Annual Report
2023

Krishi Vigyan Kendra
Saraiya, Muzaffarpur

Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar

Annual Report
2023

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

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

Published by: Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Compiled and
Edited by:

Dr. Anil Kumar Singh
Senior Scientist & Head
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Dr. Tarun Kumar
Subject Matter Specialist, Agriculture Engineering
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Mr. Pankaj Kumar
Subject Matter Specialist, Fisheries
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Mrs. Savita Kumari
Subject Matter Specialist, Home Science
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Dr. Rajneesh Kumar
Subject Matter Specialist, Crop Production
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Technical Support: Mr. Manoj Kumar
Programme Assistant (Computer)
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Mr. Suman Kumar
Stenographer
Krishi Vigyan Kendra, Saraiya, Muzaffarpur

Contents

PROFORMA FOR ANNUAL REPORT 2023 (01st January- 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Saraiya, PO – Saraiya Kothi, Dist. – Muzaffarpur, PIN – 843126	06223-255552	-	head.kvk.saraiya@rpcau.ac.in

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Dr. Rajendra Prasad Central Agricultural University (Bihar), Pusa, Samastipur, PIN – 818125	06274-240226	06274-240255	vc@rpcau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Anil Kumar Singh	Village+ P.O.- Saraiya	9431479521	head.kvk.saraiya@rpcau.ac.in

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

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

1.5. Year of start of KVK: 1997

1.5. Staff Position (as on 31st December 2023)

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic (Rs)	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/Others)
1.	Senior Scientist & Head	Dr. Anil Kumar Singh	Sr. Scientist & Head	Horticulture	135800/- 37400-67000	11/08/2023	Permanent	Others
2.	Subject Matter Specialist	Mr. Pankaj Kumar	SMS	Fisheries Science	15600-39100 65000/-	09/10/2018	Permanent	SC
3.	Subject Matter Specialist	Dr. Tarun Kumar	SMS	Soil and water Engineering	15600-39100 65000/-	12/10/2018	Permanent	SC
4.	Subject Matter Specialist	Mrs. Savita Kumari	SMS	Home Science	15600-39100 57800/-	05/03/2022	Permanent	OBC
5.	Subject Matter Specialist	Dr. Rajneesh Singh	SMS	Crop Production	15600-39100 57800/-	12/03/2022	Permanent	Others
6.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant (Lab Tech)	Vacant	-	-	-	-	-	-
9.	Programme Assistant (Computer)	Mr. Manoj Kumar	Programme Assistant (Computer)		9300-34800 42300	05/12/2017	Permanent	Others
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Kumari Pratibha	Assistant	-	9300-34800 38700	22/11/2017	Permanent	SC
12.	Stenographer	Mr. Suman Kumar	Stenographer	-	25500-81100 30500	27/02/2018	Permanent	OBC
13.	Driver(Jeep)	Mr. Ram Ekbal Singh	Jeep Driver	-	5200-20200	13/03/2003	Permanent	Others
14.	Driver (Tractor)	Mr. Randhir Kumar	Tractor Driver	-	5200-20200 23100	06/03/2021	Permanent	OBC
15.	Supporting staff	Mr. Amit Kumar	SSS	-	5200-20200 22800	21/08/2015	Permanent	Others
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha):

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

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

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

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

B) Vehicles

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

C) Equipment & AV aids

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

Cultivator	05.07.2021	29430	Good	DRPCAU, PUSA
Reaper Cum Binder	28.07.2021	342000	Good	DRPCAU, PUSA
Happy Seeder	01.12.2021	140000	Good	DRPCAU, PUSA
Zero till cum seed cum fertilizer	01.12.2021	72000	Good	DRPCAU, PUSA
Potato Planter	01.12.2021	217000	Good	DRPCAU, PUSA
c. AV Aids				
Computer	2006		Non-functional	ICAR
Computer	2015		Satisfactory	ICAR
Sony Handy cam	06.05.2005	24000.00	Good	ICAR
Ledger Fax	25.11.2006	21995.00	Non-functional	ICAR
Camera(Sony)DHC-H-50	15.03.2009	21999.00	Good	ICAR
PA system	28.03.2011	38063.00	Good	ICAR
Digital photocopier (Richo)	23.03.2012	74693.00	Need repair	ICAR
Camera	29.10.2013	4840.00	Non functional	ICAR
Stabilizer	25.03.2014	19081.00	Good	ICAR
Exhibition kit	30.03.2013	15890.00	Good	ICAR
Exhibition board	29.12.2013	4840.00	Good	ICAR
Laptop	25/04/2018	28100.00	Good	CSISA
Laptop	19/02/2019	215100.00	Good	ICAR
Desktop	22/02/2019	40848.00	Good	DAMU – AGROMET
Laptop	16/03/2019	49000.00	Good	DAMU – AGROMET
Digital Camera	01/04/2019	14900.00	Good	CSISA
Printer	06/04/2019	14000.00	Good	CSISA

D) Farm implements

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

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

1.8. Details SAC meeting* conducted in the year

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
28.07.2023	40	19	कृषि से संबंधित स्थानीय प्रमुख समस्याओं के आधार पर प्रशिक्षण कार्यक्रम आयोजित किए जाएं एवं अधिक से अधिक किसान लाभान्वित हो सके।	कृषि से संबंधित स्थानीय समस्याओं से कृषि यंत्रों का रख–रखाव एवं मरम्मती, मत्स्य रोग प्रबंधन, उन्नत बीज उपलब्धता, फल–सब्जी आदि की भंडारण संबंधी समस्याओं के विभिन्न प्रशिक्षण कार्यक्रम आयोजित किये गये जिसमें 210 किसान लाभान्वित हुए।	
			लीची उत्पादों से संबंधित प्रशिक्षण एन0 आर0 सी0 लीची. मुशहरी, मुजफ्फरपुर के साथ मिलकर आयोजित किये जाएं साथ ही बिक्री संबंधी समस्या एवं अन्य समस्याओं के समाधान का प्रयास किया जाय।	पौधा संरक्षण वैज्ञानिक का पद रिक्त हो गया है इस वित्तीय वर्ष में लक्ष्य का प्राप्त कर ली जायेगी। लीची के उत्पाद यथा ''लीची स्क्वैश'' आदि का प्रशिक्षण गृह विज्ञान वैज्ञानिक द्वारा निरंतर करवाई जा रही है तथा इसे अग्रिम पंक्ति प्रत्यक्षण में भी षामिल कर लिया गया है तथा इसका परिणाम भी सराहनीय है। हमारे मोतीपुर प्रखंड के किसान श्री दुर्गेश कुमार सिंह जी का लीची स्क्वैश उत्पाद बाजार में उपलब्ध है।	
			केन्द्र द्वारा आयोजित प्रशिक्षणों के प्रभाव को किसानों के सफलता की कहानी के रूप में आंकड़ों सहित अनुपालन प्रतिवेदन में समाहित किया जाय।	प्रशिक्षणों के प्रभाव के किसानों की सफलता की कहानी के रूप में आंकड़ों सहित समाहित कर अवलोकनार्थ संलग्न की गई है।	

<table>
<tr><td></td><td></td><td></td><td>मृदा परीक्षण हेतु चलंत मृदा परीक्षण प्रयोगशाला वाहन का प्रयोग किया जाय।</td><td>मृदा परीक्षण हेतु चलंत मृदा परीक्षण प्रयोगशाला वाहन का प्रयोग विभिन्न पंचायतों में किया गया है साथ ही कृषि विज्ञान केन्द्र, मांझी, सारण से भी 200 नमूना संग्रह कर जांच किया गया। विवरण निम्नांकित हैः–
<table>
<tr><td>पंचायत एवं प्रखंड</td><td>मिट्टी नमूना संग्रह</td></tr>
<tr><td>अंबारा, सरैया</td><td>40</td></tr>
<tr><td>दुबियाही</td><td>40</td></tr>
<tr><td>बखरा</td><td>40</td></tr>
<tr><td>मकेर</td><td>200</td></tr>
</table></td><td></td></tr>
<tr><td></td><td></td><td></td><td>किसानों का समूह बनाकर किसानों के प्रक्षेत्र में बीज उत्पादन कराने का प्रयास किया जाय।</td><td>द्वारिकानाथपुर, अनंतकरजा, भागवतपुर आदि ग्रामों में 03 किसान समूह बनाकर गेहूं, धान, सब्जी, मक्का, अरहर आदि का बीज उत्पादन किसानों के प्रक्षेत्र पर ही किया जा रहा है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>सभी कार्यक्रमों/प्रशिक्षणों में छात्रों को कृषि एवं कृषि से संबंधित विश्वविद्यालयों/कॉलेजों में पढ़ाई आदि की जानकारी मुहैया करायी जाये।</td><td>केन्द्र द्वारा आयोजित सभी प्रकार के प्रशिक्षण, जागरूकता अभियान, प्रक्षेत्र भ्रमण कार्यक्रमों आदि में कृषि एवं कृषि से संबंधित विश्वविद्यालयों/कॉलेजों में पढ़ाई आदि की जानकारी कृषकों, महिलाओं, विद्यार्थियों को भी दी जा रही है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>जिले के प्राकृतिक एवं जैविक खेती से संबंधित किसानों की विवरणी तैयार की जाय।</td><td>ग्राम–अमैठा, प्रखंड– सरैया के लगभग 15 किसान प्राकृतिक खेती को अपना कर खेती प्रारंभ कर चुके हैं तथा जिले के अन्य किसान जो प्राकृतिक खेती अपना चुके है, की विवरणी निम्न हैः–</td><td></td></tr>
<tr><td></td><td></td><td></td><td>सभी वैज्ञानिक अपने–अपने विषय से संबंधित आंकड़े सभी प्रखण्डों के विभागीय स्तर से प्राप्त कर संग्रहित करें।</td><td>केन्द्र के सभी वैज्ञानिक अपने–अपने विषय से संबंधित आंकड़े विभाग से प्राप्त कर ली गई है तथा वार्षिक प्रतिवेदन में संग्रहित कर दी गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>गृह वैज्ञानिक, जिले केहर्बल गुलाल बनाने वाली 40 महिला किसान का आंकड़ा एकत्रित कर प्रस्तुत करें।</td><td>गृह वैज्ञानिक जिले के 40 महिला कृषकों जो कि हर्बल गुलाल बनाती है, की सूची संलग्न की गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>पौधा संरक्षण वैज्ञानिक, एन0आर0सी0 लीची के वैज्ञानिकों के साथ मिलकर जिले के लिए लीची उत्पादन संबंधी आगामी रणनीति तैयार करें।</td><td>पौधा संरक्षण वैज्ञानिक का पद रिक्त हो गया है तथा रिक्ति के पहले से मातृत्व अवकाश लाभ पर थी जिस कारण जिले के लिए लीची उत्पादन संबंधी आगामी रणनीति तैयार नहीं की जा सकी इस वित्तीय वर्ष के इसकी उपलब्धी प्राप्त कर ली जायेगी।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>विश्वविद्यालय से संपर्क कर केन्द्र पर लीची, आम आदि पौधे किसानों के लिए उपलब्ध कराये जाये।</td><td>कृषि विज्ञान केन्द्र, बिरौली से आम,लीची,अमरूद आदि के लगभग 350 पौधें केन्द्र पर किसानों के लिए मंगा कर उपलब्ध करवाई गई है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>अगले वित्तीय वर्ष में चक्रिय खाता का लक्ष्य 25 लाख रुपये निर्धारित किया जाये।</td><td>इस वित्तीय वर्ष में केन्द्र के चक्रिय खाते में 19 लाख उपलब्ध है।</td><td></td></tr>
<tr><td></td><td></td><td></td><td>बिहार के चौथे कृषि रोड मैप के आधार पर प्रशिक्षण आयोजित किये जाये।</td><td>केन्द्र द्वारा आयोजित सभी प्रशिक्षण कार्यक्रमों का विषय बिहार के कृषि रोड मैप के आधार पर ही चयन किया गया था एवं सफलतापूर्वक कुल .....प्रशिक्षण.....लाभुकों का कराया</td><td></td></tr>
</table>

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

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants

वैज्ञानिक सलाहकार समिति की 20वीं बैठक की कार्यवाही

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

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

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

KRISHI VIGYAN KENDRA, SARAIYA MUZAFFARPUR BIHAR
(Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar)

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

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

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

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

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

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

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

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

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

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

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

10. पंकज कुमार SMS, Fisheries. KVK Saraiya.

क्र०सं०	नाम	पदनाम	पता	हस्ताक्षर
11	डा० नादिर अकतर	सहायक निदेशक	मुजफ्फरपुर	28.7.23
12.	छुट्टी प्रवासिनी	जिला विकास प्रबंधक उद्यान	मुजफ्फरपुर	28.07.23
13.	Dr. Nitesh Ku Sinha	T.V.O. Saraiya (For DAHO Muzaffarpur)	Saraiya	28/7/23
14.	अभिषेक रंजन	नामित सदस्य	Saraiya	Abhishek Ranjan
15	संतोष कुन्चौधरी	नामित सदस्य	Supna. Saraiya	Santosh
16.	रंजीत कुमार	सक्रिय किसान	सरैया	Ranjit
17	रश्मि कुमारी	सदस्य वैज्ञानिक सलाहकार	सरैया	रश्मि कुमारी
18	सुनैना देवी	सदस्य विज्ञानिक सलाहकार	सरैया	सुनैना देवी
19	शिवशंकर कुमार	NFBC (Online)	मुजफ्फरपुर	Shivshankar
20	सैयद कुमार	NABARD (Online)	मुजफ्फरपुर	
21	म०. नाज	चालक	मुजफ्फरपुर	
22	अशोक कुमार	चालक (DAO office)	मुजफ्फरपुर	अशोक कुमार
23	राजीव पासवान	चालक (Director office)	RPCAU	
24	अनुपम आर्द्रा	क्षेत्र प्रबंधक	KVK Saraiya RPCAU Pusa	Anup Ah
25	कुमारी प्रतिभा	सहायक	सरैया K.V.K Saraiya	Pratibha
26	सुमन कुमार	तकनीकि	K. V. K. Saraiya	
27.	काजोल कुमारी	SRF (CRA)	KVK Saraiya	Kajal Kumari
28.	सविता कुमारी	वि० व० वि० (गृहविज्ञान)	KVK Saraiya	सविता कुमारी
30	स्नेहा शिरवा	पौधा संरक्षण	K.V.K Saraiya	-

2.a. District level data on agriculture, livestock and farming situation (2023)

Sl.No.	Items	Information			
1	Major Farming System/enterprise	Cereal based farming system (Rice/Wheat/ Maize)			
		Pulses based farming system (Black gram/Pigeon pea/ Green gram/ Chick pea)			
		Oilseed based farming system (Sesamum / Mustard/Suflower/Linseed)			
		Agri –Horti. Based farming system			
		Livestock Rearing			
		Bee-keeping			
		Mushroom cultivation			
		Zero-tillage			
		Vermi-composting			
		Fisheries			
		Cereal based farming system (Rice/Wheat/ Maize)			
2	One district one product (NITI Ayog)	Litchi			
3	Agro-climatic Zone	Zone 1			
4	Agro ecological situation	Rain fed upland saline	• Salinity is major problem • Crops – Paddy, Wheat, Sugarcane, Pointedgourd, Water melon and orchard.		
		Irrigated upland	• Calcareous, loamy silt • Paddy, Sugarcane, Potato, Tobacco, Ginger, Rabi Maize, Turmeric, Green vegetable, Chilies • Dominance of vegetables.		
		Rain fed upland	• Calcareous loamy silt • Paddy, Sugarcane, Kharif Maize, Mustard, Chilli, fruits plant-Litchi, Mango and citrus.		
		Irrigated medium land	• Calcareous loamy soil • Cereals, Sugarcane, Summer Moong • Water logging problem		
		Lowland	• Low lying areas, inundated from July to November suitable for fish and Agri-fish system • Wheat / Moong after recede of water		
		Rain fed upland saline	• Salinity is major problem • Crops – Paddy, Wheat, Sugarcane, Pointedgourd, Water melon and orchard.		
4	**Soil type**	**Characteristics**	**Area in ha**		
	Alluvial, Sandy loam to loam in texture, calcareous in nature.	P^H – 6.5-9.5 Organic carbon – 0.20-0.75 % Available N – 150-350 Kg/ha Available P_2O_5 -- 25-50 Kg/ha Available K_2O – 100-300 Kg/ha Deficient in S, Zn & B	247721		
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	**Crop**	**Area (ha)**	**Production (MT)**	**Productivity (kg/ha)**
		Rice	33350	46148	1384
		Wheat	91868	258180	2810
		Maize	35038	54015	1542
		Gram	122	141	1156
		Lentil	907	635	700

		Pea	112	104	929	
		Moong	25355	13514	533	
		Arhar	492	856	1740	
		Rapeseed and Mustard	4787	3777	789	
		Linseed	54	47	875	
		Sunflower oil	6	9	1505	
		Sesamum	30	26	860	
6	Mean yearly temperature, rainfall, humidity of the district	**Month**	**Temperature (^{0}C)**		**Average Rainfall (mm)**	**Average Humidity (%)**
			Min Temp.	**Max Temp.**		
		January-2023	8.1	22.8	00	55.54
		February -2023	10.7	25.0	00	55.54
		March-2023	13.5	30.3	4.2	55.54
		April- 2023	19	40	11.6	55.54
		May- 2023	24.3	34.0	282.20	55.54
		June-2023	26.5	36.0	401.90	55.54
		July-2023	26.0	33.6	204.1	55.54
		August-2023	26.1	32.7	500.00	55.54
		September-2023	25.4	33.3	127.00	55.54
		October-2023	19.0	32.0	359.10	55.54
		November-2023	13.3	29.0	0.0	55.54
		December-2023	8.8	24.3	1.4	55.54
7	Production of major livestock products like milk, egg, meat etc.	**Category**	**Population (in thousands)**	**Production**	**Category**	
		Cattle				
		Exotic	101.0	4000L/lactation	Milk	
		Indigenous	142.5	1500/lacation	Milk	
		Buffalo	148.0	2400/lacataion	Milk	
		Goats	455	2-3 kids	Litter	
		Pigs	23.6	6-8 piglet	Litter	

Note: Please give recent data only

2.b. Details of operational area / villages (2023)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Muzaffarpur (East)	Saraiya	SaraiyaPokhraira, Biadih,hatauliya Madwapakhar,Bakhara. Paigambarpur,Ambara. Anandpur,Basokund, Bahilwara Ambara tej singh Basochak, Basudeo patti Ibrahimpur,Sujawal pur, Bishunpur basant urf Suba, Lakshmipur Arar, Biadih,Chitari,Rupauli Chandkewari	Paddy, Wheat, Vegetable, Vermi-composting, Mushroom cultivation, Organic farming, Protective cultivation of vegetables Use of farm machinery like	Low productivity due to use of traditional variety and indiscriminate use of chemical fertilizers and bio-pesticides Not aware about the importance of fodder crop	Improving the Production and productivity of cereals, oilseeds and pulses Income generation through mushroom and its value addition vermi-compost

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

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

2. c. Details of village adoption programme during 2023:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2023) for its development and action plan

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

2.1 Priority thrust areas of KVKs

S. No	Thrust area
1.	Improving the productivity of cereals, Oilseeds and Pulses.
2.	Promote Vermi- composting for sustainable agriculture.

3.	Farm Women empowerment through SHG in villages.
4.	Income generation through SHG beekeeping, Mushroom cultivation, Preservation of fruits and vegetables, Lac bangle.
5.	Resource Conservation Technology.
6.	Increasing the productivity of Livestock, Poultry, and Goatary& Fish.
7.	IPM of litchi and mango orchards.
8.	Promote IFS by farmers.
9.	SHG & farmers club formation.
10.	Quality Seed Production.
11.	Mushroom spawn production and cultivation
12.	Promotion of Azolla production as alternative feeding.
13.	Micro irrigation.
14.	Farm mechanization.
15.	Sustainable agriculture in climate change scenario.
16.	Integrated farming System.
17.	Integrated Fish Farming system

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2023

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
12	10	120	7	20	0	0	65	8	72	28	100	12	10	100	8	19	0	0	67	6	75	25	100

Training												Extension activities										
Number of Courses		Number of Participants										Number of activities		Number of participants								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
90	90	2500	348	363	-	-	1193	521	1538	883	2675	45	50	12000	1885	758	0	0	8761	2794	10646	3552	14198

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
2500	2675	47	30	0	0	125	75	172	105	277	12000	14198	47	28	0	0	276	89	323	117	440

Seed production (q)			Planting material (in Lakh)		
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
2 ha (Wheat-HD 2967)	69.9	Send to Directorate of Seed		0.9420	All
3 ha (Paddy- Rajshree)	75.0				
2 ha (Mustard- R.Suflam)	20.7				
1 ha (Moong- Virat)	8.5				

Livestock strains (in no's) and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0	0.20	500	0.1113

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

A	**Technologies assessed under various crops (Cereal Crop Production)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management	01	07	07
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries	01	07	07
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)	01	07	07
16	Cropping Systems			
17	Farm Mechanization			
18	Others	01	07	07
	Total	**04**	**28**	**28**
B	**Technologies assessed under various crops (Hort crops.)**			
	Thematic areas	**Number of the technologies (Technology Interventions)**	**No. of trials**	**No. of Locations**
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
C	**Technologies assessed under livestock & Fisheries by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Disease & Health Management	01	07	07

2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management	01	07	07
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	**02**	**14**	**14**
D	**Technologies assessed under miscellaneous enterprises by KVKs**			
	Thematic areas	**No. of technologies (Technology Interventions)**	**No. of trials**	**No. of locations**
1	Drudgery reduction			
2	Entrepreneurship Development			
3	Health and nutrition			
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	01	07	07
5	Others			
	Total	**01**	**07**	**07**

3.2.2 OFT Discipline: Fisheries Science 1

- **Thematic area:** Fish Production & Disease Management
- **Problem definition/Name of OFT: Assessment of efficacy of chemotherapeutics against prevalent disease in Muzaffarpur district i.e., Argulosis.**

1.	Title of On farm Trial	**Assessment of efficacy of chemotherapeutics against prevalent disease in Muzaffarpur district i.e., Argulosis.**
2.	Problem diagnose	Argulosis causes a potential rapid escalation of infection, causing substantial economic loss to the aquaculture industry.
3.	Details of technologies selected for assessment/refinement	**Technology Option I:- Farmer's Practice** Use of insecticide (Cypermethrine) @ 50 ml/acre/meter depth **Technology Option II:-** Use of lactoclean @ 40gm/acre/meter depth **Technology Option III:-** Use of CIFRI-ARGCURE @ 40ml/acre/meter depth
4.	Source of Technology	CIFRI, Barrackpore, West Bengal
5.	No. of Replications	07
6.	Production system and thematic area	Fish Production &Disease Management
7.	Performance of the Technology with performance indicators	Prevalence (%), Intensity of disease, Antiparasitic efficacy (%), Mortality (%)
8.	Constraints identified and feedback for research	CIFRI-ARGCURE was found more effective against Arugulas. Further research may be conducted to assess its efficacy against other fish ectoparasites.
9.	Process of farmers participation and their reaction	Random sampling and Group meetings.

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

Results: An On-farm trial was conducted to study the efficacy of chemotherapeutics against prevalent disease in Muzaffarpur district i.e., Argulosis. Which a crustacean ecto-parasitic disease, most common and predominant disease causes serious loss to aquaculture industry. Infected fish when treated with CIFRI-ARGCURE as per technology option TO2, shows higher anti-parasitic efficacy (86.95%) than treatment option used in farmers practice FP (80.95%) and TO1 (31.70%). Mortality rate was also found to be least in technology option TO2 (10%) than treatment option used in FP (23%) and TO1 (39%). Assessment provides a significant basis for use of CIFRI-ARGCURE solution @40ml/acre/meter depth for the treatment of fishes infected with ectoparasites Argulus.

Table 1: Effect of different chemotherapeutics against Argulosis disease.

Sl. No.	Treatment	Prevalence			Prevalence %	Intensity (Mean)	No. of *Argulus sp.* after treatment (T)	Antiparasitic efficacy (AE) [B-T/B*100] (%)	Mortality %
		No. of fish examined	Infected	No. of *Argulus sp.* (B)					
1.	Farmer's practice Use of insecticide (Cypermethrine) @ 50 ml/acre/meter depth	120	46	1995	38.33	43.36	380	80.95	23
2.	TO1 Use of lactoclean @ 40gm/acre/meter depth	135	53	1230	39.25	23.20	840	31.70	39
3.	TO2 Use of CIFRI-ARGCURE @ 40ml/acre/meter depth	112	76	1748	67.85	23	228	86.95	10

Distribution of CIFRI-ARGCURE and other input

Sampling for observation &data collection

Fisheries 2:

- **Thematic area:** Fish Production & Disease Management
- **Problem definition/Name of OFT: Assessment of efficacy of chemotherapeutics against prevalent disease in Muzaffarpur district i.e., Argulosis.**

1.	Title of On farm Trial	**Assessment of effect of nanoparticles based fish feed additive on promoting growth, better feed utilization and disease resistance in fish.**
2.	Problem diagnose	Reduced fish production due to improper use of feed and disease occurrence.

3.	Details of technologies selected for assessment/refinement	**Technology Option I (Farmer' Practice):** Use of DORB + MOC (1:1)
		Technology Option II:- Use of formulated feed additive Nanoplus @CIFA
		Technology Option III:- Use of commercially available fish feed additive
4.	Source of Technology	ICAR-CIFA, Bhubaneswar, Odisha
5.	No. of Replications	07
6.	Production system and thematic area	Composite fish culture system
7.	Performance of the Technology with performance indicators	Fish yield (ton/ha), net return (rs./ha), Gross return (rs/ha), B:C ratio
8.	Constraints identified and feedback for research	Nanoplus@CIFA shows the best results in IMC fishes it may tested on other fishes and growth parameters may be observed,
9.	Process of farmers participation and their reaction	Through physical visits & Personal interview

Results: An On-farm trail was conducted at 07 different locations in Muzaffarpur district of Bihar for 90 days to assess the effect of nano-particle based fish feed additive on growth of fish. The result showed that the fishes fed with nano-particle incorporated feed (TO1) with highest weight gain % i.e., 478.86% in comparison to others 320.75% (FP) and 356.40% (TO2). The fishes in TO1 also showed highest specific growth rate (1.95%) than others 1.59% and 1.68% in FP and TO2 respectively. TO1 with nano-particles incorporated fish feed also conferred the highest fish production and BC ratio i.e., 2.60 as compared to FP using de-oiled rice bran (DORB) and TO2 using other fish feed additive, 1.99 and 2.48 respectively. So, the technology option TO1 (Nanoplus@CIFA) may be the best option to promote the growth of fishes.

Table 2: Growth parameters of IMC fish fed with different feed additives

Sl. No.	Treatment	Weight gain (%)	SGR (%)	Fish production (kg/ha)	Cost (Rs/ha)	Gross Return (Rs./ha)	Net Return (Rs./ha)	BC ratio
1	Farmer's practice (FP) Use of DORB + MOC (1:1)	320.75±0.21	1.59	3027.75	220000	454162.50	234162.50	2.06
2	TO1: Use of formulated feed additive Nanoplus @CIFA	478.86±3.5	1.95	4348.47	246000	652270.50	406270.50	2.65
3	TO2: Use of commercially available fish feed additive	356.40±1.65	1.68	3910.65	230000	586597.50	356597.50	2.55

Distribution of Nanoplus@CIFA feed

Sampling for observation & data collection

OFT (SMS-Soil and Warter Engineering)

- **Thematic area: Farm Machinery**
- **Problem definition/Name of OFT:** Assessment of low-cost Mulching in Vegetable Crop production

1.	Title of On farm Trial (OFT)	Assessment of low-cost Mulching in Vegetable Crop production
2.	Problem diagnosed	Evaluating low-cost mulching in vegetable production reveals variations in yield, costs, and profitability.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: No mulch Technology Option II:- Banana leaf mulch Technology Option III:- Crop Residue mulch
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IGKV, Raipur, (C.G.)
5.	Production system and thematic area	7
6.	Performance of the Technology with performance indicators	Soil temperature (°C) at 5 cm depth, weed density, Soil moisture, Yield q/ha, Increase in yield, Net Return (Rs./ha) and BC Ratio
7.	Final recommendation for micro level situation	Soil testing must be done before and after the application of biodegradable mulch to check its effect & Calculate weed population at different period.
8.	Constraints identified and feedback for research	1. Explore cost-effective alternatives to banana leaf mulch to enhance economic feasibility. 2. Investigate reasons behind the negligible yield increase without mulching. 3. Assess the long-term impact of different mulching options on soil health and crop resilience.
9.	Process of farmers participation and their reaction	Farmers adopting banana leaf mulch may express satisfaction with increased yields and returns.

Results: The Results shows that banana leaf mulch had the highest yield per hectare (168.82 q/ha) compared to no mulch (127.69 q/ha) or crop residue mulch (156.48 q/ha). It also had the highest increase in yield (24.36%), followed by crop residue




Demonstration Field with Farmers and Crop cutting done by KVK, Scientist | **Banana leaf and crop residue mulch** | **Cauliflower crop with mulching**

mulch (18.40%) and then no mulch (0%). The cost of cultivation was highest for banana leaf mulch (92000 Rs/ha), followed by crop residue mulch (89600 Rs/ha) and then no mulch (88560 Rs/ha). The gross return was highest for banana leaf mulch (303876 Rs/ha), followed by crop residue mulch (281664 Rs/ha) and then no mulch (229842 Rs/ha). The net return was also highest for banana leaf mulch (211876 Rs/ha), followed by crop residue mulch (192064 Rs/ha) and then no mulch (141282 Rs/ha). The benefit cost ratio was highest for banana leaf mulch (2.30), followed by crop residue mulch (2.14) and then no mulch (1.60).

Table 15: The Assessment low-cost Mulching **incorporation on yield & economics of** Vegetable Crop production**.**

Treatments	Yield q/ha	Increase in yield	Result: Cost of cultivation	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
No mulch	127.69	Nil	88560	229842	141282	1.60
Banana leaf mulch	168.82	24.36	92000	303876	211876	2.30
Crop Residue mulch	156.48	18.40	89600	281664	192064	2.14
SEM (±)	12.185					
CD (5%)						

Table : Soil temperatures : Soil temperature (°C) at 5 cm depth

Treatments	3 days after sowing			30 days after sowing			60 days after sowing		
	8:00 AM	12:00 PM	5:00 PM	8:00 AM	12:00 PM	5:00 PM	8:00 AM	12:00 PM	5:00 PM
FP: No mulch	**14.27**	**18.12**	**17.08**	**17.25**	**19.42**	**18.54**	**21.25**	**24.45**	**23.45**
TO1: Banana leaf mulch	**16.35**	**20.35**	**19.13**	**20.24**	**22.52**	**21.85**	**24.56**	**28.54**	**27.14**
TO2: Crop Residue mulch	**15.84**	**19.25**	**18.14**	**19.85**	**20.54**	**20.12**	**22.84**	**26.85**	**25.56**

Table Total weed density (numbers of weeds per square meter) and Soil moisture:

	Weed count (No. of weeds/ m^2)		Soil moisture (%)	Percent soil moisture increased
Treatments	**30 days**	**60 days**	**15 cm Depth**	
FP: No mulch	**68**	**74**	**9.85**	**-**
TO1: Banana leaf mulch	**24**	**48**	**13.65**	**22.65**
TO2: Crop Residue mulch	**35**	**56**	**12.24**	**18.35**

OFT (SMS-Soil and Water Engineering)

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

1.	Title of On farm Trial (OFT)	Assessment of different weeding tools in paddy crop
2.	Problem diagnosed	Traditional weeding method of paddy resulted high cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP: Manually by local hand tools Technology Option II:- Manual inter culturing with Cono Weeder Technology Option III:- Inter culturing with power weeder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IGKV, Raipur, (C.G.)
5.	Production system and thematic area	7
6.	Performance of the Technology with performance indicators	Weed population (for 20 and 40 DAS(No./m2), Weeding Efficiency 20 and 40 DAS, Man hours (h/ha), Cost of operation, **Yield q/ha, Increase in yield, Net Return (Rs./ha) and BC Ratio**
7.	Final recommendation for micro level situation	Adopt the modified power weeder for upland paddy at 20 and 45 DAS for efficient, cost-effective weed management, and enhanced economic returns.
8.	Constraints identified and feedback for research	• Manual labor-intensive methods incur high operational costs. • Optimize power weeder efficiency and field capacity. • Explore cost-effective measures for manual and power weeding. • Investigate reasons behind the weed population increase post-mechanical weeding.
9.	Process of farmers participation and their reaction	Positive response to the modified power weeder for its high efficiency and fuel-friendliness.

Results:

Weeds pose significant challenges in paddy production, with herbicides being a quick but environmentally and human health-adverse solution. To address these concerns, mechanical weeding, particularly using a modified power weeder, was tested for upland paddy at 20 and 45 days after sowing (DAS). The modified power weeder exhibited the highest Weeding Efficiency at 85.90% and 93.58% at 20 and 45 DAS, respectively, proving efficient and fuel-friendly (0.63 to 0.73 l/h). It performed comparably to the Cono weeder with weeding efficiencies of 62.04% and 72.36% at 20 and 45 DAS. The power weeder demonstrated cost-effectiveness at ₹1050/- per hectare, contrasting sharply with Cono weeder costs of ₹5040/- and ₹4672/- at 20 and 45 DAS. Hand weeding excelled in efficiency but incurred higher operational costs.

Table: Performance of Mechanical and Hand Weeding Methods and Economic Field Comparison of Different Treatments in Paddy.

Parameters		Manually by local hand tools (T1)	Manual inter culturing with Cono Weeder (T2)	Inter culturing with power weeder (T3)	SEM (±)	CD (5%)
Weed population (for 20 DAS(No./m2)	Before weeding	227	137	178	26.015	45.05
	After weeding	32	52	47	6.009	10.40
Weeding Efficiency 20 DAS		85.90	62.04	73.60	6.88	11.93
Weed population (for 40 DAS(No./m2)	Before weeding	187	123	167		
	After weeding	12	34	23		
Weeding Efficiency 40 DAS		93.58	72.36	86.23		
Effective field capacity (ha/h)			0.012	0.065		
Man hours (h/ha)	20 Das	227	96	17		
	40 Das	212	89	16		
Cost of operation	20 Das	11917.50	5040.00	1050.50		
	40 Das	10530.00	4672.50	940.00		
Yield Qt./ha		38.75	42.86	46.87		
Cost of Cultivation		41500	40500	38700		
Gross Income		84591.25	93563.38	102317.2		
Net Income		43091.25	53063.38	63617.21		
B:C Ratio		1.04	1.31	1.64		

Demonstration Field with Farmers

Demonstration Field with Farmers

Crop cutting done by KVK, Scientist

Crop cutting done by KVK, Scientist

Home Science: 1

- **Thematic area:** Value addition
- **Problem definition/Name of OFT:** Development of plant based low cost herbal gulal

1	Title	Development of plant based low-cost herbal Gulal
2	Problem diagnose	Scientific tests have verified that synthetic dye-based 'holi' powder can cause skin abrasions, eye irritation, allergy and can even trigger asthma.
3	Details of Technologies selected for assessment/refinement	
	Farmer's Practice (FP):	Use synthetic colour and arrowroot powder as ingredients in holi powder
	Technology option I (TO- I)	Use of kitchen products and its residue :- Arrowroot Powder (1 kg) + Beetroot Juice(750 ml)/Raw turmeric paste (300 gm)/Marigold flower paste (750 gm /Flat bean leaves (1 kg)
	Technology option II (TO- II) :	Aqueous solution of food color + Arrowroot Powder of 10% concentrations for three different colour were prepared.
4	Source of technology	DRPCAU, Pusa, Samastipur &AAU, Jorhat, Assam
5	Replication	7
6	Production System & Thematic area	Value addition
7	Critical input	Arrowroot Powder, Beetroot Juice, Raw turmeric paste, Marigold flower paste, Flat bean leaves, synthetic colour and food colour
8	Performance of Technology with performance indicator	Shelf life after 3, 6, 9 and 12 months, Packaging material, B:C Ratio
9	Process of farmers participation and their reaction	One-to-one interaction with farmers and Demonstration

Results: A plant based low-cost herbal Gulal- done with 7 farmers. In which on the basis of evidence it was seen that Technology- I was more accepted by the people. Its initial assessment was 4.7 and BC ratio was 2.0, followed by Technology-II. It is moderately accepted by the people. Its ratio is 1.25. Also Technology-I&II did not show any change in the color quality mentioned above during storage at room temperature in the dark in sealed plastic packets between immediately after manufacture and one year after manufacture. The BC ratio of Gulal made in the practice of farmers is the lowest with a value of 1.14.and when stored in sealed plastic packets at room temperature in the dark, it was observed that the color quality showed changes immediately after manufacturing and within three months of manufacturing.

Table 1: Development of plant based low cost herbal gulal

Treatments	Sensory evaluation	Self life (3, 6, 9 & 12 months)	Result: Cost of cultivation	Gross return (Rs./kg)	Net Return (Rs./kg)	BC Ratio
FP	2.8	3	Rs- 350/ kg gulal	400	50	1.14
T_1	4.7	12	Rs.- 200 / kg herbal gulal	400	200	2.00
T_2	4	12	Rs. – 320/kg food colour based herbal gulal	400	80	1.25

Making herbal gulal as per technology-1 and technology-2 and distribution of ingredients for making herbal gulal.

Technology Option 1

Technology Option 2

Crop Production: 1

- **Thematic area: Crop Production**
- **Problem definition/Name of OFT: Organic cultivation package in Cauliflower.**

1.	Title of On farm Trial (OFT)	Organic cultivation package in Cauliflower.
2.	Problem diagnosed	Excessive use pesticides in cauliflower cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technological Options: Technology Details **Farmer Practice:** Application of 5 MT FYM/ha + 32kg N + 23kg P2O5 + 15kg K2O/ha through inorganic source **Technological Option 1:** Application of 5 MT FYM + 25% of RDF (NPK) through organic source **Technological Option 2:** Seed and seedling treatment with Beejaamrit + 3 spray of Jeevaamrit at 21 days interval +

		application Ghanjeevaamrit @ 1q/ha as basal application and 30 DAS
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Ram Krishna Mission, KVK, Ranchi & National Centre on Organic Farming, Ghaziabad
5.	Production system and thematic area	**Crop Production**
6.	Performance of the Technology with performance indicators	Plot size (10x10 m2)/ in each tech. option, soil data before and after (pH, EC, OC, NPK,), Yield data
7.	Final recommendation for micro level situation	• On the basis of OFT result **Cauliflower** crop with application of Seed and seedling treatment with • Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application • Ghanjeevaamrit @ 1q/ha as basal application and 30 DAS
8.	Constraints identified and feedback for research	Farmers grow of **Cauliflower under Organic cultivation** without chemical fertilizer.
9.	Process of farmers participation and their reaction	Training and field day

Result: Conducted OFT at 07 locations on Organic cultivation package in Cauliflower. Results of the trials indicates that (T3) application of Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application of Ghanjeevaamrit @ 1q/ha as basal application higher yield 165.56q/h followed by (T2) application of 5 MT FYM + 25% of RDF (NPK) through organic source increases the yield of 155.45 q/ha and FP (T1) application of 5 MT FYM/ha + 32kg N + 23kg P2O5 + 15kg K2O/ha through inorganic source which yield 135 q/ha. The highest net return (Rs.126720/ha) and BC ratio (3.26) was recorded in T3 followed by T2 (2.76) and T1 (2.02).

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

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Yield (q/ha)**	**Cost of cultivation(Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs./ha)**	**BC ratio**
		Proposed	**Actual**					
Crop Production	PF	2.5	2.5	135	44680	135000	90320	2.02
	T1			155.45	41250	155450	114200	2.76
	T2			165.56	38840	165560	126720	3.26

Data collection

Cauliflower field

Data collection

Crop cutting

Crop Production: 2

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

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen use efficiency in rice.
2.	Problem diagnosed	Excessive use of chemical fertilizer and Spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	• Technological Options: Technology Details • Farmer Practice: RDF (100:40:20) Kg/ha • Technological Option 1:50% of RDN & 100% PK + nano urea • @4ml/lt. water (Single spray at pre flowering stage). • Technological Option 2: 50% of RDN & 100% PK + 2 sprays of • Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Ranchi and Dr RPCAU, Pusa, ICAR RCER, Patna)
5.	Production system and thematic area	**Crop Production**
6.	Performance of the Technology with performance indicators	Plot size (10x10 m2)/ in each tech.option, soil data before and after (pH, EC, OC, NPK,), Yield data,No. of effective tillers/m2,1000 grain weight, Panicle weight, Grainand Straw yield and Economics.

7.	Final recommendation for micro level situation	On the basis of OFT result **Cauliflower** crop with application of Seed and seedling treatment with Beejaamrit + 3 spray of Jeevaamrit at 21 days interval + application Ghanjeevaamrit @ 1q/ha as basal application and 30 DAS
8.	Constraints identified and feedback for research	Farmers grow of **Cauliflower under Organic cultivation** without chemical fertilizer.
9.	Process of farmers participation and their reaction	Training and field day

Result: Conducted OFT at 07 locations on Improvement of Nitrogen use efficiency in rice. Results of the trials indicates that (T_3) 50% of RDN & 100% PK + 2 sprays of Nano Urea at (25 to 30 days) and (60-65 days) @ 4 ml/lt water higher yield 42.57q/h followed by FP (T_1) RDF (100:40:20) Kg/ha increases the yield of 41.42q/ha and (T2) 1:50% of RDN & 100% PK + nano urea @4ml/lt. water (Single spray at pre flowering stage) which yield 38.85 q/ha.The highest net return (Rs. 58430/ha) and BC ratio (1.69) was recorded in T3 followed by T1 (1.78) and T2 (1.32).

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

Thematic area	**Technology options with detailed treatments**	**Area (ha in crop & Fodder)/ Nos (in livestock)**		**Yield (q/ha)**	**Cost of cultivation(Rs./ha)**	**Gross return (Rs/ha)**	**Net return(Rs./ha)**	**BC ratio**
		Proposed	**Actual**					
Crop Production	PF	2.5	2.5	41.42	32500	90420	57919	1.78
	T1			38.85	36500	84810	48309	1.32
	T2			42.57	34500	92930	58430	1.69

sprays of Nano Urea at (25 to 30 days)

sprays of Nano Urea at (25 to 30 days)

Crop cutting

Data collection

3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2023

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo (q/ha)	Yield in check (q/ha)
	Cereals	**02**	**2.5 h**	**20**		
	Oil Seed					
	Pulses					
	Horticulture Crops					
	Other crops					
	Hybrid crop					
	Livestock					
	Fisheries	**01**	**05 h**	**10**	**72.50**	**57.50**
	Other enterprises					
	Women empowerment					
	Farm Machinery	**02**	**04 h**	**20**		
	Grand Total					

B. Details of FLDs conducted during the year 2023

1. Cereals

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat	Crop Production	HD-2967 with line sowing	10	2.5	48.50	39.50	22.78	34500	103062.50	68562.50	1.98	37550	83937.50	46387.50	1.23
Paddy	Crop Production	R.Rajshre with line sowing	10	2.5	47.50	33.80	40.53	35500	103692.50	68192.50	1.92	38950	73785.40	34835.40	0.89
Total															

2. Oilseeds

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

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

3. Pulses

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

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

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

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

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

5. Other crops

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

6. Demonstration details on crop hybrid varieties

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

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

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

7. Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	

Piggery																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Total																	

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

8. Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps	**Composite fish culture**	**Effect of CIFAX**	**05**	**05**	**72.50**	**57.50**	**26.08**	**30/770**	**24/550**	**2.55**	**5.50**	**2.95**	**2.15**	**2.70**	**4.05**	**1.35**	**1.5**
Mussels																	
Ornamental fishes																	
Others (pl. specify)																	
		Total															

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

9. Other enterprises

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

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

10. Women empowerment

Name of technology	**No. of demonstrations**	**Name of technology**	**Observations**		**No. of Beneficiaries**
			Check	**Demonstration**	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique	01	Use of Hermetic bag for storage of grains			25
Value addition	01	Praparation of litchi squash			10
Women Empowerment					
Others					
Total - Women	02				35
Children					
Health and nutrition					

Others					
Total - Children					
Other if any					
Total others	02				35
Grand Total	02	0			35

11. Farm implements and machinery

Category	**No. of FLDs**	**Name of the implement**	**Crop**	**No. of Farmer**	**Area (ha)**	**Filed observation (output/man hour)**		**% change in major parameter**	**Labor reduction (man days)**	**Cost reduction (Rs./ha or Rs./Unit)**
						Demonstration	**Check**			
Sowing and planting tools and machineries	01	Potato planter	Potato	10	2.8	08	265	94.44	34	14280.00
Total Sowing and planting Machineries	02	Three-wheel hoe weeder	Maize	10	4	79.86	279.23	71.39	25	10466.92
Intercultural operation tools and machineries										
Irrigation management tools and machineries										
Plant protection tools and machineries										
Harvesting tools and machineries										
Postharvest processing tools and machineries										
Total mechanization tools and machineries										
Others										
Total of Others										

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

Extension and Training activities under FLD

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended	Remarks
1.	Field Days	18.01.2023	20	
		02.03.2023	25	
		06.03.2023	10	
		25.04.23	10	
		24.04.2023	11	
		17.05.2023	20	
		04.11.2023	50	
		06.11.2023	30	
		10.11.2023	10	
		12.11.2023	06	
		17.11.2023	07	
2.	**Farmers Training**	22.09.2023, Pokhraira, Saraiya	30	
3.	**Farmers Training (SCSP)**	28.12.2023, KVK Saraiya	25	

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Crop	Feed Back
1.	Potato Planter	Efficient: 94.44% increase in output per man-hour. Effective: 34 man-days saved. Cost-Effective: ₹14,280.00 cost reduction per hectare.
2.	Three-wheel hoe weeder	Effective: Three-wheel hoe weeder demonstrated 79.86% increase in output per man-hour. Efficient: Labor reduction by 25 man-days. Cost-Effective: ₹10,466.92 cost reduction per hectare.

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

(During Kharif, Rabi and Summer)

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha) 7 years	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Rapeseed & Mustard	Local	13.28	12.6	13.75	22.00	R. Sufalam INM & IPM	101	50	15.5	13.28	14.24	48.01	35.65	-15.28

2. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	R. Suflam INM&IPM	25000.00	58764	33764	1.35	25700	82526.25	56826.25	2.21

3. Socio-economic impact parameters

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.	Rapeseed & Mustard (R. suflam)	1580.00	1600.00	50.50	10.00	67 kg	Agriculture & Education	In crop season, 26 mandays

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Improved variety, INM & IPM	1. Oil and oil seed cake used for human and animals respectively. 2. As it is profitable enterprise, 3. Increased the house hold income.	Higher yield and oil percentage	This socio-economic status may be uplifted because of less cost involvement and high feasibility of adoption by small and marginal famers.	Oil extracting small scale industries is not available as if it will produce at large scale.	Up to large scale	1. System approach must be promoted. 2. Line sowing/ seed sowing through zero tillage/ seed cum fertidrill for getting higher yield.

C. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Medium height, more siliqua, high oil content and grain yield	High yield and oil content	High yield and oil content	Good performance and ready for accepting variety for next year

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended

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

F. Farmers' training photographs

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

H. Details of budget utilization

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rapeseed & mustard	i) Critical input	240000.00	**173078.00**	133393.00
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	240000.00	**173078.00**	***86678.00***

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

(During Kharif, Rabi and Summer)

4. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha) 7 years	Yield gap (q/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Lentil	Local	9.50	05.49	09.33	15.50	Improved Variety- IPL-316, INM & IPM	50	20	11.60	09.48	10.54	47.91	11.48	42.31
2	Moong	Local	7.40	7.26	6.95	15	Improved Variety- IPM-205-07, INM & IPM	50	20	9.60	7.40	8.50	14.59	18.24	76.47

5. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Improved Variety- IPL-316, INM & IPM	29700	54300	24600	1.82	26500	69000	42500	2.60
2	Moong Improved Variety- IPM-205-07, INM & IPM	20500	57387	36887	1.79	22600	74448	51848	2.29

6. Socio-economic impact parameters

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/household)
1.	Lentil Improved Variety- IPL-316, INM & IPM	1180.00	1800.00	55	10.00	67	Agriculture & Education	In crop season, 29 mandays
2	Moong Improved Variety- IPM-205-07, INM & IPM	740.00	1600.00	77.55	10.00	45	Agriculture & Education	In crop season, 33 mandays

I. Pulses Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Improved variety, INM & IPM	Pulse is important for nutritional security and soil health.	Higher protein percentage, Medium plant height, nutritional and food pulse security of the house hold,	This component is economically compatible with the prevalent farming system of the district and it needs not heavy investment so that it can be adopted even by small and marginal famers.	1. Pulse industries are not available as if it will produce at large scale. 2.Effective procurement policy is not available	Up to large scale	1. System approach must be promoted.

J. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Medium height, more siliqua, high oil content and grain yield	High yield and oil content	High yield and oil content	Good performance and ready for accepting variety for next year

3.3 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES

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

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	4	71	51		7	6	13	0	0	0	78	57	135
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	1	0	12	12	0	3	3	0	0	0	0	15	15
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development	3	0	115	115	0	17	17	0	0	0	0	132	132
Value addition	3	25	35	60	0	10	10	0	0	0	25	45	70
Income generation activities for empowerment of rural Women	1	0	11	11	0	9	9	0	0	0	0	20	20
Location specific drudgery reduction technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Rural Crafts	1	0	14	14	0	6	6	0	0	0	0	20	20
Capacity building													
Women and child care													
Others, if any	1	8	13	21	0	0	0	0	0	0	8	13	21
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices	1	16	2	18	3	0	3	0	0	0	19	2	21
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post-Harvest Technology	1	5	20	25	5	5	10	0	0	0	10	25	35
Others, if any	4	65	16	81	12	22	34	0	0	0	77	38	115
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming	2	38	7	45	12	2	14	0	0	0	50	9	59
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	1	18	2	20	1	0	1	0	0	0	19	2	21
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	23	246	298	422	40	80	120	0	0	0	286	378	664

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	15	27	42	6	7	13	0	0	0	21	34	55
Bee-keeping				0			0	0	0	0			
Integrated farming	2	67	3	70			0	0	0	0	67	3	70
Seed production	1	18	0	18	3	0	3	0	0	0	21	0	21
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	10	7	17	2	6	8	0	0	0	12	13	25
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Micro Irrigation	1	18	2	20	3	0	3	0	0	0	21	2	23
Repair and maintenance of farm machinery and implements	2	38	5	43	1	3	4	0	0	0	39	8	47
Solar Energy	1	19	4	23	2	0	2	0	0	0	21	4	25
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition	1	3	35	38	0	12	12	0	0	0	3	47	50
Production of quality animal products													
Dairying	2	44	5	49	10	0	10	0	0	0	54	5	59
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Para vets													
Para extension workers													
Composite fish culture	3	63	12	75	9	1	10	0	0	0	72	13	85
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	16	295	100	395	36	29	65	0	0	0	331	129	460

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	13	9	22	2	1	3	0	0	0	15	10	25
Value addition	1	9	10	19	6	3	9	0	0	0	15	13	28
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													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	2	22	19	41	8	4	12	0	0	0	30	23	53

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	20	14	34	4	2	6	0	0	0	24	16	40
Resource Conservation Technologies													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Cropping Systems													
Crop Diversification													
Integrated Farming	2	21	13	34	3	8	11	0	0	0	24	21	45
Water management													
Seed production													
Nursery management													
Integrated Crop Management	1	17	2	19	1	0	1	0	0	0	18	2	20
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	4	24	28	52	7	20	27	0	0	0	31	48	79
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards	1	11	1	12	5	3	8	0	0	0	16	4	20
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post-harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management	1	20	0	20	4	0	4	0	0	0	24	0	24
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	2	49	0	49	3	0	3	0	0	0	52	0	52
Others, if any	1	40		40			0	0	0	0	40	0	40
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing	2	25	1	26	4	0	4	0	0	0	29	1	30
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	3	45	16	0	17	38	0	0	0	0	62	54	116
Income generation activities for empowerment of rural Women	1	1	37		0	4					1	41	42
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any	5	0	17	0	118	118	0	0	0	0	118	135	253
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Use of Plastics in farming practices													
Production of small tools and implements	1	2	12		1	28					3	40	43
Repair and maintenance of farm machinery and implements	3	57	17	74	12	9	21	0	0	0	69	26	95
Small scale processing and value addition													
Post-Harvest Technology													
Others, if any	12	187	63	250	48	27	75	0	0	0	235	90	325
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming	1	23	2	25	6	1	7	0	0	0	29	3	32
Carp breeding and hatchery management													0
Carp fry and fingerling rearing	2	36	3	29	3	0	3	0	0	0	39	3	42
Composite fish culture & fish disease	4	62	8	0	9	0	0	0	0	0	71	8	79
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn	1	17	5	22	3	1	4	0	0	0	20	6	26
Breeding and culture of ornamental fishes	1	15	3	18	2	0	2	0	0	0	17	3	20
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													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	49	672	242	704	250	259	176	0	0	0	922	501	1423

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	02	4	32	36	0	07	07	0	0	0	4	39	43
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	02	4	32	36	0	07	07	0	0	0	4	39	43

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

Thematic Area	No. of	No. of Participants	Grand Total

	Courses	Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	01	20	15	20	3	0	3	0	0	0	23	15	38
Organic Farming	01	15	04	19	1	0	0	0	0	0	16	04	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Care and maintenance of farm machinery and implements	02	32	07	39	02	01	3	0	0	0	34	8	42
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
Composite fish culture	01	17	0	17	1	0	1	0	0	0	18	0	18
Fish Disease Management	01	16	1	17	3	0	3	0	0	0	19	0	20
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	6	100	27	112	10	1	10	0	0	0	110	27	138

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	1	20	14	34	4	2	6	0	0	0	24	16	40
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming	2	21	13	34	3	8	11	0	0	0	24	21	45
Water management													
Seed production													

Nursery management													
Integrated Crop Management	5	88	53	19	8	6	14	0	0	0	96	59	155
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	4	24	28	52	7	20	27	0	0	0	31	48	79
TOTAL	12	153	108	139	22	36	58	0	0	0	175	144	319
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	11	1	12	5	3	8	0	0	0	16	4	20
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
TOTAL	1	11	1	12	5	3	8	0	0	0	16	4	20
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													

Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management	1	20	0	20	4	0	4	0	0	0	24	0	24
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing	2	49	0	49	3	0	3	0	0	0	52	0	52
Others, if any	1	40	0	40	0	0	0	0	0	0	40	0	40
TOTAL	4	109	0	109	7	0	7	0	0	0	116	0	116
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any (Goat farming)													
TOTAL													
V. Home Science/Women empowerment	1	0	12	12	0	3	3	0	0	0	0	15	15
Household food security by kitchen gardening and nutrition gardening													

Minimization of nutrient loss in processing	2	25	1	26	4	0	4	0	0	0	29	1	30
Storage loss minimization techniques	3	0	115	115	0	17	17	0	0	0	0	132	132
Enterprise development	3	25	35	60	0	10	10	0	0	0	25	45	70
Value addition	4	45	27	11	17	47	9	0	0	0	62	74	136
Income generation activities for empowerment of rural Women	1	1	37	0	0	4	0	0	0	0	1	41	42
Location specific drudgery reduction technologies	1	0	14	14	0	6	6	0	0	0	0	20	20
Rural Crafts													
Women and child care	1	8	13	21	0	0	0	0	0	0	8	13	21
Others, if any	5	0	17	0	118	118	0	0	0	0	118	135	253
TOTAL	21	104	271	259	139	205	49	0	0	0	243	476	719
VI. Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	16	2	18	3	0	3	0	0	0	19	2	21
Use of Plastics in farming practices													
Production of small tools and implements	1	2	12	0	1	28	0	0	0	0	3	40	43
Repair and maintenance of farm machinery and implements	3	57	17	74	12	9	21	0	0	0	69	26	95
Small scale processing and value addition	1	5	20	25	5	5	10	0	0	0	10	25	35
Post-Harvest Technology	4	65	16	81	12	22	34	0	0	0	77	38	115
Others, if any	12	187	63	250	48	27	75	0	0	0	235	90	325
TOTAL	22	332	130	448	81	91	143	0	0	0	413	221	634
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries	2	38	7	45	12	2	14	0	0	0	50	9	59
Integrated fish farming	1	23	2	25	6	1	7	0	0	0	29	3	32
Carp breeding and hatchery management													
Carp fry and fingerling rearing	2	36	3	29	3	0	3	0	0	0	39	3	42
Composite fish culture & fish disease	4	62	8	0	9	0	0	0	0	0	71	8	79
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	1	18	2	20	1	0	1	0	0	0	19	2	21
Hatchery management and culture of freshwater prawn	1	17	5	22	3	1	4	0	0	0	20	6	26
Breeding and culture of ornamental fishes	1	15	3	18	2	0	2	0	0	0	17	3	20
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	12	209	30	159	36	4	31	0	0	0	245	34	279
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													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	72	918	540	1126	290	339	296	0	0	0	1208	879	2087

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	4	19	59	78	6	14	20	0	0	0	25	73	98
Bee-keeping				0			0	0	0	0			
Integrated farming	2	67	3	70			0	0	0	0	67	3	70

Seed production	1	18	0	18	3	0	3	0	0	0	21	0	21
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	1	10	7	17	2	6	8	0	0	0	12	13	25
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Micro Irrigation	1	18	2	20	3	0	3	0	0	0	21	2	23
Repair and maintenance of farm machinery and implements	2	38	5	43	1	3	4	0	0	0	39	8	47
Solar Energy	1	19	4	23	2	0	2	0	0	0	21	4	25
Value addition	1	3	35	38	0	12	12	0	0	0	3	47	50
Production of quality animal products													
Dairying	2	44	5	49	10	0	10	0	0	0	54	5	59
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture	3	63	12	75	9	1	10	0	0	0	72	13	85
Rural Crafts													
TOTAL	18	299	132	431	36	36	72	0	0	0	335	168	503

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	33	24	57	5	1	6	0	0	0	38	25	63
Organic Farming	1	15	04	19	1	0	0	0	0	0	16	04	20
Entreprenurial activity (Herbal gulal making)													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition	1	9	10	19	6	3	9	0	0	0	15	13	28
Protected cultivation technology													
Care and maintenance of farm machinery and implements	02	32	07	39	02	01	3	0	0	0	34	8	42
Composite fish culture	01	17	0	17	1	0	1	0	0	0	18	0	18
Fish Disease Management	01	16	1	17	3	0	3	0	0	0	19	0	20
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													
Others if any													
TOTAL	8	122	46	168	18	5	22	0	0	0	140	50	191

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

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

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self-employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	

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

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants									Sponsoring Agency
					PF/RY/EF		Male			Female			Total			
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total
1	INM Training	INM	20-Feb-23	15			25	8		4	3		29	11		40	
2	Mushroom Cultivation	Small Mushroom Grower (ASCI Training programme)	17-Mar-23	210hrs			13	4		7	1		20	5		25	
3	INM Training	INM	12-Jun-23	15			32	6		2	0		34	6		40	
4	INM Training	INM	04-Aug-23	15			36			4			40	0		40	

Discipline	Clientele	Title of Training	No.	Duration	Venue On/Off	No. of Participants								
						Other			SC/ST			Total		
						M	F	T	M	F	T	M	F	T
Fisheries Science	1	Hatchery management and culture of freshwater prawn	1	1	Off	17	5	22	3	1	4	20	6	26
	2	Breeding and culture of ornamental fishes	1	1	Off	15	3	18	2	0	2	17	3	20
	3	Carp fry and fingerling rearing	2	1	Off	36	3	29	3	0	3	39	3	42
	4	Composite fish culture & fish disease	4	1	Off	62	8	0	9	0	9	71	8	79
	5	Integrated fish farming	2	1	on	38	7	45	12	2	14	50	9	59
	6	Hatchery management and culture of freshwater prawn	1	1	on	18	2	20	1	0	1	19	2	21
	7	Integrated fish farming	1	1	off	23	2	25	6	1	7	29	3	32
Agricultural Engineering	8	Important of drip irrigation system and Use of Plastics in farming practices	1	1	On	21	2	23	3	7	10	24	9	33
	4	Drip irrigation system for vegetable crops	1	1	Off	17	8	25	2	3	5	19	11	30
	5	Importance of micro-irrigation for different soil and crop.	1	1	Off	14	9	23	3	2	5	17	11	28

	6	Irrigation water management in Rabi crop	1	1	Off	13	8	21	2	6	8	15	14	29
	7	Importance and effect of Grubber in mustard /vegetable	1	1	Off	21	6	27	5	7	12	26	13	39
	8	Rainwater harvesting	1	1	Off	24	3	27	6	5	11	30	8	38
	9	Use of solar energy in agricultural & it's care and maintenance	1	1	Off	15	3	18	3	8	11	18	11	29
	10	Importance of organic and inorganic mulching material and CRA	1	1	Off	44	4	48	5	6	11	49	10	59
	11	Line sowing of wheat with Zero till seed drill cum fertilizer machine & seed and Happy seeder	1	1	Off	45	7	52	6	7	13	51	14	65
	12	Irrigation in wheat crop	2	1	Off	12	8	20	2	7	9	14	15	29
	13	Zero tillage in Rabi crop	1	1	Off	14	6	20	2	5	7	16	11	27
	14	Wheat and Rabi crop in weed control by grabber	1	1	Off	17	7	24	2	6	8	19	13	32
	15	Line sowing of wheat with Zero till seed drill cum fertilizer machine & seed and Happy seeder	1	1	Off	13	7	20	3	4	7	16	11	27
	16	Line sowing of wheat with Zero till seed drill cum fertilizer machine & seed and Happy seeder	1	1	Off	14	5	19	4	7	11	18	12	30
	17	Drip irrigation system for vegetable crops	1	1	Off	18	5	23	3	9	12	21	14	35
	18	Rainwater harvesting	1	1	Off	18	7	25	2	2	4	20	9	29
	19	Line sowing of wheat with Zero till seed drill cum fertilizer machine & seed and Happy seeder	1	1	Off	15	7	22	24	7	31	39	14	53
	20	Importance of micro-irrigation for different soil and crop.	1	1	Off	16	27	43	7	6	13	23	33	56
	21	Solar water irrigation syetem	1	1	Off	13	8	21	4	2	6	17	10	27
	22	Zero tillage in Rabi crop	1	1	Off	17	17	34	6	4	10	23	21	44
	23	Use of solar energy in agricultural & it's care and maintenance	1	1	Off	13	7	20	1	1	2	14	8	22
Home Science	24	Household food security by kitchen gardening and nutrition gardening	1	1	On	0	12	12	0	3	3	0	15	15
	25	Mushroom production	1	1	On	0	115	115	0	17	17	0	132	132
	26	Value addition	1	1	On	25	35	60	0	10	10	25	45	70
	27	Nutri garden	1	1	On	0	11	11	0	9	9	0	20	20
	28	Mushroom production and value addition	1	1	On	0	14	14	0	6	6	0	20	20
	29	Hermatic bag and its use.	1	1	On	8	13	21	0	0	0	8	13	21
	31	Mushroom production	2	1	Off	25	1	26	4	0	4	29	1	30
	32	Value addition of fabric & waste management	3	1	Off	45	16	0	17	38	0	62	54	116
	33	Women empowerment	1	1	Off	1	37		0	4		1	41	42
	34	Health & nutrition awareness	5	1	Off	0	17	0	118	118	118	118	135	253
Crop Production		Soil fertility management and INM	4	1	On	71	51	122	7	6	13	78	57	135
		Weed Management	1	1	Off	20	14	0	4	2	0	24	16	40
		Organic farming	2	1	Off	2	21	13	0	3	8	24	21	45
		Integrated Crop Management	5	1	Off	88	53	0	8	6	14	96	59	155
		Crop Production	4	1	Off	24	28	0	7	20	27	31	48	89

Horticulture		Layout and Management of Orchards	1	1	Off	11	1	0	5	3	8	16	4	20
Rural youths														
Fisheries Science		Composite fish culture	3	3	On	63	12	75	9	1	10	72	13	85
		Production of quality animal products	2	3	On	44	5	49	10	0	10	54	5	59
Agricultural Engineering		Maintenance of Agriculture machineries	2	3	On	38	5	43	1	3	4	39	8	47
		Installation, Care and maintenance of micro-irrigation system				18	2	20	3	0	3	21	2	23
		Solar water irrigation system	1	3	On	19	4	23	2	0	2	21	4	25
Home **Science**		Mushroom production	2	3	Off	4	32	36	0	7	7	4	39	43
		Cutting, sewing and value addition of fabric	2	3	On	3	35	38	0	12	12	3	47	50
Crop production		Vermicompost production technology	1	3	On	10	7	17	2	6	8	12	13	25
		Weed & nutrient management in kharif crop	1	3	On	67	3	70			0	67	3	70
		Production of organic fertilizer	1	3	On	18	0	18	3	0	3	21	0	21
Plant Protection		Mushroom production	1	3	On	8	12	20	2	3	5	10	15	25
Extension functionaries														
Agricultural Engineering		Care & Maintenance of farm equipment and tools	1	1	Off	11	0	11	1	0	1	12	0	12
		Installation & Maintenance of Drip Irrigation	1	1	Off	25	0	25	5	0	5	30	0	30
Fisheries Science		Composite fish culture	1	1	Off	17	0	17	1	0	1	18	0	18
		Fish Disease Management	1	1	Off	16	1	17	3	0	3	19	0	20
Crop production		Productivity enhancement in field crops	1	1	Off	20	15	20	3	0	3	23	15	38
		Organic Farming	1	1	Off	15	4	19	1	0	0	16	4	20
Home Science		Nutrigarden (waste bag method of kitchen gardening)	1	1	On	13	9	22	2	1	3	15	10	25
		Entreprenurial activity (Herbal gulal making)	1	1	On	9	10	19	6	3	9	15	13	28
Total			92	82	0	1341	786	1667	355	396	572	1718	1178	2907

J. Information on ASCI Skill Development Training Programme funded by ICAR undertaken during 2023

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	
1	Small Mushroom Grower	**Small Mushroom Grower (ASCI) Training**	**210**	**6**	**3**	**0**	**0**	**10**	**6**	**16**	**9**	**25**	*2,45,500*

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

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

training organised				M	F	M	F	M	F	M	F	T	for the training (Rs.)

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

Nature of Extension Activity	No. of activities	Farmers					Extension Officials					Total				
		M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)	M	F	Total	SC (no.)	ST (no.)
Kisan Mela organized																
Kisan Mela participated																
Field Day																
Kisan Ghosthi																
Exhibition organized																
Participation in exhibition																
Film Show																
Method Demonstrations																
Farmers Seminar																
Workshop																
Group discussion																
Lectures delivered as resource persons																
Advisory Services																
Scientific visit to farmers field																
Farmers visit to KVK																
Diagnostic visits																
Exposure visits																
Ex-trainees Sammelan																
Soil health Camp																
Animal Health Camp																
Agri mobile clinic																
Soil test campaigns																
Farm Science Club Conveners meet																
Self Help Group Conveners meetings																
Mahila Mandals Conveners meetings																
Special day celebration																
Sankalp Se																

Siddhi																
Swatchta Hi Sewa																
Celebration of important date																
Others																

B. Other Extension/content mobilization activities

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

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology

D. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers			Extension Officials			Total		
		M	F	Total	M	F	Total	M	F	Total
Republic day (26th Jan.)	01	29	07	36				29	07	36
International Women's Day (8th Mar.)	01	0	87					0	87	87
AmbedkarJayanti (14th Apr.)										
World's Veterinary Day (Last week of April)										
World 'Milk Day										
International Yoga Day (21st Jun.)	01	53	09	62				53	09	62
Independence Day (15th Aug.)	01	23	11	34				23	11	34
Parthenium Awareness Week	07	71	38	109				71	38	109
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)										
MahilaKisanDiwas (15th Oct.)	01	05	36	41				05	36	41
World Food Day (16th Oct.)										
Vigilance Awareness Week	01	12	04	16				12	04	16
National Unity Day (31st Oct.)										
World Science Day (10th Nov.)										
National Education Day (11th Nov.)										
Fisheries day (21 Nov)	01	22	03	25				22	03	25
National Constitution Day (26th Nov.)	01	16	02	18				16	02	18
World Soil Day (5th Dec.)	01	96	21	117				96	21	117
KisanDiwas (23rd Dec.)										
Any other day										

Webinar on post budget announcement & PM Kisansammannidhi (Live telecast)	01	45	13	58				45	13	58
Millets for opportunities for natural farming (PM programme - Live telecast)	01	31	12	43				31	12	43
(Life for environment)	01	120	57	177				120	57	177
(World environment day & International yoga day)	01	107	39	146				107	39	146
95th ICAR Foundation day & Technology day 1 (PM kisansammannidhi- Live telicast)	01	82	90	172				82	90	172
AzadikaAmritMahotsav campaign "Merimatimeradesh" & Awareness of Parthenium week	01	413	94	507				413	94	507
Live telecast of 3rd Anniversary of PradhanMantriMatsyaSampadaYojana (PMMSY) and BREDA AgDSM training cum awareness program on conservation of water & energy and PradhanMantriprogramme "Sankalpsaptah" Live telicast by Nitiaayog	01	102	13	115				102	13	115
PM Kisansammannidhi (15 installment) Live telicast	01	186	43	229				186	43	229
Kisangosthi on Natural Farming & HIL India Sponsored programme	01	311	483	794				311	483	794

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total

3.5 a. Production and supply of Technological products

A. Seed production at seed village

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

Total								

B. Seed production at KVK farm

Type of seed produced	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Cereals	Wheat-HD 2967 Paddy-Rajshree	69.9 75.0					
Oil seed	Mustard- R.Suflam	20.7					
Pulses	Moong- Virat	8.5					
Green Manure	Wheat-HD 2967 Paddy-Rajshree	69.9 75.0					
Commercial crop							
Vegetables							
Fodder							
Spices							
Fruits							
Forest crop							
Ornamental/flower							
Medicinal							
Grand Total							

C. Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Commercialseedlings							
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruitsseedlings							
Mango							
Guava							
Lime							
Papaya							

Banana							
Ornamental plants							
Marigold							
Annual chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant yams							
Spices							
Grand Total							

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

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

G. Production of livestock & fisheries materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp	Amur Common Carp	15000	30000	14			14
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)	Ompak Pabda	5000	18000	Demonstration at KVK			
Grand Total							

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.
1.	PH meter	1
2.	EC	1
3.	Flame photometer (nonfunctional)	1
4.	Spectrophotometer	1
5.	Shaker	1
6.	Water distillation unit	1
7.	Weighing balance	1
8.	Physical balance	1
9.	Soil testing kit	2
10.	Water testing kit	1
11.	Hotplate shaker	2

12.	Kjheldahl unit	1
13.	Hot air oven (non-functional)	1
14.	Digital PH meter	1
15.	Soil testing van	1

b. Details of samples analyzed so far

Total number of soil samples analyzed till now		
Through mini soil testing kit/labs	**Through soil testing laboratory**	**Total**
Soil Testing	1113	1113

c. Detail of Soil, Water and Plant analysis at KVK (2023)

Sl.	**Analysis**	**No. of Samples analyzed**	**No. of Villages covered**	**No. of Farmers benefitted**	**Amount realized (Rs.)**
1.	Soil	1113	46	1045	55650.00
2.	Water	17	05	17	-
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	Kisan Gosthi	26	26	-	-	56

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.	05	0	200	1750	04

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

1. Name of Seed Hub Centre:

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

2. Quality Seed Production of Pulses

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Rabi 2023						
Summer/Spring 2023						

3. Financial Progress

Fund received (2016-17, 2017-18, 2019, 2020 and 2021)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2018-19				
2019				
2020				
2021				
2022				
2023				

4. Infrastructure Development

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

3.6 PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS & RECOGNITION

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

S.No	Item	Details of publication bibliographic form	NASS Rating
1	Research paper	K.K. Singh, Tarun Kumar, S.K. Gupta, S.S. Solankey, S.K. Singh, S.S. Prasad and S. Kumari (2023). Enhancing Lentil Productivity in the North-West Alluvial Plain Zone through Cluster Front Line Demonstration (CFLD). Biological Forum – An International Journal, 15(7): 32-37.	4.96
2	Research paper	Kumar, T., Veeranna, J., Gupta, S.K., Kundu, M.S., Kumari, N., Gautam, A.K., Rawat, S. and Kumari, A., 2023. Assessing land suitability for sustainable aquaculture development in Muzaffarpur, Bihar using integrated approach of multi-criteria decision analysis and GIS. Indian Journal of Fisheries, 70(4).	6.59
3	Research paper	Agrawal, N., Govil, H. & Kumar, T. Agricultural land suitability classification and crop suggestion using machine learning and spatial multicriteria decision analysis in semi-arid ecosystem. Environ Dev Sustain (2024). https://doi.org/10.1007/s10668-023-04440-1	10.90
4	Research paper	Effect of chemical treatment and wrapping materials on physic – chemical properties and storage life of litchi fruits (Litchi chinensis sonn.) CV. Shahi, Current Journal of Applied Science and Technology	5.10
5	Research paper	A Kumar, SK Singh, AK Singh, Manish Kumar, Rajneesh Singh, SP Singh,Soil aggregation and aggregate-associated carbon affected by long term crop residues incorporation in rice wheat cropping system. Journal of Eco Friendly Agriculture.	5.31
6	Research Paper	Sradha Kumari, Satya Prakash, Shipra Kumari, Shaloo Kumari, Understanding and exploration of adoption behavior of bee-keeping practices. The Pharma Innovation, 2023;sp-12(12), pp SS3-SS6.	

B. Details of Other Publications

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Seminar/conference/ symposia papers	4- Abstract	Many	Many
Books	2- Book	Many	Nil
Book Chapter	• 1-Chapter • Shaloo Pal, Sradha Kumari, Satya Prakash, Savita Kumari. Utilization of ICTs and their challenges for Extension Education System AND IoT. Emerging Trends in Agricultural Extension Education (Volume 8), ISBN-978-93-5980-562-, SP Publishing	Many	Nil

Popular articles	8- in different fields Savita Kumari, Dr. Anil Kumar Singh, Shradha Kumari, Dr. Ranju Kumari.Saag jiske bina adhura hai jiuttiyan parv. Krishak Bharti, ISBN-2582-5976 Madhya Bharat Krashak Bharti	Many	Many
success story	Develop 4 Success story in the field of horticulture	8	Nil
Bulletins	• Tarun Kumar, S.K. Gupta, M.S. Kundu, A. Kumari, R. Singh, S. Kumari, (2023) Zero Tillage se Moong ki Kheti , DRPCAU, Pusa. MS/AE/F/360/2023 • Tarun Kumar, S.K. Gupta, R. Singh, Pankaj Kumar, A. Kumari, K. Kumari, (2023) Conservation agriculture with climate resilience. DRPCAU, Pusa. MS/AE/F/359/2023 • Tarun Kumar, S.K. Gupta, A. Kumari, R. Singh, K. Kumari (2023) Laser land leveler: khet ka samikaran. DRPCAU, Pusa. MS/AE/F/358/2023	1000 1000 1000	100 200 125
Agro-advisory bulletins	Climate response in horticulture	Mobile	Mobile message
Extension Folders	Folders - 4	1000 of each	300-400 of each
Technical reports	Monthly, quarterly, annual, EC meeting	20	15
News letter	News in paper/ print media	many	many
Electronic Publication (CD/DVD etc)	Training in the field of horticulture	1	
TOTAL			

C. Details of HRD programmes undergone by KVK personnel

Sl. No.	Name of KVK personnel and designation	Name of course/training program attended	Date and Duration	Organizer/Venue
1.	Mr. Pankaj Kumar	TRPSF-2023, National Conference at COF, Kishanganj	19-21 July, 2023	COF, Kishanganj, BASU

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

Type of attachment	No of student trained	No of days stayed
RAWE & RFWE	19	60 days

E. Awards/Recognition

Institutional Award received by KVK

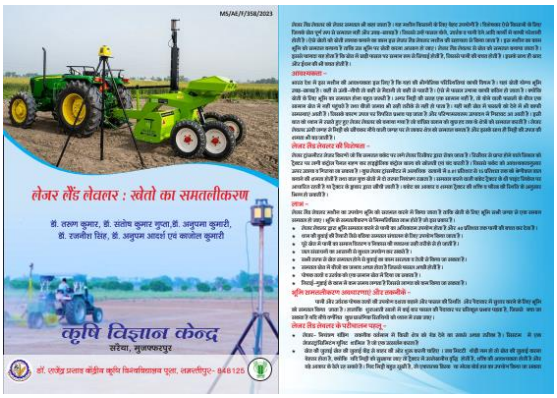
Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose

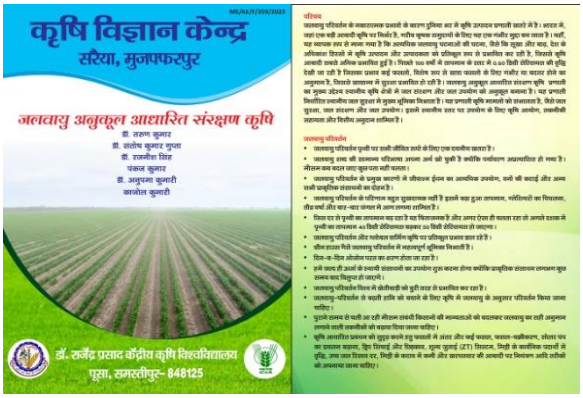
Award received by KVK Scientists

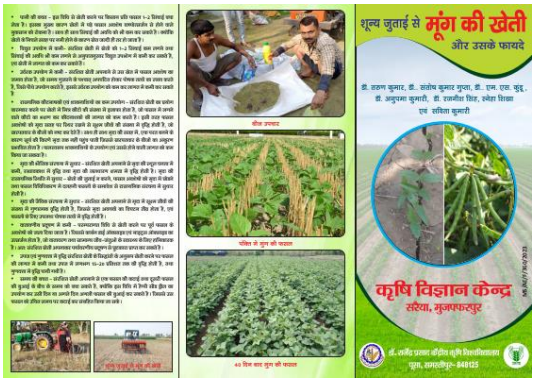
Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority

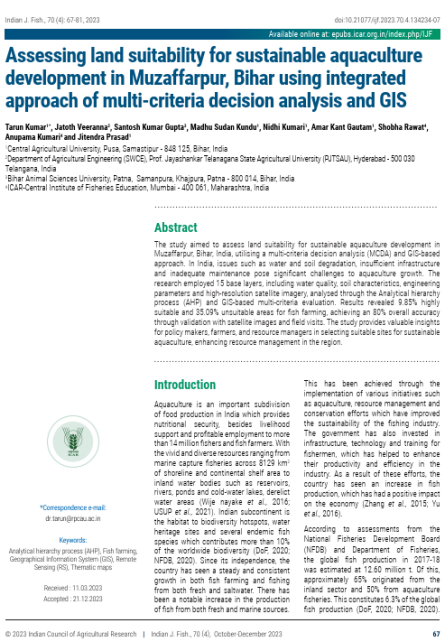
Award received by Farmers

Sl.			Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority









3.7. TECHNOLOGY DEVLOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent
1	Sunil Kumar Jha, Ghosaut, Meenapur: Strawberry farming	Growing Strawberry in tropical region	Cultivated collaboration, enhanced yields, and enriched communities by introducing strawberry cultivation in Muzaffarpur District	Commercial supply in local and near by market
2	Rekha Devi : Lac bangles	Artisanal production of lac bangles using traditional techniques, showcasing cultural craftsmanship and sustaining livelihoods in local communities.	Fostered collaboration among over 27 farmers, fostering community adoption of artisanal lac bangle production, sustaining local livelihoods.	Commercial supply in local and near by market
3	Shrikant Kushwaha, Govindpur: Use of herbs in Gulal	The herbs as tulsi, Alovera used in Gulal for colour as well as for benefit of skin	Facilitated widespread adoption, fostering collaboration and community development among farmers through effective dissemination of technology.	Commercial supply in local and near by market
4	Abhishek Ranjan: Different type of honey production	Production of litchi, karanj, ban tulshi and eucalyptus honey annually etc.	Catalyzed adoption by over 50 farmers, fostering local community engagement in annual production of litchi, karanj, ban tulshi, and eucalyptus honey	Commercial supply in local and near by market
5	Rajesh Kumar ranjan, Avinash Kumar, Shrikant Kushwaha : Chicken & Egg pickle	The self life of eggs & chiken is very short due to which rancidity starts coming in them quickly, that is why they are being preserved by making pickles.	Catalyzed adoption among more than 15 farmers, preserving eggs and chicken through pickling for extended shelf life.	Commercial supply in local and near by market Commercial supply in local and near by market
6	Santosh Choudhary: IFS	Integrated fish farming and vegetable cultivation using yearling fingerlings for shortened culture period.	Catalyzed adoption among more than 15 farmers, integrating fish farming and vegetable cultivation, minimizing the culture period.	Commercial supply in local and near by market

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.	Mushroom	Steam sterilization of Straw by using pressure cooker and drum	To save water, time and energy	Farmers and entrepreneurs gradually following the ITK at Kanti Block.
2.	Vegetable	Intercropping of cucurbits with cauliflower through mulching	It will save the time and space as well as weed population. Also increases the income by taking off season vegetable.	Improved income, saved time and space by practicing intercropping of cucurbits with cauliflower through mulching, reducing weed population.
3.	Natural dye	Natural dye on fabric	Wearing clothes dyed with natural colours reduces the risk of skin diseases. It can be done for very low cost.	Wearing natural-dyed clothes reduces skin disease risk, achieved at a low cost, promoting health and sustainability
4.	Fish Farming	Application of turmeric and neem paste	To control EUS disease in fishes.	Applying turmeric and neem paste controls EUS disease in fishes, ensuring healthier aquaculture practices. Now Farmers gradually following.
5.	Natural Farming	Use of cow dung, urine, jaggery etc.	To enhance the no. of beneficial microorganisms	Enhancing beneficial microorganisms, conditioning soil health reduces cultivation cost, ensuring sustainability for farmers.

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)

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

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

4. IMPACT

4.1 Impact of KVK activities till now (Not to be restricted for reporting period).

Name of specific technology/skill transferred/training	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

Vermicompost production	200	20%	3000.00	4000.00
Mushroom cultivation	200	10%	10000.00	80000.00
Value addition	227	6%	2500.00	2700.00
Goatary	65	15%	25000.00	35000.00
Natural Farning	40	30 %	35000.00	47000.00
IFS	10	20 %	120000.00	175000.00
Lac bangles	20	15 %	22500.00	34500.00
Pickle making	40	27 %	56000.00	180000.00
Zero Tillage	80	32 %	38500.00	52500.00
Micro Irrigation	60	10 %	375000.00	56000.00
Herbs in Gulal	35	18 %	12000.00	24500.00
Beekeeping	200	15 %	15000.00	87500.00

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

4.2. Cases of large-scale adoption (Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	**Horizontal spread**
Micro Irrigation	With the consistent training to farmers and subsidy given by Bihar government the farmers of muzafffarpur district largely adopting micro irrigation system. More than 100 drip kit has been installed by different farmers with area covering more than 70 ha.
Agro-met advisory	The local agro-met advisory is given vide whats group and farmers are largely adopting for different agricultural activity. More than 1800 farmers are directly connecting with the this advisory service.
Zero tillage in wheat	The technique was popularized among farmers by demonstration under CRA programme, CSISA project and several other activities. It has large impact on farmers owing to its increase in yield upto 12-17% also the cost reduction of cultivation up to Rs 4200.00/ha
Mushroom cultivation	All three types of mushroom cultivation is adopted by the farmers of this district. The number of women farmers in this enterprise is increasing and about twenty five women are cultivating Button mushroom, oyster mushroom and dudhiya mushroom.
Direct Seeded Rice	The DSR technology demonstration under CRA programme and CSISA project of KVK Saraiya leads to increase in adoption of this technology among farmers of Muzaffarpur district. During this financial year 890 acre of land covered by DSR through proper monitoring and guidelines of KVK Saraiya Muzaffarpur in different block. Yield increased upto 12-22% and also decreases 30 to 32 labours per ha of land. Also reduces the cost of cultivation Rs 4000.00 per ha
Vermi composting	With intiative taken under PKVY project by KVK and other programme of government, the farmers are coming forward to adopt the organic farming. More than 200 farmers and farm women adopted this technology. Among them 20 has developed large scale production unit having capacity 50 to 55 tons annually and supply to the agriculture department and other agencies.
Lac bangle making	During 2016 to 2021 ten skill oriented training programme on lac bangle making was organized for rural youth in which 140 participants were benefitted and 07 rural youth initiate to making lac bangle at commercial level. They are getting Rs. 12000.00 per month in addition to doing household work.
Herbal Gulal	The technique was popularized among farmers through training and a total of 20 farm women adopted this technology.
Coarse grain	Among farmers through training and about 30 nos. of farm women adopted this technology and selling multi grain laddu in local market.

Give information in the same format as in case studies

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms
1)	Vermicomposting	Improvement in soil health and decrease the use of inorganic fertilizer. Also for quality production.	38%
2)	Promotion of Rice variety Rajendra Bhagawati	For short duration and scented variety farmers adopt this variety in climatic change scenario.	35%
3)	Use of bio-fertilizer	PSB, *Azotobacter, Azospirillum* cereals and oilseed and *Rzhizobium* in Pulse.	22%
4)	Seed production of cereals	For income generation and increase seed replacement rate	37%
5)	Line sowing of green gram with Zero till seed drill cum fertilizer machine	Increase the production and minimize the insect pest and disease incidence	7%
6)	Seed production of pulse and oilseed	For income generation and increase seed replacement rate	49%
7)	Sowing of wheat 1 to 15 November.	Yield increased up to 22 to 27 %	40%
8)	Fertilizer application as soil test based	Minimize the cost of fertilizer and improve the soil health.	20%
9)	Protective cultivation	Low volume high value production.	7%
10)	IFS	Low volume high value multidisciplinary crop production.	2%
11)	Promotion of flower cultivation	Marigold, tube rose, gladiolus etc	5%
12)	Zero tillage wheat	Through this technology cost of cultivation reduces and production increases.	70%
13)	Micro irrigation and sprinkler system	Cover more area for irrigation with less amount of water. Minimize the cost, Water level of soil maintained, More production.	8 %
14)	Mushroom cultivation	Income generation in rural youth/ women	12%

4.4. Details of entrepreneurship development

Entrepreneurship development 01	
Name of the enterprise	Mushroom production.
Name & complete address of the entrepreneur	Mrs Chunni Devi, Village : Bayadih, Saraiya, Muzaffarpur
Role of KVK with quantitative data support	KVK supported Mrs Chunni Devi in providing different training programme related to mushroom production, oyster/Button mushroom production, Value added product of mushroom. During year 2017 two training of five days duration related to mushroom production and value addition was provided to her. In 2019 KVK celebrated Mushroom Day in which all the new commercial grower gathered to exchange their experience. Mrs Chunni Devi

	got prize for his dedication in mushroom production.
Timeline of the entrepreneurship development	Mrs Chunni Devi is a young and laborious farmer so she was eager to earn from other enterprise along with his traditional farming. Before getting proper training in this field she was supporting her colleague in mushroom production. She individually earned Rs. 15,000.00 in winter season of 2019. This was her first experience in this field. But now She was eager to cultivate mushroom separately so she took proper training from KVK Saraiya under 5 days Rural youth training programme. In year 2020 she started to cultivate oyster mushroom. She also purchased compost and started to produce Button mushroom also. She produced 100 kg of button mushroom with net profit of Rs 0.8 lakh and Rs. 4,000.00 from oyster mushroom production.
Technical Components of the Enterprise	Oyster and button mushroom production hut, boiler, autoclave, water tank, gas cylinder
Status of entrepreneur before and after the enterprise	Before starting mushroom production she was earning Rs 12000 per month as worker. But now he is earning 1.2 lakh in six month by mushroom production along with earning from farming also.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise)	Present working condition of this enterprise is full of opportunities in terms of mushroom production, value added product production, animal feed production, etc. For all these items the raw material i.e. straw (for oyster and milky mushroom production) compost (for button mushroom production) casing material, wheat (for spawn production) are easily available at low cost at village level. Mushroom grower has their own raw material produced and as agricultural waste. The value added product can be easily prepared by using the traditional knowledge of farm women with some technical knowledge. As it is new enterprise. So, there is no much problem in marketing. The fresh product is sold at local level and some farmers have buyback contract from some company for dried product. Its value added product also gives new taste, so easily sold at good profit.
Horizontal spread of enterprise	Fifteen farmers and five farm women of neighbouring villages started button and milky mushroom production. They are selling 5-10 kg mushroom per day in this season and selling it Rs. 120 kg to rs.180 kg. Especially women farmers are showing too much interest and inspite of social barrier they are coming in this field. They are using their traditional knowledge in making value added product also..

Entrepreneurship development 02	
Name of the enterprise	Beekeeping
Name & complete address of the entrepreneur	Vill-Pokhraira, P.O-Giddha, P.S-Saraiya, Dist-Muzaffarpur,Bihar-843106
Role of KVK with quantitative data support:	KVK supported Mr. Abhishek Ranjan, providing various 5-day training programs on Beekeeping and Honeybee production in 2018. In 2021, KVK Saraiya

	organized a 7-day Beekeeping Training, where Mr. Abhishek Ranjan participated as a master trainer.
Timeline of the entrepreneurship development	**Before Beekeeping Training (Pre-2018):** • Annual Income: Rs. 5.79 Lakh • Sources: Wheat, Paddy, Mango, Litchi, Milk, Fish Production, etc. **Initial Phases of Beekeeping (2018):** • Faced challenges in beekeeping. **After Beekeeping Training (Post-2018):** • Received training in improved beekeeping technology. **Current Status (Post-Training):** • Annual Income: Rs. 507,500.00 • Source: Beekeeping with 400 boxes.
Technical Components of the Enterprise	Involves strategic relocation of 400 beehives during adverse weather and utilizes diverse crops for beekeeping, enhancing bee activity and honey production.
Status of entrepreneur before and after the enterprise	Before Enterprise: Rs. 5,600 annually from 50 boxes. After Enterprise: Rs. 507,500 annually from 400 boxes, showcasing significant economic advancement and success.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	The enterprise, thriving in beekeeping, experiences consistent raw material availability, ample labor, and strong consumer preference. Effective marketing strategies contribute to its economic viability. The social impact is significant, inspiring other farmers. The environmental impact is positive due to the role of bees in pollination. Horizontal and vertical spread is evident, as the entrepreneur's success serves as inspiration, leading to the establishment of a demonstration unit that further encourages fellow farmers.
Horizontal spread of enterprise	Abhishek Ranjan's success in beekeeping has inspired many farmers within Muzaffarpur, leading to the establishment of a demonstration unit at his farm, influencing and encouraging fellow farmers to adopt beekeeping.

4.5. Success stories/Case studies, if any (two- or three-pages write-up on 1-2 best case(s) with suitable action photographs)

Success stories 01

Name of farmer	**Sri Akhilesh Rai**
Address & Contact details (Phone, mobile, email Id)	**Village- Dwarikanathpur**, **Block- Marwan, Muzaffarpur, Bihar.** Phone No.: **9546277660**
Assets (Landholding (in ha.)/Livestock)	1.0 / 03 Cows, 200 Poultry birds and 16 Goats
Name and description of the farm/ enterprise	Livestock and Agriculture
Achievement of the farmers	Sri Akhilesh Rai's journey from traditional crop farming to a diversified agricultural model is indeed an inspiring success story. After receiving training from KVK Saraiya, Muzaffarpur in 2020, he transitioned to animal husbandry and goatry, marking a significant shift in his farming practices. Initially engaged in the cultivation of crops like wheat and paddy, Sri Akhilesh Rai faced challenges in generating sufficient profits to sustain his family. Recognizing the need for diversification, he ventured into animal husbandry.

	His farm now boasts a thriving community of over 200 poultry birds, featuring the Sonali and Kadaknath breeds, alongside a mix of 3 cows, including Gir and other varieties, and a flock of 16 Black Bengal goats. Embracing sustainability, he has also incorporated organic farming into his operations.
KVK intervention (planning & Implementation)	In 2021, Sri Akhilesh Rai visited Krishi Vigyan Kendra seeking advice on his cattle and goat's health. The KVK scientist, recognizing economic challenges, guided him to enroll in a 2022 dairy farming training. Understanding Rai's interest in employment-oriented practices, the intervention aimed to equip him with skills for income generation, addressing economic scarcity. This strategic planning and implementation by KVK contributed to Rai's successful transition, showcasing the effectiveness of tailored interventions in enhancing farmers' livelihoods
Impact (Economic/ Social/Environmental)	Sri Akhilesh Rai's shift to goat farming, cow and Poultry birds has significantly improved his financial well-being, increasing his annual income from Rs. 1 lakh to Rs. 3 lakhs. This economic transformation empowers him to invest in expanding goat farming and support his children's education. Beyond personal gains, Rai's success serves as a motivation for educated unemployed youth, inspiring them to pursue rural livelihoods. The impact extends beyond the economic realm, fostering social progress through education and encouraging sustainable agricultural practices with the integration of animal husbandry and organic farming.
Outcome (Horizontal/ Vertical spread)	Sri Akhilesh Rai's successful transition to goat farming not only significantly increased his income but also inspired a horizontal spread as he plans to purchase more goats. His commitment to supporting his children's education contributes to vertical spread, fostering long-term social impact. This success story serves as a model, encouraging both horizontal expansion in farming practices and vertical progress in rural education.

Details of Livestock and Agriculture Economic

Component Description		Period 2022-23				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Wheat	1.5	18.15	27225	19057	12.73	21.45
Field Crop 2	Paddy	1.5	18.48	26796	18757	8.93	21.49
Field Crop 3	Toria	0.5	3.3	5280	3696	10	21.25
Field Crop 4	Maize	0.5	13.2	19800	13860	29.17	64.25
Field Crop 5	Moong	0.5	2.42	17414	12190	23.56	82.95

Hort. Crop 5	Potato	0.5	35.2	63360	44352	100	100
Livestock 1	Buffalo, Cow,	6	3150	126000	88200	60	70
Livestock 2	Goat	18	54	29700	20790	100	100
Livestock 4	Poultry	0.1	2	20000	14000	100	100

Photograph:

Backyard poultry farming

Cow and Goat farming

Success stories 02

Name of farmer	**Sri Nand Kishore Rai**
Address & Contact details (Phone, mobile, email Id)	**Village- Kand karja, Madwan, Muzaffarpur, Bihar, Mobile Number: 9708100354**
Assets (Landholding (in ha.)/Livestock)	2.0 / 02 Cows, Custom Haring center
Name and description of the farm/ enterprise	Agricultural Machinery Custom Hiring
Achievement of the farmers	Shri Nand Kishore Rai, a Muzaffarpur resident with 2 hectares of land, significantly increased his income through innovative farming. After KVK, Saraiya training in 2020, he invested Rs. 5.6 lakhs to establish a custom hiring business in 2018, equipped with a 45 hp tractor and modern machinery. His strategic approach, including zero tillage practices and diverse crops, yields an annual income of Rs. 4.5 lakhs with a net profit of Rs. 3.75 lakhs. With ongoing guidance from KVK scientists, he plans to expand his business, adding two Multi Crop Planter machines to further diversify services, showcasing the positive impact of innovation and entrepreneurship in agriculture.
KVK intervention (planning & Implementation)	After attending two training sessions at KVK, Saraiya in 2022, Shri Nand Kishore Rai benefited from practical demonstrations of machinery in his fields. Technical guidance from KVK scientists has influenced his decision to expand by adding two more Multi Crop Planter machines. This strategic intervention not only enhances Rai's custom hiring business but also contributes to the community by offering advanced sowing technology to other farmers. The success story highlights KVK's impactful role in providing training, guidance, and practical demonstrations, empowering farmers to adopt modern practices for business diversification and overall agricultural improvement.
Impact (Economic/	The adoption of new technology interventions has led to significant positive

Social/Environmental)	outcomes across economic, social, and environmental dimensions. The farmer's impressive increase in annual income, soaring from Rs. 1.16 lakh to Rs. 4.26 lakh through a custom hiring center, illustrates a substantial economic transformation facilitated by innovative practices. Cost savings of Rs. 0.44 lakh in various agricultural activities further emphasize the efficiency gained through these interventions. Moreover, the social impact is evident as the young entrepreneur's success has inspired and motivated farmers in his village and nearby areas to replicate his model, fostering community engagement and encouraging sustainable and profitable agricultural practices for broader environmental benefits.
Outcome (Horizontal/ Vertical spread)	The success story demonstrates both horizontal and vertical spread. As a successful entrepreneur and role model, the farmer horizontally expands his tractor and implement services beyond his block, reaching other blocks in the district. Vertically, he influences the younger generation, serving as a role model and contributing to the development of farming practices and entrepreneurship among the youth in the district.

Details of Livestock and Agriculture Economic

Component Description		Period 2022-23				% increase over base year	
Components	Names	Area (Acre)/ No	Production (Q/Liter/No.)	Gross Income (Rs.)	Net Income (Rs.)	Production	Income
Field Crop 1	Wheat	3	46.86	90206	44606	29.09	131.06
Field Crop 2	Paddy	4.5	64.35	120206	39206	8.33	88.58
Field Crop 3	Toria	1	7.04	31152	19152	10.34	102.37
Field Crop 4	Maize	0.5	13.2	24420	17020	41.18	18.05
Field Crop 5	Moong	0.5	2.42	17414	11414	22.22	100.25
Hort. Crop 1	Potato	0.5	33	59400	51000	100	100
Hort. Crop 2	Litchi	0.25	1.38	9625	7150	100	100
Livestock 1	Buffalo and Cow	4	4200	168000	126000	100	166.67
Livestock 2	Goat	5	25	13750	11000	100	100

Photograph:

Threshing of wheat with multi crop Threshes and different farm implement

Line Sowing (Zero Tillage) mustard

4.6. Any other initiative taken by the KVK

- **Kisan Sarthi portal:** More than 6000 farmers of muzafarpur district were registered on kisan sarthi portal for interacting with experts of KVKs for various activities.
- **NADEP Unit:** A NADEP unit was constructed at KVK campus for utilizing agriculture waste.
- Fish farming under IFS
- Eight different type of Millets demonstration
- Raised bed arhar cultivation
- Implement shed development
- Medicinal garden development
- Natural Farming demonstration unit development
- Panchayat wise soil testing
- **Natural farming:**

Sl.no	Particulars	No. of activities	No. of farmers beneficeries				
			M	F	SC	ST	Total
1	Training	05	135	45	20		200
2	Demostration	12	11	0	1	0	12
3	Awareness programme (Group meetings, Exposure visit, method demonstration & exhibition)	08	-	-	-	-	605
	Total	**25**					**817**

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
Department of Agriculture, Govt. of Bihar	Identification of training needs Joint implementation of training programme, Diagnostic Team visits Identification of target groups
Agricultural Technology Management Agency (ATMA) Muzaffarpur	Sponsored Training Programme , Training and field visit
Department of Horticulture govt. of Bihar	Joint participation in meetings for NHM Joint implementation of training programme
District Animal Husbandry Officer, Bihar Govt.	Capacity building
District Fisheries Officer, Bihar Govt.	Capacity building
Word vision, Muzaffarpur (NGO)	Field visit and training, Technical support

RPCAU, PUSA	Technical Guidance on Training and other Extension activities.
National Research Centre on Litchi, Muzaffarpur	For training & demonstration.
SSB, Muzaffarpur	For training & consultancy.
IFFCO, Muzaffarpur	For training & Transfer of Technology
NFL, Muzaffarpur	Demonstration, trial and training
BAMETI, Patna	Transfer of technology
NABARD	Transfer of technology for farmers club and SHG
JIVEEKA	Transfer of technology
NRC, Litchi	OFT and field visit
Sudha Dairy, Muzaffarpur	Field visit
Unique Food processing Industry	Field Visit

5.2. Details of Externally funded project & Programmes during 2023 (Eg. ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies) (information of previous years should not be provided)

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE INDICATORS IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area (Sq.ft)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Mushroom spawn unit	2012	120	-	-	-	-	-	Demonstration purpose
2.	Mushroom production unit	2015	600	-	-	-	-	-	
3.	Vermicompost	2009	400			9.0 q	-	5400	
4.	Azolla		300	-	-	-	-		Demonstration purpose
5.	Poly house	2020		Cucurbits,tomato,	Chili Brinjal, Cauliflower,	1115 2682 690		1800 0.00	

				brinjal capsicum and chilli	Cabbage, Beans, papaya, Citrus	20065 40815			
6	Shed net	2020							
7.	Zero energy cool chamber	2017	1.33						Demonstration purpose
8	Low cost onion storage structure	2017	1.71	-	-	-	-	-	For demonstration purpose
9	Implement shed	2022	500	-	-	-	2500000	-	Under CRA Project
10	Micro-irrigation system	2021		Rice-wheat	Rice-wheat		-	-	

6.2. Performance of Instructional Farm (Crops)

Name of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Paddy	12/07/2023	12/11/2023	2.0	Rajshree	Seed	70.50	110000		
Wheat	20/12/2023	23/04/2023	2.0	HD2967	Seed	40.50	82000	174150.00	
Musterd	16/12/2023	24/03/2023	2.0	R. Suflam	Seed	2.70	17900		
Green gram	05/03/2023	10/06/2023	2.5	IPM-2-3	Seed	3.07	21900	3250.00	
Finger Millet	16/06/2023	25/10/2023	0.48	R. Madua 8	-	3.30	11500		

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

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

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

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

6.5. Performance of Automatic Weather Station in KVK

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

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)
January-Feb	25	07 days	Nil
March	25	7 days	Nil
June	35	15 Days	Nil
September	35	15 Days	Nil

(For whole of the year)

6.7 Utilization of staff quarters

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

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

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

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

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
CFLD on Oilseed		133393.00		174978.00	(-) 88578.00

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2022
	Kharif	Rabi	Kharif	Rabi	
CFLD on Pulses		261900.00		283637.00	(-) 204437.00

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	165000.00	165000.00	162819.00
2	Traveling allowances			
3	Contingencies			
A	Office	400000.00	400000.00	400000.00
B	Training			
C	OFT			
D	FLD			
E	Maintenance of Building			
F	Kisan Mela	450000.00	450000	440339.00
G	SCSP General	136625.00	136625	124749.00
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1	SCSP Capital	225000.00	225000.00	225000.00
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		698991.84	1721275.00	1353433.00

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

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2020-21	57484.92	935973.00	503792.00	489665.92
2021-22	489665.92	680810.92	471485.00	698991.84
2022-23	698991.84	1721275.00	1353433.00	1066834.48

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

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both
Kharif Mahaabhiyan	6	Kharif	Yes	Yes	Yes
Rabi Mahaabhiyan	5	Pre-Rabi	Yes	Yes	Yes
Kisan Pathshala	0	-	-	-	-
Acrredation of Nursery	0	-	-	-	-
Visit of demonstration unit	5	Rabi	Yes	Yes	Yes
Certificate Course	2	Kharif	Yes	-	-
Scientist farmers intraction programme	1	Kharif	Yes	Yes	Yes
Crop damage assessment	4	Kharif	Yes	Yes	Yes
Viksit bharat sankalp yatra	50	Rabi	Yes	Yes	Yes

7.8 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.			
2.			
3.			

7.9 Resource Generation

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)

8.2. Prevalent diseases in Livestock/Fishery

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

					(in ha)
FMD	Bovines	July, Aug 2023	2%	Vaccination ongoing	-
Argulosis	IMC Fishes	Late November	30 %	50 % stock	**Water Exchange & Minimising Stocking density**

8.3. Nehru Yuva Kendra (NYK) Training

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

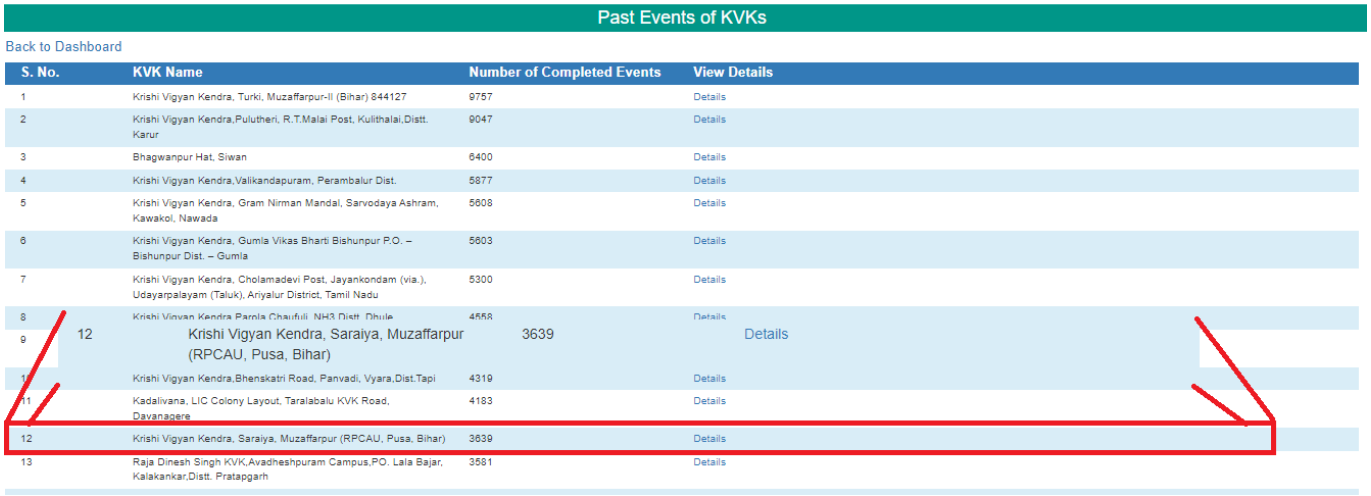
8.4. PPV & FR Sensitization training Programme

Date of vaccination programme	Resource Person	No. of participants	Registration (crop wise)	
			Name of crop	No. of registration

8.5. KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	575
2.	No. of farmers registered in the portal	6315
3.	Mobile Apps developed by KVK	
4.	Name of the App	
5.	Language of the App	
6.	Meant for crop/ livestock/ fishery/ others	
7.	No. of times downloaded	

8.6 Details of KVK Portal



Past Events of KVKs

Back to Dashboard

S. No.	KVK Name	Number of Completed Events	View Details
1	Krishi Vigyan Kendra, Turki, Muzaffarpur-II (Bihar) 844127	9757	Details
2	Krishi Vigyan Kendra,Pulutheri, R.T.Malai Post, Kulithalai,Distt. Karur	9047	Details
3	Bhagwanpur Hat, Siwan	6400	Details
4	Krishi Vigyan Kendra,Valikandapuram, Perambalur Dist.	5877	Details
5	Krishi Vigyan Kendra, Gram Nirman Mandal, Sarvodaya Ashram, Kawakol, Nawada	5608	Details
6	Krishi Vigyan Kendra, Gumla Vikas Bharti Bishunpur P.O. – Bishunpur Dist. – Gumla	5603	Details
7	Krishi Vigyan Kendra, Cholamadevi Post, Jayankondam (via.), Udayarpalayam (Taluk), Ariyalur District, Tamil Nadu	5300	Details
8	Krishi Vigyan Kendra Parola Chaufuli, NH3 Distt. Dhule	4558	Details
9	12 Krishi Vigyan Kendra, Saraiya, Muzaffarpur (RPCAU, Pusa, Bihar)	3639	Details
10	Krishi Vigyan Kendra,Bhenskatri Road, Panvadi, Vyara,Dist.Tapi	4319	Details
11	Kadalivana, LIC Colony Layout, Taralabalu KVK Road, Davanagere	4183	Details
12	Krishi Vigyan Kendra, Saraiya, Muzaffarpur (RPCAU, Pusa, Bihar)	3639	Details
13	Raja Dinesh Singh KVK,Avadheshpuram Campus,PO. Lala Bajar, Kalakankar,Distt. Pratapgarh	3581	Details

8.7 Kisan Mobile Advisory Services/KMAS (m-Kisan Portal/National Farmers Portal/ SMS Portal)

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop				
2.	Livestock				
3.	Weather				
4.	Marketing				
5.	Awareness				
6.	Enterprises				
7.	Others				
8.	Total				

8.5 Kisan Sarathi

Name of KVK	**No. of Farmers Registered on Portal**
KVK, Saraiya	6315

8.6. a. Observation of Swachhta hi Sewa (2nd -31st Oct 2023)

Date/ Duration of Observation	**Activities undertaken**	**No. of Participants**			
		Staffs	**Farmers**	**Others**	**Total**
02/10/2023	Display of banner at prominent places, taking Swachhata pledge	10	5	-	15
04/10/2023	Cleanliness drive including cleaning of offices, corridors and premises of kvk	12	5	-	17
06/10/2023	Cleanliness and sanitation drive in the villages adopted by kvk	10	6	-	16
07/10/2023	Cleanliness and sanitation drive within campuses and surroundings including residential colonies	10	6	-	16
10/10/2023	Waste to wealth practice	10	17	-	27
11/10/2023	cleaning of sewerage & water lines	10	-	-	10
12/10/2023	conversion of waste to wealth, safe disposal of all kinds of wastes	10	18	-	28
13/10/2023	Celebration of Special Day	10	30	-	40
14/10/2023	Swachhta Awareness at local level	10	22	-	32
16/10/2023	Awareness on waste management & other activities including utilization of organic wastes.	10	21	-	31
17/10/2023	Swachhta Awareness at local level	7	2	-	9
25/10/2023	Polythene free and waste to best management	10	17		27
27/10/2023	Water harvesting in kitchen garden	10	30	-	40
29/10/2023	Community waste disposal site management	10	17		27
31/10/2023	Cleanliness and sanitation drive in	10	17		27

	the villages adopted by kvk				

b. Observation of SwachtaPakhwada (15 Dec -31st Dec 2023)

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
15/12/2023	1	3	1	3	7
18/12/2023	1	4	2	4	10
20/12/2023	2	3	2	5	10
23/12/2023	1	2	2	6	10
27/12/2023	1	4	2	2	8
29/12/2023	1	3	2	1	6
30/12/2023	1	4	2	2	8

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

S.No	Activities	No of village covered	Total Expenditure (Rs.in Lakhs)
1.	Vermicomposting	**10**	**14000.00**
2.	Other than vermicomposting activities under Swachata	**2**	**0.00**

8.7. Details of '*Pre-Rabi Campaign*' Programme

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

8.8 .VikisitViksit Bharat Sanklap Yatra (LLB and ULB)

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	46	102	11735	97

8.9. 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

9. Information on Visit of Ministers 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)

10. List of other visitors (MP/MLA/DM/VC/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit

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

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

- Year: 2023-24
- Introduction / General Information:

Treatment	Trial Name	Crop	Area covered (ha)	Variety:	Duration of crop (days)	Method of planting/Sowing	Grain yield (q/ha)	Straw Yield (q/ha)	Date of harvesting	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	BCR
T1	**Rice-Wheat system optimization through crop establishment**												
	Vattar (dust mulch) DSR followed by zero tillage wheat under BMP	Paddy	1	R. Neelam	145	DSR-ZT	48.99	58.2676	10.11.2023	34416.00	113039.14	78623.14	2.28
	Puddled transplanted rice followed by zero tillage wheat under BMP	Paddy	1	R. Neelam	145	CT	45.02	54.5848	12.11.2023	39800.00	105894.51	66094.51	1.66
	Puddled transplanted rice followed by conventional tillage wheat DOS/ DOT as per farmer practice	Paddy	1	R. Neelam	145	CT	42.04	53.3696	14.11.2023	41184.40	103537.02	62352.62	1.51
T2	**Performance of DSR under dust mulch (presowing irrigation or equivalent pre-monsoon rain)**												
	DSR + presowing irrigation and postsowing irrigation @ 15-21 days after sowing (DAS)	Paddy	1	R. Neelam	145	DSR-ZT	49.46	58.77	12.11.2023	35116.00	114013.80	78897.80	2.25
	Puddle transplanted rice (check)	Paddy	1	R. Neelam	145	CT	43.22	53.48	15.11.2023	41500.00	103751.20	62251.20	1.50
T3	**Reducing seed rate of rice through rice nursery enterprise (RNE), 10 RNEs in each district**												
	7.5 acre area transplanted from 0.5 acre of rice nursery (12 kg seed rate per acre, 3 seedlings per hill with spacing of 20 cm x 15 cm).	Paddy	1	R. Bhagwati	135	CT	42.28	52.68	09.11.2023	40500.00	82023.20	41523.20	1.03
	15 acre area transplanted from 0.5 acre of rice nursery (6 kg seed rate per acre, 2 seedlings per hill with spacing of 20 cm x 15 cm).	Paddy	1	R. Bhagwati	135	CT	48.78	58.48	12.11.2023	41500.00	94633.20	53133.20	1.28
	30 acre area transplanted from 0.5 acre of rice nursery (3 kg seed rate per acre, 1 seedling per hill with spacing of 20 cm x 15 cm).	Paddy	1	R. Bhagwati	135	CT	44.65	54.28	13.11.2023	41500.00	86621.00	45121.00	1.09

Different trails under CSISA-20233 Project

Report on Cereal Systems Initiative for South Asia (CSISA)

a) Year: Rabi- 2022-23

Introduction / General Information:

Treatment	Name of Trial	Crop	Area covered (ha)	Variety :	Duration of crop (days)	Method of planting/Sowing	Grain yield (q/ha)	Straw Yield (q/ha)	Date of harvesting	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net return (Rs/ha)	BCR
T1	Performance of timely sown (TSWVs) and late sown wheat varieties (LSWVs) under different sowing schedules across ecologies Cultivar HD 2967												
	1st to 10th Nov	Wheat	1	HD-2967	145	ZT	56.75	67.25	2022.04.04	32500	114342.38	81842.38	2.52
	11th to 20th Nov	Wheat	1	HD-2967	145	ZT	55.47	66.95	2022.04.06	32500	111769.23	79269.23	2.44
	21st to 30th Nov	Wheat	1	HD-2967	145	ZT	52.88	59.96	2022.04.12	32500	106553.20	74053.20	2.28
	1st to 15th Dec	Wheat	1	HD-2967	145	ZT	39.92	48.37	2022.04.17	32500	80432.24	47932.24	1.47
	16th to 31st Dec	Wheat	1	HD-2967	145	ZT	36.33	46.24	2022.04.24	32500	73204.07	40704.07	1.25
	late sown wheat varieties (LSWVs) Karan Vandana (DBW 187)												
	21st to 30th Nov	Wheat	1	DBW 187	120	ZT	49.88	68.52	2022.04.12	32500	100500.14	68000.14	2.09
	1st to 15th Dec	Wheat	1	DBW 187	120	ZT	47.92	67.37	2022.04.15	32500	96552.24	64052.24	1.97
	16th to 31st Dec	Wheat	1	DBW 187	120	ZT	39.33	53.64	2022.04.20	32500	79249.07	46749.07	1.44
T2	Assessing the effect of irrigation intensification on productivity of early and late planted wheat under conventional (CT-Broadcast and CT-Line Sowing) and zero tillage (ZT)												
	Early sown fields (before Nov 7- 20th)												
	CT (Broadcasting and Line Sowing) with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	Wheat	1	HD-2967	145	CT	39.89	48.58	2022.04.12	39800	80378.35	40578.35	1.02
	CT (Broadcasting and Line Sowing) with 4 irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)	Wheat	1	HD-2967	145	CT	42.58	56.65	2022.04.16	40800	85798.70	44998.70	1.10
	ZT with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	Wheat	1	HD-2967	145	ZT	52.47	66.95	2022.04.13	32800	105724.23	72924.23	2.22

	ZT with 4 irrigations (21 DAS, 65 DAS, 85 DAS, 105 DAS)	Wheat	1	HD-2967	145	ZT	57.75	67.25	2022.04.17	33500	116357.38	82857.38	2.47
	Late sown fields (Dec 16th to 25st)												
	CT (Broadcasting and Line Sowing) with 2 irrigations (21 DAS, 65 DAS)	Wheat	1	HD-2967	145	CT	37.89	46.58	2022.04.09	38000	76348.35	38348.35	1.01
	CT (Broadcasting and Line Sowing) with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	Wheat	1	HD-2967	145	CT	39.75	48.59	2022.04.15	39600	80096.25	40496.25	1.02
	ZT with 2 irrigations (21 DAS, 65 DAS)	Wheat	1	HD-2967	145	ZT	38.33	47.28	2022.04.07	31500	77234.07	45734.07	1.45
	ZT with 3 irrigations (21 DAS, 65 DAS, 105 DAS)	Wheat	1	HD-2967	145	ZT	42.48	52.65	2022.04.12	32200	85597.20	53397.20	1.66
T3	Phosphorus reduction and omission trials in rice												
	60 P_2O_5 rice *(fb)* 60 P_2O_5 wheat*	Wheat	1	HD-2967	145	ZT	55.92	68.37	2022.04.11	33500.00	112672.24	79172.24	2.36
	0 P_2O_5 rice *(fb)* 60 P_2O_5 wheat*	Wheat	1	HD-2967	145	ZT	48.33	58.28	2022.04.10	31500.00	97384.07	65884.07	2.09
	30 P_20_5 rice *(fb)* 30 P_2O_5 wheat*	Wheat	1	HD-2967	145	ZT	53.87	62.96	2022.04.13	32500.00	108548.05	76048.05	2.34






Different trails under CSISA-20233 Project

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

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

b. Fund received under TSP in 2023-24 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2023

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

d. Location and Beneficiary Details during 2023

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

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	8	465
b.	Women		

c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		2	35
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		104	367
5)	Other activities		
a.	Participants in extension activities (No.)	846	
b.	Production of seed (q)	-	
c.	Production of Planting material (No. in lakh)	-	
d.	Production of Livestock strains (No. in lakh)	-	
e.	Production of fingerlings (No. in lakh)	-	
f.	Testing of Soil, water, plant, manures samples (Nos.)	25	

11.4. NICRA (Technology Demonstration component)

a. Natural Resource Management

Name of intervention undertaken	Numbers under taken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

b. Crop Management / Production

Name of intervention undertaken	Area (ha)	No of farmers covered / benefitted									Remarks
		SC		ST		Other		Total			
		M	F	M	F	M	F	M	F	T	

c. Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F	T	

d. Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	No of farmers covered / benefitted									Remarks
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

e. Capacity building

Thematic area	No of Courses	No of beneficiaries								
		SC	ST		Other			Total		
		M	F	M	F	M	F	M	F	T

f. Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	ST		Other			Total		
		M	F	M	F	M	F	M	F	T

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

S.No		No. of blocks allocated	Name of blocks	No. of FPOs registered	Average no of members per FPO	No. of FPO received Management cost	No. of FPO received Equity Grant	No. of FPOs doing business

Number of commodity-based organizations/ farmers' cooperative society/ FPO formed/ associated with during last one year (Details of the group/society may be indicated)

S.No	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Saraiya Kisan farmer producer company limited	-	-	Production	Wheat	300	3 lakh	Production and marketing
2	Climate Resilent agriculture Farmers Producer Company LTD.	-	-	Production	Wheat	1000	1.4 lakh	Productino and marketing
3	Nee Farmers Producer Company LTD.	-	-	Production	Wheat &vegitable	1000	2.10 lakh	Productino and marketing
4	Sahajanand	-	-	Production	Wheat &	600	1.0L	Productino

	Farmers Producer Company LTD.				Vegetable			and marketing
5	Sarvoday sabji utpadak producer co. ltd	-	-	Production	Vegetable	600	1.0 L	Productino and marketing

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

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries
05	-	-	-	02	40	03	125

b. Details of OFT/FLD

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

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

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.	Brahmsthan Rohua Rajaram Gannipur Dariyapur Berai	Backyard/Kitchen garden/community level	01 01 01 01 01	185sq ft 880 sq ft 300 sq ft 200 sq ft 450 sq ft	40 40 40 40 40
TOTAL			5		

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

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

e. Details of Value addition in Nutri-Smart village

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

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
Brahmsthan	Kitchen gardening, Health, nutrition and nutritive food training for farmer women	**1**	**40**
Rohua Rajaram		**1**	**40**
Gannipur		**1**	**40**
Dariyapur		**1**	**40**
Berai		**1**	**40**

g. Extension activities under NARI Project

SI. No.	Name of Activity	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Poshan Vatika training for farmers and farm women at KVK, Saraiya, Muzaffarpur	1	0	0	10	3	15
2	Health and nutrition training for pregnant and lactating mother at Bayadih village	1	0	0	18	7	25
3	Health and nutrition training for mother & her six year girl child at Ratanpura, Motipur	1	0	16	0	9	25
4	Waste bag method of kitchen gardening for Extension functionaries at KVK, Saraiya	1	5	0	25	5	30
5	Health, nutrition and nutritive food training for farmer women at Dukhan Saraiya village	1	0	0	21	4	25
6	Mobile advisory service/ monitoring of kitchen garden for selected anganwari center of Muzaffarpur	5	0	1	4	1	6
7	Exposure visit of farmers to KVK nutrigarden	3	15	2	75	25	125
	Total	**13**	**20**	**19**	**153**	**54**	**251**

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
1	Kisan Mela, KVK, Piprakathi	45
2	SSB, Sec. HQ. Muzaffarpur	30
3	Ratanpura, Motipur	38

11.7Attracting and Retaining Youth in Agriculture (ARYA)

Name of enterprises	No. of entrepreneurial units established	No. of Training programs organized	No. of rural youth trained		No. of youth established units		Total entrepreneurial units formed	Total entrepreneurial units Functional
			Male	Female	Male	Female		

11.8 Out-scaling of Natural Farming

a. Overall achievements

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	09	764
2.	Training programme	02	80
3.	Demonstrations	12	12

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries
1.	Natural farming	01.12.2022	KVK, Saraiya	41
2.	Natural farming	08.12.2023	KVK,Sraiya	144

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
1	Natural farming	08.12.2022	Anajanakot, Motipur	109
2	Natural farming	16.12.2022	Kamalpur,Motipur	106
3	Natural farming	23.12.2022	Kvk, Saraiya	100
4	Natural farming	27.12.2022	KVK, Sraiya	23
5	Natural farming	29.12.2022	KVK, Sraiya	100
6	Natural farming	06.12.2023	Amaitha, saraiya	101
7	Natural farming	10.01.2023	KVK, Saraiya	40
8	Natural farming	18.03.2023	KVK, Saraiya	31

9	Natural farming	07.11.2023	Bhagwatpur	11
10	Natural farming	09.11.2023	KVK, saraiya	12
11	Natural farming	08.12.2023	KVK, Saraiya	150

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.
1	Wheat	Amaitha, Saraiya	0.4
2	Wheat	Bhagwatpur, Marwan	0.4
3	Wheat	Pokharaira, Saraiya	0.4
4	Wheat	Pokharaira, Saraiya	0.4
5	Wheat	Supna, Saraiya	0.4
6	Wheat	Dawarikanathpur, Marwan	0.4
7	Wheat	Kamalpura	0.4
8	Wheat	Bahilwara	0.4
9	Wheat	Vishunpur saraiya	0.4
10	Wheat	Pakadi	0.4
11	Wheat	Sain	0.4
12	Wheat	Bangra Muz	0.4
13	Wheat	Pokharaira	0.4

Results of Rabi Season (Wheat and Potato) at farmers field and KVK Farm under Natural farming(NF)

Demo	Crop	Variety	Area (in acre)	No. of Demo	Yield (q/ha)		Cost of Cultivation (Rs/ha)		Gross Return (Rs/ha)		Net Return (Rs/ha)		B:C Ratio		Impact and Change % in Yield
					NF Demo Yield	Check Yield	NF Demo	Check	NF Demo	Check	NF Demo	Check	NF Demo	Check	
Farmer's field	Wheat	HD 2967	4	4	32.45	42.75	29800	32500	68956.25	90843.75	39156.25	58343.75	1.31	1.80	-24.09
Farmer's field	Wheat	DBW 187	3	3	33.85	45.17	29800	32500	71931.25	95986.25	42131.25	63486.25	1.41	1.95	-25.06
KVK, Saraiya	Wheat	HD 2967	1	1	32.65	42.87	29800	32500	69381.25	91098.75	39581.25	58598.75	1.33	1.80	-23.84
Farmer's field	Potato	K.Mohan	1	1	174.65	210.85	74500	79500	261975	316275	187475	236775	2.52	2.98	-17.17

Results of Kharif Season (Paddy) at farmers field and KVK Farm under Natural farming(NF)

Demo	Crop	Variety	Area (in acre)	No. of Demo	Yield (q/ha)		Cost of Cultivation (Rs/ha)		Gross Return (Rs/ha)		MSP @ qt.	Net Return (Rs/ha)		B:C Ratio		Impact and Change % in Yield
					NF Demo Yield	Check Yield	NF Demo	Check	NF Demo	Check		NF Demo	Check	NF Demo	Check	
Farmer's field	Paddy	R. Bhagwati	8	8	38.54	43.56	32500	44500	84132.82	95091.48	2183	51632.82	50591.48	1.59	1.14	-11.52
Farmer 's field	Paddy	R. Bhagwati	8	8	36.27	42.34	32500	44500	79177.41	92428.22	2183	46677.41	47928.22	1.44	1.08	-14.34
Farmer's field	Paddy	R. Bhagwati	8	8	39.78	41.95	32500	44500	86839.74	91576.85	2183	54339.74	47076.85	1.67	1.06	-5.17
Farmer's field	Paddy	R. Bhagwati	8	8	35.86	42.45	32500	44500	78282.38	92668.35	2183	45782.38	48168.35	1.41	1.08	-15.52
Farmer 's field	Paddy	R. Bhagwati	8	8	39.54	41.78	32500	44500	86315.82	91205.74	2183	53815.82	46705.74	1.66	1.05	-5.36
Farmer 's field	Paddy	R. Bhagwati	8	8	34.69	40.87	32500	44500	75728.27	89219.21	2183	43228.27	44719.21	1.33	1.00	-15.12
Farmer's field	Paddy	R. Bhagwati	8	8	37.97	42.95	32500	44500	82888.51	93759.85	2183	50388.51	49259.85	1.55	1.11	-11.59
Farmer's field	Paddy	R. Bhagwati	8	8	38.26	44.27	32500	44500	83521.58	96641.41	2183	51021.58	52141.41	1.57	1.17	-13.58
Demons-tration detail at KVK farm	The Demonstration unit at KVK farm covered an area of 1 acre and was dedicated to Natural Farming. It served as an educational platform for more than 609 farmers who visited to learn about the various components of Natural Farming. Through the demonstrations, the farmers were equipped with the knowledge and skills to apply Natural Farming in their own fields															
Results of Demonstration Unit at KVK farm																
KVK, Saraiya	Paddy	R. RajShree	1	1	43.65	53.6	33500	44500	95287.95	117008.8	2183	61787.95	72508.8	1.84	1.63	-18.56

11.9 District Agro Meteorological Unit (DAMU)

Title of the Project: District Agrometeorological Unit (DAMU)

Name of Blocks: 16 Block (Aurai, Bandra, Baruraj (Motipur), Bochaha, Dholi (Moraul), Gaighat, Kanti, Katra, Kurhani, Marwan, Minapur, Musahri, Paroo, Sahebganj, Sakra, Saraiya)

Year of start of AAS at DAMU: 2019

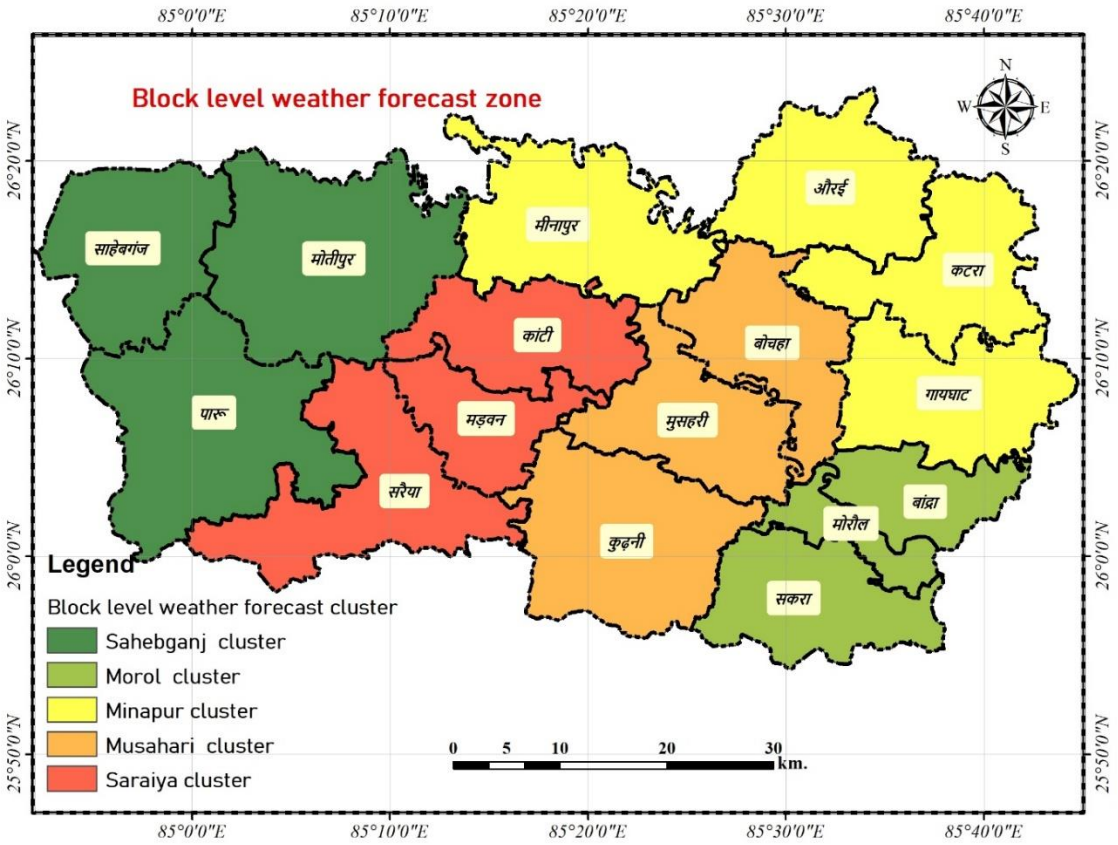
3. Name and address with landline and mobile numbers along with STD code (also provide e-mail address) of head of ATARI, Project Coordinator, Head of the Krishi Vigyan Kendra (KVK)

Designation	Name	Address	STD code Telephone no. & Fax	Email-id
Head of KVK	**Dr. Santosh Kumar Gupta**	Krishi Vigyan Kendra, Saraiya (Muzaffarpur) Goraul Rd, Sadipur, Dist. - Saraiya – 843126 (Bihar) India	709197583	head.kvk.saraiya@rpcau.ac.in
Project Coordinator (PC)	Dr. Tarun Kumar	Krishi Vigyan Kendra, Saraiya (Muzaffarpur) Goraul Rd, Sadipur, Dist. - Saraiya – 843126 (Bihar) India	7725021495	tarun.iirs88@gmail.com
SMS	**Nil**	Nil	Nil	Nil
AgroMet Observer (AO)	**Nil**	Nil	Nil	Nil

Block level weather forecast verification

There are 16 Blocks in Muzaffarpur district. These blocks were grouped in to five clusters on the basis of homogeneous meteorological conditions, major soil type and major cropping system. These clusters are as following –

1. Saraiya cluster
2. Minapur cluster
3. Sahebganj cluster
4. Musahari cluster
5. Garol cluster



S. No	No. of Block agromet advisories send	No. of advisory bulletin published	No. of Farmers Awareness programmes organized	No. of farmers feedback received	No. of farmers received agromet advisory bulletin	No. of publication
1	**16**	**104**	**0.00**	**15**	**35600.00**	**0.00**

Feedback from Farmer

The effective survey was conducted at mid-season and after harvesting of crop from different blocks of Muzaffarpur district. The survey was completed based on a feedback questionnaire, personal contact, mobile contact from farmers in which the usefulness and impact of Agromet Advisory Services was assessed. This agricultural weather advisory was delivered by sending message to the farmers' WhatsApp number, email, facebook, newspaper and personal number. It includes weather based agricultural advice to farmers, including weather related information for the next 5days and agricultural work such as crop management, proper use of irrigation, quantity of fertilizer and time of planting and method of planting, measures to avoid diseases and pests were informed. Feedback taken by 50 farmers. The finding of the study have been presented under following heads

Distribution of the respondents by their availability of communication media:-

S.N.	Category	No. of respondents(50)	Percentage
1	Whatsapp	50	80
2	Personal contact	40	75

Rating of Agromet Advisory Bulletin by farmers:-

S.N.	Rating	No. of respondents (50)	Percentag
1.	Good	37	74
2.	Satisfactory	10	20
3.	Irrelevant	3	6

11.10 KSHAMTA

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

11.11 Agri-Drone

S.No	Name on the project implementation center (PIC)	No. of kisan drones sanctioned	No. of kisan drones purchased by the PIC	Procurement of no of drones in process	Area covered under the kisan drone demonstration (ha)	No. of demonstration conducted	No. of Pilot training proposed	No. of Pilot training conducted

11.12 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1.	Fish-horticulture based integrated farming system	1.0	Fish and Horticulture crops	-	-	5	17 %

b. Activities under IFS

Sl. No.	Component Name	No. of KVKs under the Component	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
					Demo	Training	Demo	Training
1.	Fish	2	0.5	8	-	500	-	Fish
2.	Horticulture crop	1	0.5	8	3	500	45	Horticulture crop

11.13 Report on Digital Farming Initiatives in Agriculture/ Digital Ag. Extension Service

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I	03	632	Excel		CRA Farming
II					
Total	03	632			

11.14 Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1	judicious use of insecticides and chemical sponsored by HIL, India ltd.	08.12.2023	KVK, Saraiya	Awareness	630

Significant achievement of the KVK with facts and figures as well as quality photograph

Adoption of Micro-Irrigation System

More than 100 farmers adopted drip Kit

Drip Irrigation: 107 ha.

Mini sprinkler: 125 ha.

Gramin Krishi Mausam Sewa (GKMS)

ICAR has set up District Agro-Met Unit (DAMU) under Gramin Krishi Mausam Seva (GKMS) scheme.

Agro-advisory services are given to the farmers that helps them in taking desion related to farm activities such as sowing / transplanting of seedlings, pesticides, weedicides and fertilizer application etc.

Income Generation by Master trainer

Master Trainer developed in field of Beekeeping.

Their services are utilized by organization like Jeevika.

He was master trainer under JEEVIKA in 30 trainings

Zero tillage/Raised bed of wheat

Varity: HD -2967, HD-2733

Area Covered: 450 Acrea

(No. of Beneficiaries - 435)

Raised/Flat bed planting of Maize

Varity: SNH5533

Area Covered: 82 Acrea

(No. of Beneficiaries - 118)

Intercropping of maize with potato

Varity: Kufri Sindoori

Area Covered: 36 Acrea

(No. of Beneficiaries - 80)

Zero tillage of Mustard

Mustard - Rajendra Shufalam

Area Covered: 04 Acrea

(No. of Beneficiaries - 18

Direct Seeded Rice with climate resilient varieties

Mustard - Varity: Rajshree, R. Manshuri, R. Sweta, R. Bhagwati, R. Neelam, Sahbhagi

Area Covered: 420 Acrea

(No. of Beneficiaries - 635)

Alternate wetting/ drying irrigation in rice

Area Covered: 72 Acrea

(No. of Beneficiaries - 74)

Community Irrigation in rice

Area Covered: 30 Acrea

(No. of Beneficiaries - 45)

Laser Land Leveler

Area Covered: 60 Acrea

(No. of Beneficiaries - 60)

Weed control by Grubber and wheel weeder in Green gram crop:

Wheel weeder was found most effective in reducing population of weeds and producing maximum yield of green gram

Farmer Field: 120

Water saving in agriculture through Micro-Irrigation:

100 farmers adopted drip kit. Now 265 acre is under drip irrigation and 400 acre under mini sprinkler.

Wheat straw as best substrate for Oyester mushroom cultivation:

Through training, demonstration and FLD this technology is initiated among 200 farmers and 100% of them are using wheat straw for oyster mushroom cultivation

Project Details

1. Climate Resilient Agriculture Program-2022

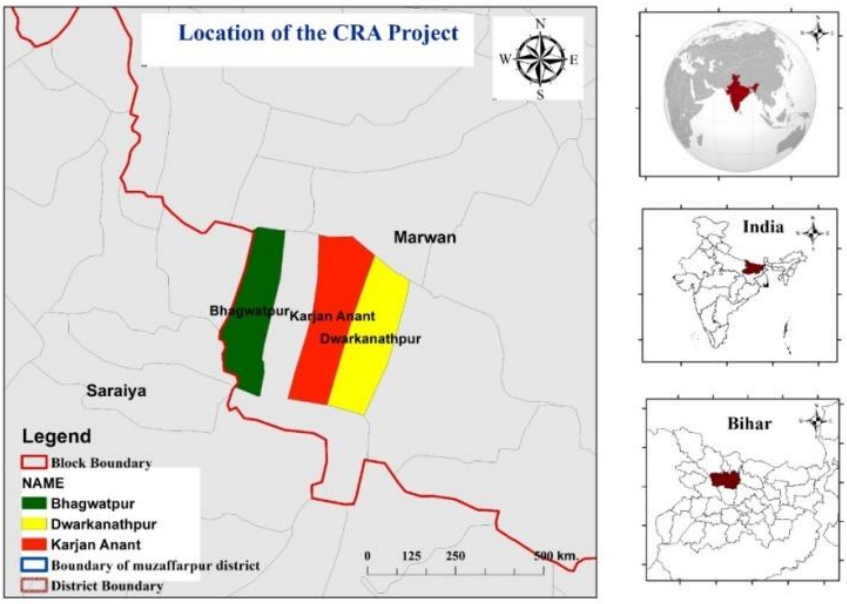
1. Name of the KVK: Krishi Vigyan Kendra, Saraiya, Muzaffarpur
2. Involved Scientists:

S. No.	Name	Discipline/Subject
1.	Dr. A.K. Singh	Sr. Scientist & Head (Horticulture)
2.	Dr. Tarun Kumar	SMS (Agricultural Engineering)
3.	Dr. Rajneesh Singh	SMS (Crop Production)

3. Name of Project Staff & Designation: Nil
4. Adopted villages:

Climate Resilient Agriculture Program sanctioned by the Bihar Government has been extended to KVK Saraiya for its efficient trials and implementation. KVK Saraiya under this program have been trying to extend its services to the nook and corners of the areas under its surveillance and have been successful in its endeavors in upgrading the farmers knowledge, field practices and activities from the traditional to the modern ways of agriculture.

Three villages **Dwarikanathpur, Bhagwatpur and Anantkarja** under the **Marwan Block** have been selected for the demonstration trials under CRA Project. Seeds, fertilizers, insecticides and knowledge of other essential inputs and practices are imparted to the farmers. For the Rabi season trials critical inputs such as **Pendimethalin, Broadway, Sulphur, Saaf, thiomethaxam, spinetorum, micronutrients and biofertilizers (Rhizobium & PSB)** has been distributed. Several **exposure visits** from the non-CRA villages to the fields of CRA villages have been done and are continuously being conducted for the awareness of the farmers.



Location of the villages under KVK, Saraiya, Muzaffarpur district in CRA Project

The details of the crops, area and number of demonstrations for the Summer, Kharif and Rabi season crop trials are given below:

5. Demonstrations

Village Name	Rabi 2022-23				Summer 2023				Kharif 2023			
	Crop	Intervention	Area (acres)	Productivity (q/ha)	Crop	Intervention	Area (acres)	Productivity (q/ha)	Crop	Intervention	Area (acres)	Productivity (q/ha)
1.	Wheat	ZT	225	55.60	Green gram	ZT	150	12.50	Rice	DSR	240	58.25
	Wheat	LCC	15	52.68					Rice	LCC	15	55.5
	Wheat	CI	12	51.20					Rice	CI	12	53.68
									Rice	AWD	35	52.25
									Rice	WHFB	25	51.27
Total												
2.	Mustard	ZT	30	15.56					Maize	RBP/ LS	10	68.27
									Maize+ Pigeonpea	LS	10	67.89 Not harvested
Total												
3.	Lentil	ZT	30	14.80					Pigeonpea	RBP/ LS	10	Not harvested
Total												
4.	Maize	RBP	42	68.75								
	Maize+ Potato	LS	18	65.85 237.85								
Total												
5.	Potato	RBP	2	245.35								
Total												
Grand Total			374				100				357	

Rabi 2023-24 Progress

Village Name	Crop	Technology intervention	Area (acres)
1. Bhagwatpur	Wheat	ZT, NM (LCC) and CI	75
	Mustard	ZT	10
	Lentil	ZT	10
	Maize	RBP/ LS	15
	Potato	RBP	1
	Maize+ Potato	Intercropping	7
Total			**118**
2. Dwarikanathpur	Wheat	ZT, NM (LCC) and CI	85
	Mustard	ZT	10
	Lentil	ZT	10
	Maize	RBP/ LS	14
	Potato	RBP	1
	Maize+ Potato	Intercropping	5
Total			**125**
3. Karjan Anant			
	Wheat	ZT, NM (LCC) and CI	**65**
	Mustard	ZT	**10**
	Lentil	ZT	**10**
	Maize	RBP/ LS	**13**
	Potato	RBP	**0**
	Maize+ Potato	Intercropping	**6**
			104

6. Adopted Cropping Systems

S. No.	Name of Cropping System	Demonstrated Varieties		
		Kharif	Rabi	Summer
1.	TP Rice-CT Wheat-Fallow	Rajshree, R. Mansuri 1, R. Bhagwati, R. Neelam, R. Sweta and R. Sarasawti	HD 2967, DBW 187, DBW 252 and WB 39	
2.	DSR Rice-ZT Wheat- ZT Green Gram			IPM-205-7 (Virat)
3.	Rice – Potato- Green Gram		K.Mohan	
4.	DSR Rice- RBP Maize- ZT Green Gram		SMH 5522	
5.	DSR Rice- ZT Mustard- ZT Green Gram		Pusa 27	
6.	DSR Rice- ZT Lentil - ZT Green Gram		IPL 316	
7.	Rice- Potato + Maize - Green Gram		SMH 5522+ K. Jyoti	
8.	LS Maize-ZT Mustard- ZT Green Gram	SMH 5533	Pusa 27	
9.	LS Maize-ZT Lentil- ZT Green Gram	SMH 5533	IPL 316	
10.	Pigeon pea- ZT Green Gram	R. Arhar 1	R. Arhar 1	

7. Productivity of best three cropping system

S. No.	Name of Cropping System	Productivity (q/ha)		
		Kharif	Rabi	Summer
1.	DSR Rice-ZT Wheat- ZT Green Gram	52.27	50.14	11.85
2.	Rice- Potato + Maize - Green Gram	50.34	67.75	11.46
3.	LS Maize-ZT Mustard- ZT Green Gram	66.75	15.56	12.27

*Maize equivalent yield

8. Profitability of best three cropping system

S. No.	Name of Cropping System	Profitability (₹/ha)		
		Kharif	Rabi	Summer
1.	DSR Rice-ZT Wheat- ZT Green Gram	78595.41	79697.65	69912.35
2.	Rice + Maize - Green Gram	70392.22	89507.57	71912.45
3.	LS Maize-ZT Mustard- ZT Green Gram	69507.65	58302.45	72912.65

9. Crop wise Productivity (CRA vs Non CRA)

Crop	Productivity (q/ha)		% increase over Non CRA
	CRA	Non CRA	
Rice	52.27	43.64	16.5
Wheat	50.14	44.83	10.6
Maize	67.75	60.65	10.5
Mustard	15.56	13.13	15.6
Lentil	14.8	11.34	23.4
Pigeon pea	12.25	9.82	19.8
Potato	245.35	227.65	7.2
Greengram	11.86	8.64	27.2

10. Crop wise Profitability (CRA vs Non CRA)

Crop	Profitability (Rs/ha)		% increase over Non CRA
	CRA	Non CRA	
Rice	78595.00	40426.00	48.56
Wheat	79697.00	41017.00	48.53
Maize	89507.00	63868.00	28.65
Mustard	58302.00	48693.00	16.48
Lentil	62300.00	38425.00	38.32
Pigeon pea	48008.00	29952.00	37.61
Potato	186150.00	109235.00	41.32
Greengram	72912.00	33254.00	54.39

Crop diversification

S. No.	Crops*	% of area covered in CRA village	% of area covered in non-CRA village
01.	Maize	20	09
02.	Mustard	30	24
03.	Lentil	08	04

04.	Pigeon pea	06	3
05.	Potato	5	02
06.	Greengram	37	15

- Specify the crops other than rice and wheat

11. Capacity building (April-December 2023)

S. No.	Details of the Program	No. of events	Male	Female	No. of Beneficiaries
1.	Training programs	16	496	191	687
2.	Field Days	9	145	53	198
3.	Exposure visits/Travelling Seminars	2	85	27	112
4.	Others	4	85	27	112
Total		31	811	298	1109

12. Crop Residue Management

Particulars	**Quantity**
Bio char production	
Straw bale formation	
Spray of Pusa waste decomposer	
Substrate used for Mushroom production	

13. Custom Hiring centers

S. No.	No. of Machineries available	Total revenue generated (2022-23)
1.	23	₹ 615200.00

Technology Spread

S. No.	Crop	Technology Intervention	Area (ha) in CRA Village	Area (ha) in Non CRA Village
1.	Paddy	Direct Seeded Rice	50	10
2.	Paddy	AWD	15	0
3.	Paddy	Nutrient Management using LCC	15	0
4.	Paddy	Community Irrigation	6	0
5.	Wheat	Zero Tillage	61	28
6.	Wheat	Nutrient Management using LCC	2.5	0
7.	Wheat	Community Irrigation	6	0
8.	Mustard	Line Sowing	8	3

9.	Maize	Raised Bed Planting	16	0
10.	Lentil	Zero Tillage	8	1
11.	Maize+ Potato	Intercropping	5	50
12.	Greengram	Zero Tillage	41	18

Long term trial experiment

Adopted Cropping Systems		Kharif		Rabi		Summer	
		Variety	Productivity (q/ha)	Variety	Productivity (q/ha)	Variety	Productivity (q/ha)
1	**DSR Rice-CT Wheat-ZT Moong**	R. Rajshree	56.47	HD 2967	48.45	-do-	11.25
2	**DSR Rice-ZT Wheat- ZT Moong Bean**	R. Mansuri	41.34	DBW-187	52.65	-do-	11.47
3	**DSR Rice - Potato+ Maize- ZT Moong Bean**	R. Bhagwati	48.56	K. Mohan	235.14	-do-	11.27
4	**DSR Rice-Maize-ZT Moong Bean**	R. Neelam	47.25	SNH 5533	67.45	-do-	11.52
5	**DSR Rice-ZT Mustard-Moong Bean**	R. Neelam	47.25	R. Sufalam	14.45	-do-	11.65
6	**DSR Rice-ZT Lentil - ZT Moong Bean**	HY. Swarn Gold 3355	58.56	IPL 316	11.75	-do-	11.78
7	**DSR Rice-Potato + Maize -ZT Moong Bean**	R. Rajshree	56.47	K. Mohan	215.14	-do-	11.76
8	**RB Maize-Mustard-ZT Moong Bean**	SNH 5533	67.45	R. Sufalam	14.45	-do-	11.65
9	**RB Maize-ZT Lentil-ZT Moong Bean**	SNH 5533	67.45	IPL 316	11.75	-do-	12.27
10	**Arhar - ZT Arhar- ZT Moong Bean**	R. Arhar	-	R. Arhar	8.47	-do-	11.56

14. New Initiatives

As a new initiative in climate-resilient agriculture, employ rice residue as mulch in potato crop cultivation

15. Best five original photographs

DSR technology used in sowing of paddy at Dwarikanathpur village.

Maize at Anantkarja village.

Zero tillage line sowing of Mustard.

Sowing of Pigeon Pea with zero tillage technique.

Maize sowing with Raised bed planter.

Sowing of Wheat with happy seeder.

Use of LCC in DSR Paddy

DSR Paddy

Crop cutting (Field Day)

Potato sowing with potato planter

ZT Green gram

Install the water level monitoring pipe in the AWD system in the paddy field

12. Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year -2023.

Photographs of trainings and other activities


कृषि विज्ञान केन्द्र
मृदा जागरूकता सप्ताह
22 08 2023


15 07 2023


HYV
Hybrid
18 08 2023


कृषि विज्ञान केन्द्र
25 08 2023


जल जीवन हरियाली
जलवायु अनुकूल कृषि कार्यक्रम
के अन्तर्गत
क्रॉप कटिंग
01 05 2023


कृषि विज्ञान केन्द्र सरैया
20 04 2023


कृषि विज्ञान केन्द्र, सरैया, मुजफ्फरपुर
डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय पूसा, समस्तीपुर
कृषि विज्ञान केन्द्र
सरैया, मुजफ्फरपुर
मेरी माटी मेरा देश
15 08 2023


कृषि विज्ञान केन्द्र
विश्व पर्यावरण दिवस
05 जून


कृषि विज्ञान केन्द्र
पशुपालन प्रबंधन
benq


डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्व
पूसा, समस्तीपुर
कृषि विज्ञान
सरैया, मुजफ्फरपुर
ऑन फार्म ट्रायल


कृषि विज्ञान केन्द्र


डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय
पूसा, समस्तीपुर
कृषि विज्ञान केन्द्र
सरैया, मुजफ्फरपुर


पाएड-बड़ी प्रशिक्षण कार्यक्रम


96. DR. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA
97. ICAR-INDIAN INSTI


कृषि विज्ञान केन्द्र
प्राकृतिक खेती
जागरूकता कार्यक्रम
अमृतपानी
बीजामृत
Style


मिलेटस प्रदर्शनी 2023


कृषि विज्ञान केन्द्र


डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय
पूसा, समस्तीपुर
कृषि विज्ञान केन्द्र
सरैया, मुजफ्फरपुर
अग्रिम पंक्ति प्रत्यक्षण


कृषि विज्ञान केन्द्र, सरैया, मुजफ्फरपुर


किसान भवन
कृषि विज्ञान केन्द्र
सरैया, मुजफ्फरपुर
विशेष स्वच्छता अभियान 3.0


कृषि विज्ञान केन्द्र
SARAIYA (MUZ.)


किसान भवन
कृषि विज्ञान केन्द्र सरैया

www.rpcau.ac.in

https://saraiya.kvk4.in/

head.kvk.saraiya@rpcau.ac.in 6287797159 KRISHIVIGYANKE1 kvkmuzaffarpur