	Natural Farming	practicing/ adopted		Without NF practice	With NF practice
											Plant height (cm)	213.5	210.4
											Other relevant parameter • No of cob/plant	2.00	1.66
											Cob length in (cm)	16.00	14.90
											Yield (q/ha)	61.93	59.00
											Cost of cultivation (Rs/ha)	48500	43650
			Langra Tand,								Gross Return (Rs/ha)	13779 4	131275
		Bandha	Narma,			Vegetables,			Vegetable	All	Net Return (Rs/ha)	89294	87625
6	Gumla	Bandna Brijiya	Bishunpur	05	3.0	Paddy, Oil seed and	04	0.4	s and Maize +	components of natural	B:C Ratio	2.84	3.01
		Diljiyu	, 9334629			Pulses			Cowpea,	farming	Soil PH	5.97	6.10
			325								Soil OC (%)	0.79	0.85
			323								Soil EC (dS/m)	0.099	0.107
											Available N (Kg/ha)	473.19	484.3
											Available P (Kg/ha)	21.06	25.70
											Available K (Kg/ha)	463.17	480.17
											Soil Microbes (cfu)		
											Any other, specify		

					Infor	mation of F	armer Alread	y Practicing	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	rainci	and	ous	(ha)	Grown	Natural	under	under	Technology	Name of parameter		rmance
			address with contact No	(Desi Cows)	(=1,)	227.12	Farming	Natural Farming	Natural Farming	practicing/ adopted	-	Without NF practice	practice
											Plant height (cm)	202.8	198.4
											Other relevant parameter No of cob/plant	1.33	1.33
											Cob length in (cm)	12.90	11.20
											Yield (q/ha)	49.80	49.35
											Cost of cultivation (Rs/ha)	48500	43650
			Langra Tand,								Gross Return (Rs/ha)	11080 5	109804
		D -4:	Narma,			Vegetables,			Vegetable	All	Net Return (Rs/ha)	62305	66154
7	Gumla	Ratiya Oraon	Bishunpur	04	3.5	Paddy, Oil seed and	04	0.4	s and Maize +	components of natural	B:C Ratio	2.28	2.52
		014011	9334629			Pulses			Cowpea,	farming	Soil PH	7.15	7.16
			325								Soil OC (%)	0.68	0.71
			323								Soil EC (dS/m)	0.185	0.193
											Available N (Kg/ha)	402.15	415.38
											Available P (Kg/ha)	23.87	27.49
											Available K (Kg/ha)	509.43	540.16
											Soil Microbes (cfu)		
											Any other, specify		
Feedb	ack of fari	mer:		<u></u>									

					Infor	mation of F	armer Alread	y Practicing	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	2.00	2 11. 11.02	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	mance With NF practice
8	Gumla	Laudha Mahali	Langra Tand, Narma, Bishunpur , 9334629 325	06	2.5	Vegetables, Paddy, Oil seed and Pulses	02	0.4	Vegetable s and Maize + Cowpea,	All components of natural farming	Plant height (cm) Other relevant parameter No of cob/plant Cob length in (cm) Yield (q/ha) Cost of cultivation (Rs/ha) Gross Return (Rs/ha) Net Return (Rs/ha) B:C Ratio Soil PH Soil OC (%) Soil EC (dS/m)	207.5 1.33 13.20 52.16 48500 11605 6 67556 2.39 6.27 0.52 0.248	203.2 1.00 12.50 50.50 43650 112363 68713 2.57 6.34 0.55 0.261
											Available N (Kg/ha)	308.62	330.43
											Available P (Kg/ha)	13.10	16.84
											Available K (Kg/ha)	199.45	209.11
											Soil Microbes (cfu) Any other, specify		

					Infor	mation of F	armer Alread	y Practicing	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	raimei	and	ous	(ha)	Grown	Natural	under	under	Technology	Name of parameter	Perfor	rmance
			address with contact No	(Desi Cows)	()	Grown	Farming	Natural Farming	Natural Farming	practicing/ adopted	-	Without NF practice	practice
											Plant height (cm)	199.5	197.2
											Other relevant parameter No of cob/plant	1.00	1.00
											Cob length in (cm)	14.80	13.90
											Yield (q/ha)	53.28	52.03
											Cost of cultivation (Rs/ha)	48500	43650
			Langra Tand,								Gross Return (Rs/ha)	11854 8	115767
		Amun	Narma,			Vegetables,			Vegetable	All	Net Return (Rs/ha)	70048	72117
9	Gumla	Arun Bhagat	Bishunpur	08	2.0	Paddy, Oil seed and	02	0.4	s and Maize +	components of natural	B:C Ratio	2.44	2.65
		Duagat	9334629			Pulses			Cowpea,	farming	Soil PH	6.46	6.51
			325								Soil OC (%)	0.49	0.54
			323								Soil EC (dS/m)	0.180	0.195
											Available N (Kg/ha)	310.43	318.52
											Available P (Kg/ha)	11.89	15.47
											Available K (Kg/ha)	208.65	217.26
											Soil Microbes (cfu)		
											Any other, specify		
Feedb	ack of fari	mer:											

S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	2.50.100	2 112 11102	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	mance With NF practice
10	Gumla	Pandiya Oraon	Langra Tand, Narma, Bishunpur , 9334629 325	06	3.0	Vegetables, Paddy, Oil seed and Pulses		0.4	Vegetable s and Maize + Cowpea,	All components of natural farming	Plant height (cm) Other relevant parameter No of cob/plant Cob length in (cm) Yield (q/ha) Cost of cultivation (Rs/ha) Gross Return (Rs/ha) Net Return (Rs/ha) B:C Ratio Soil PH Soil OC (%) Soil EC (dS/m) Available N (Kg/ha) Available P (Kg/ha) Soil Microbes (cfu)	211.3 1.66 15.60 64.21 48500 14286 7 94367 2.95 6.73 0.51 0.197 324.52 15.07 233.41	208.5 1.33 14.00 59.47 43650 132321 88671 3.03 6.80 0.57 0.203 338.24 17.86 242.16

S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	T ut met	and address with contact No	ous (Desi Cows)	(ha)	Grown	Natural Farming	under Natural Farming	under Natural Farming	Technology practicing/ adopted	Name of parameter	Perfor Without NF practice	mance With NI practice
11	Gumla	Chamru Oraon	Langra Tand, Narma, Bishunpur , 9334629 325	06	3.0	Vegetables, Paddy, Oil seed and Pulses	02	0.4	Vegetable s and Maize + Cowpea,	All components of natural farming	Plant height (cm) Other relevant parameter No of cob/plant Cob length in (cm) Yield (q/ha) Cost of cultivation (Rs/ha) Gross Return (Rs/ha) Net Return (Rs/ha) B:C Ratio Soil PH Soil OC (%) Soil EC (dS/m) Available N (Kg/ha) Available P (Kg/ha) Available K (Kg/ha)	212.5 1.66 16.5 66.4 48500 14774 0 99240 3.05 6.87 0.60 0.204 386.48 20.34 350.82	210.3 1.66 15.7 64.08 43650 14578 98928 3.27 6.95 0.69 0.221 405.13 23.18 367.2
											Soil Microbes (cfu) Any other, specify		

					Infor	mation of F	armer Alread	y Practicing	g Natural Fa	rming			
S. No.	Name of District	Name of Farmer	Name of Village	No. of Indigen	Land Holding	Normal Crops	No. of Years practicing in		Crop Grown	Natural Farming	Observations	Recorded	
	District	raimei	and	ous	(ha)	Grown	Natural	under	under	Technology	Name of parameter	Perfor	mance
			address with contact No	(Desi Cows)	()	Grown	Farming	Natural Farming	Natural Farming	practicing/ adopted	•	Without NF practice	With NF practice
											Plant height (cm)	103.5	105.5
											Other relevant parameter • No of effective	81.33	84.66
											tillers/m2 Panicle length in (cm)	5.26	5.5
			Langra								Yield (q/ha)	13.85	14.27
			Tand, Narma,			Vegetables			Vegetable	All	Cost of cultivation (Rs/ha)	27381	27087
12	Gumla	Bachandeo	Bishunpur	03	4.	Paddy, Oil	04	0.4	s and	components of	Gross Return (Rs/ha)	59417	61218
		Kherwar	,			seed and Pulses			Maize +	natural farming	Net Return (Rs/ha)	32036	34131
			9334629			ruises			Cowpea,	laming	B:C Ratio	2.17	2.26
			325								Soil PH	5.75	5.87
											Soil OC (%)	0.56	0.59
											Soil EC (dS/m)	0.163	0.12
											Available N (Kg/ha)	300.63	316.73
											Available P (Kg/ha)	16.50	18.13
											Available K (Kg/ha)	470.18	495.10
											Soil Microbes (cfu)		
											Any other, specify		

Soil Data information

Soil Parameter for Demo plot at KVK Farm

Season	Crop				Before ci	op sowing					Af	ter harvest	ing		
		pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Ragi	5.70	0.108	0.51	300.00	9.45	203.84		5.87	0.115	0.59	324.78	10.82	223.15	

Soil Parameter for Non-Demo plot at KVK Farm

Season	Crop				Before crop	sowing						After harves	ting		
		pН	I EC (dS/m) (%) N (Kg/ha) P K (Kg/ha) Soil Microbe (cfu)							EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Maize	5.65	0.098	0.49	286.32	8.57	198.45		5.68	0.100	0.52	288.76	9.05	201.40	

Soil Parameter for Demo plot at Farmers Field

Season	Farmer	Crop				Before cro	op sowing						After ha	rvesting		
	name		pН	H EC OC N P K Soil Microber (cfu)							EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Rajesh Sahu	ladyfinger	6.75	0.347	0.65	373.12	28.15	350.19		6.79	0.353	0.68	382.46	29.05	356.13	
2024- 25	Dileshwar Oraon	Maize+cowpea	6.18	0.196	0.51	306.40	18.13	560.14		6.21	0.203	0.55	315.43	19.05	561.21	
	Chuyu Oraon	Maize+cowpea	6.12	0.301	0.63	375.04	20.10	440.16		6.18	0.308	0.65	380.13	21.13	442.12	
	Kandaru Oraon	Maize+cowpea	5.90	0.310	0.68	385.15	18.26	520.0		5.96	0.312	0.70	390.05	18.95	523.00	
	Rajendra Mahali	Maize+cowpea	5.24	0.196	0.65	378.16	12.38	375.12		5.30	0.200	0.68	381.20	13.30	376.12	
	Bandha Brijiya	Maize+cowpea	6.10	0.107	0.85	484.30	25.70	480.17		6.14	0.112	0.86	488.21	26.00	483.17	

Season	Farmer	Crop		Before crop sowing									After ha	rvesting		
	name		pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
	Bachandeo Kherwar	Ragi	5.87	0.120	0.59	316.73	18.13	495.10		5.90	0.128	0.60	322.18	19.20	495.75	
	Ratiya Oraon	Maize+cowpea	7.16	0.193	0.71	415.38	27.49	540.16		7.20	0.195	0.73	426.20	28.04	541.23	
	Laudha Mahali	Maize+cowpea	6.34	0.261	0.55	330.43	16.84	209.11		6.37	0.263	0.58	338.08	16.90	215.78	
	Arun Bhagat	Maize+cowpea	6.51	0.195	0.54	318.52	15.47	217.26		6.55	0.196	0.56	327.18	16.05	221.35	
	Pandiya Oraon	Maize+cowpea	6.80	0.203	0.57	338.24	17.86	242.16		6.81	0.210	0.60	342.56	18.00	245.74	
	Chamru Oraon	Maize+cowpea	6.95	0.221	0.69	405.13	23.18	367.20		6.98	0.228	0.71	411.23	24.10	370.25	

Soil Parameter for Non- Demo plot at Farmers Field

Season	Farmer name	Crop				Before cro	p sowing						After har	vesting		
			pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)	pН	EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
Kharif	Rajesh Sahu	maize	6.40	0.338	0.58	361.62	25.20	331.43		6.56	0.336	0.60	366.43	26.74	337.52	
	Dileshwar Oraon	Ragi	5.83	0.187	0.44	294.90	15.18	541.38		5.98	0.186	0.47	299.40	16.74	542.6	
	Chuyu Oraon	Goda	5.77	0.292	0.56	363.54	17.15	421.40		5.95	0.291	0.57	364.10	18.82	423.51	
	Kandaru Oraon	Black gram	5.55	0.301	0.61	373.65	15.31	501.24		5.73	0.295	0.62	374.02	16.64	504.39	
	Rajendra Mahali	Ragi	4.89	0.187	0.58	366.66	9.43	356.36		5.07	0.183	0.60	365.17	10.99	357.51	
	Bandha Brijiya	Redgram	5.75	0.098	0.78	472.80	22.75	461.41		5.91	0.095	0.78	472.18	23.69	464.56	
	Bachandeo Kherwar	maize	5.52	0.111	0.52	305.23	15.18	476.34		5.67	0.111	0.52	306.15	16.89	477.14	
	Ratiya Oraon	Black gram	6.81	0.184	0.64	403.88	24.54	521.40		6.97	0.178	0.65	410.17	25.73	522.62	

Season	Farmer name	Crop				Before cro	p sowing						After har	vesting		
			pН	EC OC N P K Soil (Mg/ha) (Kg/ha) Micro (cfu							EC (dS/m)	OC (%)	N (Kg/ha)	P (Kg/ha)	K (Kg/ha)	Soil Microbes (cfu)
	Laudha Mahali	Niger	5.99	0.252	0.48	318.93	13.89	190.35		6.14	0.246	0.50	322.05	14.59	197.17	
	Arun Bhagat	Niger	6.16	0.186	0.47	307.02	12.52	198.50		6.32	0.179	0.48	311.15	13.74	202.74	
	Pandiya Oraon	Niger	6.45	0.194	0.50	326.74	14.91	223.40		6.58	0.193	0.52	326.53	15.69	227.13	
	Chamru Oraon	Niger	6.60	0.212	0.62	393.63	20.23	348.44		6.75	0.211	0.63	395.20	21.79	351.64	

Financial information

	В	Budget Expenditure (Rs. in Rs)	
Name of activity	Number of activities organized	Budget sanction (Rs)	Budget expenditure (Rs)	Total Budget Expenditure (Rs)
Training				
Awareness Programme		370000.00	370000.00	370000.00
Demonstration		370000.00	370000.00	370000.00
Miscellaneous				
Total		370000.00	370000.00	370000.00

	Glimpses of various Activ	ities (Good Quality Action Pho	otographs)	
Name of activity	1	2	3	4
Training programmes			The many is the mat it is a control of the control	The second secon
Awareness programmes				
Demonstrations (KVK/Farmer filed)				

Glimpses of various Activities (Good Quality Action Photographs) Any other activities | International Control of Market Control of Marke

11.7 CRA (Climate Resilient Agriculture)

Technolo gy demonstr ated/interventi	Cro ping syst em	Farmi	ing Sys	tem	Area	under onstra ere)		unde	of farmer or onstrati		Cat	egor	y		Crop	Yield	l (q/ha)	System product ivity (q/ha)	Tota 1 retur n (Rs./	Yield obtai ned under Farm	Expos ure visit (no.)	Num ber of farme rs under
ons																			ha)	er Practi		expos
		Khar	Rabi	Sum	Kha	Ra	Sum	Mal	Fem	Tot	S	S	ОВ	Ge	Kha	Ra	Sum			ces		ure
		if		mer	rif	bi	mer	е	ale	al	С	Т	С	n	rif	bi	mer			(q/ha)		

11.8 District Agro Meteorological Unit (DAMU)

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

11.9 KSHAMTA: NA

Number of Adopted Villages	No. of A	ctivities	No. of farme	ers benefited
Number of Adopted vinages	Demo	Training	Demo	Training

11.10 Agri-Drone

S. No.	Name of parameter	Details of parameter
1	Name of the project implementing centre (PIC)	KVK Gumla, Vikas Bharti Bishunpur
2	No. of Agri Drones Sanctioned	01
3	No. of Agri Drones Purchased	01
4	Amount sanctioned (Rs)	10,00,000.00
5	Purchased cost of each Drone (Rs.)	9,96,000.00
6	Company and Model of Drone	IoTech World Avigation Pvt. Ltd. and AGRIBOT
7	Name and contact No of A ani Duana Bilat	Er. Eno Rai Mob.: 6296667259
7	Name and contact No of Agri Drone Pilot	Rajeev Kr. Singh Mo.: 8210330740
8	Target Area for Agri Drone Demonstration (ha) (1 demo = 1 ha area)	250 ha
9	Amount sanctioned for Agri Drone Demonstrations (Rs.)	7,50,000.00
10	Amount utilised for Agri Drone Demonstrations (Rs.)	7,54,000.00
11	Area covered under demos (area in ha) 2022	316.27 ha
	Area covered under demos (area in ha) 2023	30 ha
	Area covered under demos (area in ha) 2024	*53.4 ha
13	Operation carried out (Pesticide/Weedicide/Nutrient application) in demonstration organised	Pesticide & Nutrient application
14	Number of farmers participated during demonstration (2024)	*102
15	Advantages of using Agri Drones as observed during the demonstrations	Time & Water saving

Details of Demonstrations under Agri-drone Project

	Name of district	Date of demonstration	Place of demonstration	Crop Name	No. of demos	Area covered under demos (area in ha)	No of farmers participated
Demos on	Gumla	18-01-24	Tilhaitoli	Mustrard	9	9	28
insecticide	Gumla	19-01-24	Khorajamtoli	Mustrard	11	10.6	29
spray	Gumla	20-01-24	Sehal Bansitoli	Mustrard	13	12.8	30
	Gumla	12-04-24	Belaghra	Watermelon	2	1.76	1
Demos on weedicide spray	-	-	-	-	-	-	-
Demos on	Gumla	24-09-25	Shivrajpur	Rice	6	6	15
nutrient spray	Gumla	30-09-25	Shivrajpur	Rice	3	3.2	8

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

Out- scaling	Situations (Irrigated/ Rainfed)	Varieties used in FP	Yio (Kg	eld /ha)	YIOFP (%)	COC (Rs./ha)	GN (Rs.		ANMR (Rs./ha)	B:C ratio GMR/CoC	
scanng			IP FP			IP FP		IP FP		(KS./IIA)	IP	FP
BBM-1	Irrigated	PM-28	1654	1195	37.66	36750	32250	93451	67518	56701	2.54	2.09

<u>S.N</u>				No of
0	Item /Activity	Units	Quantity	beneficiaries
1	Training (Capacity building /skill development etc)			
1.1	1-3 days	No.	07	
	Frontline demonstration (FLDs) and other			
2	demonstrations			
		Hectar		
2.1	Area under FLDs	e	40	110
3	Awareness camps, exposure visit etc	No.	09	194
4	Input Distribution			
4.1	Seeds (Field Crops)	Kg	240	110
4.2	Small equipment's (Upto ₹ 2000)	No.	50	50
4.3	Large equipment's (more than ₹2000)	Nos.	60	60
			5250 kg and 42	
4.4	Fertilizers (NPK)/ Secondary/ Micro Fertilizers	Kg	lit	110
4.5	Plant Protection chemicals	Lit.	ı	-
5	Distribution of Literature	No.	150	150
6	Kisan Mela	No.	01	819
7	Any other (Exposure visit)	No.	01	37
8	Total Budget Utilized	Rs	642	151

12. OTHER INDFROMATION

12.1 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	tails of KVK Der Module details (Component- wise)	Area under IFS (ha)	Production (Commodity- wise)	Cost of production in Rs. (Componentwise)	Value realized in Rs. (Commodity- wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Rainwater harvesting pond	0.12	-	-	-		
2	HD Guava	0.50	-	10710.00	-		
3	Pomegranate	0.31	-	-			
4	Vegetables	0.20	6.69	5132.00	12740.00		
5	Crop	0.20	6.30	14806.00	24000.00		
6	Dairy						
	Milk	0.20	905 lit		45250.00		
	Cow & Calf		02 no		10000.00		
	Urine		205 lit	285694.00	1025.00		
	Cow dung		19.35 q		3870.00		
	Vermicompost		127.35		128820.00		
7	Goat						
	Kids	0.30	07 no		14000.00		
	Goat		04 no 09 no	38496.00	32000.00 54000.00		
	Goat dung		10 q		10000.00		
8	Duck Duck Egg	0.013	35 no	2406.00	245.00		
9	Mushroom	0.0016	-	_	_		
10	Vermicompost	0.0017	109 q	59009.00	105600.00 2520.00		
11	Jeevamruth	0.004	200 lit	-	3000.00		
12	Pig	0.033	01 no 07 no	102117.00	15000.00		
	Piglet		36 no	102117.00	105000.00 114600.00		
	rigiei		278.69 q		114000.00		
	Total		1310.0 Lit 101.0 no	518370.00	704350.00		

b. Activities under IFS

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

12.2 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service: NA

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

. PPV & FRA Programme : NA

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

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

Date/ Duration	Total No of Activities	No. of Participants				
of Observation	undertaken	Staffs	Farmers	Others	Total	
02/10/24	01	01	545		546	
09-15/10/24	02	02	180		182	
10/10/24	01	01	53		54	
11/10/24	01	01	06		07	
17/10/24	01	01	08		09	
18/10/24	01	02	44		46	
19/10/24	01	01	03		04	
21/10/24	01	02	48		50	
22/10/24	01	01	03		04	
23/10/24	01	01	03		04	
24/10/24	01	03	19		22	
25/10/24	01	01	06		07	
26/10/24	01	01	06		07	
28/10/24	01	01	08		09	
29/10/24	01	04	15		19	
30/10/24	01	03	14		17	
	17	26	961		987	

b. Observation of Swachta Pakhwada (15-30 Sep 2024)

Date/ Duration	T-4-1 N C A -42-242 J 4-1	No. of Participants			
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total
15/09/24	01	01	22		23
16/09/24	01	02	52		54
17/09/24	01	01	43		44
18/09/24	01	02	61		63
19/09/24	01	02	15		17
20/09/24	01	02	20		22

Date/ Duration	Total No of Astirities and autoban	No. of Participants			
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total
21/09/24	01	02	26		28
22/09/24	01	02	16		18
23/09/24	01	02	21		23
24/09/24	01	02	64		66
25/09/24	01	03	97		100
26/09/24	01	02	30		32
27/09/24	01	04	225		229
28/09/24	01	04	128		132
29/09/24	01	03	185		188
30/09/24	01	01	15		16
Total	16	35	1020		1055

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

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting		
S.No	Activities	Name of activities conducted	Total Expenditure
1.	Activities under Swachata Other than vermicomposting	Extension activities & Training	4648.00

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