

PROFORMA FOR ANNUAL REPORT 2023 (1st January- 31st December 2023)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra Agwanpur, Barh, Patna (Bihar)	9931312288		patnakvk@gmail.com kvk.patna@icar.gov.in

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

Address	Telephone		E mail
	Office	FAX	
Bihar Agricultural University Sabour, Bhagalpur.	06412-452604	06412-452604	vcbausabour@gmail.com

1.3. Name of the Programme Coordinator with phone & mobile No.

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Reeta Singh	9931312288	9931312228	patnakvk@gmail.com

1.4. Year of sanction of KVK: - August 1992

(Reference of sancation order):- NIES (35)/92/KVK/AE-12

Dated 05th August 1992

1.5. Staff Position (as on 1st January, 2023)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline	Pay Matrix Level	Date of joining	Permanent /Temporary	Category (SC/ST/OBC/ Others)
1	Senior Scientist & Head	Dr Reeta Singh	Senior Scientist & Head	Home Science	Level-13 (A)	09.07.2019	Permanent	Others
2	Subject Matter Specialist	Dr. Mrinal Verma	Subject Matter Specialist	Agricultural Engineering	Level-10 R	25.07.2007	Permanent	Others
3	Subject Matter Specialist	Sri Rajeev Kumar	Subject Matter Specialist	Soil Science	Level-10	20.12.2007	Permanent	Others
4	Subject Matter Specialist	Dr. Pushpam Patel	Subject Matter Specialist	Horticulture	Level-10	06.11.2023	Permanent	Others
5	Subject Matter Specialist	Vacant	Subject Matter Specialist	Vacant	-	-	-	-
6	Subject Matter Specialist	Vacant	Subject Matter Specialist	Vacant	-	-	-	-
7	Subject Matter Specialist	Vacant	Subject Matter Specialist	Vacant	-	-	-	-
8	Programme Assistant	Dr. Prakash Chandra Gupta	Programme Assistant (LabTech.)	Plant Physiology	Level-06	12.11.2012	Permanent	Others
9	Computer Programmer	Sri Akhilesh Kumar	Programme Assistant (Computer)	Computer	Level-06	22.05.2013	Permanent	BC
10	Farm Manager	Vacant	Farm Manager	-	-	-	-	-
11	Assistant	Sri Jayant Prasad	Assistant	M.com	Level-06	15.04.2013	Permanent	EBC
12	Stenographer	Sri Chandan Kumar	Stenographer	Graduation	Level- 04	26.06.2023	Permanent	BC
13	Driver	Sri Kanhaiya kumar Rai	Driver	Matric	Level-03	14.05.2015	Permanent	BC
14	Driver	Vacant	-	-	-	-	-	-
15	Supporting Staff	Bachhan Sah	Messenger cum Peon	8 th Pass	Level-02	22.12.1992	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	1.5	Administrative Building, Kisan Ghar, Seed Sale Counter, Implement Shed, Seed Godown, Threshing Floor, Demonstration unit of Poultry, Goatery, Cow, Vermicompost unit, Fishery, Community Radio Station, Video Conferencing etc
2	Under Demonstration Units	0.3	
3	Under Crops	14.2	
4	Orchard/Agro-forestry	4.0	
5	Others with details	-	
	Total	20.0	

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of building	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building	-	-	-	-	Completed	505	Under Use	ICAR
2.	Farmers Hostel	-	-	-	-	Completed	305	Under Use	ICAR
3.	Staff Quarters (6)	-	-	-	-	Completed (PC)	87	Under use	ICAR
						Completed Supporting Staff (2 Unit)	77	Abandoned	ICAR
						SMS (2 Unit)	Incomplete	128	
4.	Piggery unit	-	-	-	-	-	-	-	-
5	Fencing	-	-	-	Completed	-	2830 Running meter	Need to be repaired	ICAR
6	Rain Water harvesting structure	-	-	-	-	-	-	-	-
7	Threshing floor	-	-	-	-	Completed	785	Under Use	ICAR
8	Farm godown	-	-	-	-	Completed	60	Under Use	ICAR
9.	Dairy unit	-	-	-	Completed	-	-	-	RKVY
10.	Poultry unit	-	-	-	Completed	-	-	-	RKVY
11.	Goatary unit	-	-	-	Completed	-	-	-	RKVY
12.	Mushroom					1 unit	21	Under Use	ICAR

	Lab								
13.	Vermicompost production unit					1 unit	18	Under Use	ICAR
14.	Shed house					-	-	-	-
15.	Soil test Lab					1 unit	37	Under Use	ICAR
16.	DG Set Shed					1 unit	216	Under Use	ICAR
17.	Mushroom Production/ Demonstration Unit					1 unit	35	Under Use	ICAR

* 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
Motor cycle (BR01CQ9613)	2015	59,452.00	23357 Km	Good condition
Motor cycle (BR01CQ9614)	2015	59,452.00	8868 Km	Good condition
Tractor (BR01GD5837)	2014	6,65,000.00	3212 hr	Good condition
Tractor, 65 HP (CRA)	2021	941953.60	371 hr	Good condition
Tractor 55 HP	2021		233 hr	Good condition

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab Equipment				
pH meter	30.12.2013	15000.00	Working	ICAR
Atomic Absorption Spectro Photometer	31.03.2013	1060000.00	Working	ICAR
Flame Photometer			Working	ICAR
Spectro Photometer			Working	ICAR
Mrida Parikshak			Not Working	ICAR
STFR meter			Not Working	ICAR
b. Farm Machinery				
c. AV Aids				
(i) Podium	2013-14	31290.00	Working	ICAR
(ii) Audio aid	2013-14	17128.00	Working	ICAR
Photostat Copier machine with accessories	31.03.2016	96,173.00	Working	
Desktop Computer + Laptop HP	31.03.2016	82,583.00	Working	ICAR
CCTV	31.03.2016	21,000.00	Working	ICAR
LED flood light with stand	31.03.2016	6,500.00	Working	ICAR
Sound System	31.03.2016	30,165.00	Working	ICAR
Handycam	31.03.2016	82,871.00	Working	ICAR
Camera	17.01.2016	14,199.00	Working	ICAR
LED TV	16.03.2016	72,700.00	Working	ICAR
LED TV	12.09.2016	27200.00	Working	ICAR
Generator DG set	31.08.2016	3,94,134.00	Working	ICAR
Projector	31.03.2016	52,000.00	Working	ICAR
Water Cooler + Water purifier	12.09.2016	59,500.00	Working	ICAR

Panasonic LED	12.09.2016	27,200.00	Working	ICAR
Vaccum cleaner	12.09.2016	9,950.000	Working	ICAR
Still Photography Camera (Canon)	12.09.2016	29,600.00	Not Working	ICAR
External Hard Drive	12.09.2016	5600.00	Working	ICAR
Fire extinguisher Cylinder	12.09.2016	9,649.00	Working	ICAR
Autoclave	14.12.2012	57,000.00	Working	ICAR
Hot air oven	14.12.2012	64,500.00	Working	ICAR
BOD Incubator	22.12.2012	1,49,510.00	Working	ICAR
Laminar air flow	02.12.2012	97,670.00	Working	ICAR
Auto clave	February 2018	80000.00	Working	BSDM
Computer (Lenovo)	25.01.2018	49950.00	Working	CSISA Project
HP Color Printer	25.01.2018	14700.00	Working	CSISA Project
Hard Disk	25.01.2018	14990.00	Working	CSISA Project
Computer (HP)	30.03.2019	77499.00	Working	BSDM
Computer (Lenevo)	24.12.2021	91700.00	Working	IRRI

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor	05.05.2014	6,65,000.00	Working	ICAR
Trailer	14.04.1998	5,446.00	Not Satisfactory	ICAR
Nine tyne Cultivator	14.04.1998	3,961.00	Satisfactory	ICAR
Cage Wheel	14.04.1998	1,485.00	Satisfactory	ICAR
Mould Board plough	14.04.1998	7,920.00	Satisfactory	ICAR
Cultivator 11 tyne (Spring Loaded) 01	21.02.2012	-	Working	RKVY
Disk Harrow 12 disk (Mounted)	21.02.2012	-	Working	RKVY
Multicrop Thresher	21.02.2012	-	Working	RKVY
Seed processing plant	31.12.2011	9,81,760.00	Working	ICAR
Gator rocker hand sprayer	08.12.2012	4,300.00	Not Working	NHM
Knapsack Hand sprayer	08.12.2012	1,800.00	Working	NHM
Mould Board plough(Two bottom)			Working	NHM
Happy Seeder(2Nos)			Working	NHM
Paddy Threshor	06.07.2021	156000.00	Working	CRA
Rice Wheat Seeder	06.07.2021	20000.00	Working	CRA
National Multi Crop Planter	09.04.2021	88019.00	Working	CRA
Trolley	08.06.2021	151864.41	Working	CRA
Laser Land Leveller	30.04.2021	272321.04	Working	CRA
Raised Bed Planter	30.04.2021	88392.86	Working	CRA
Self propelled vertical conveyer reaper	23.06.2021	124803.00	Working	CRA
Self propelled Weeder	23.06.2021	50410.00	Working	CRA
Happy Seeder	30.04.2021	129464.00	Working	CRA
Tractor (65 HP)	30.04.2021	941953.60	Working	CRA
Combine (Class)	27.10.2021	2759532.00	Working	CRA
Straw Baler	13.11.2021	1238980.00	Working	CRA
Tractor Mounted Sprayer	21.09.2021	193520.00	Working	CRA
Zero Till Drill National)	13.12.2021	141000.00	Working	CRA
High Speed Hay Rack (Shaktiman)	14.12.2021	379724.00	Working	CRA

1.8. Details SAC meeting* conducted in the year, 2023

Sl.No.	Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
1.	12.08.2023	21	08	वर्ष 2022-23 में जाँच किये गये मिट्टी के नमूने के आधार पर पोषक तत्व प्रबंधन रणनीति 15-20 दिनों के अंदर बनाना सुनिश्चित किया जाय।		
2.				खेसारी के प्रभेद रतन एवं प्रतीक के नये बीज का क्रय करना सुनिश्चित किया जाय एवं इसे किसानों के बीच अग्रिम पक्ति प्रत्यक्षण के माध्यम से प्रत्यक्षण किया जाय।		
3.				केन्द्र पर आम एवं अमरूद के पौधों की बिक्री हेतु जिला कृषि पदाधिकारी, पटना एवं क्षेत्रीय निदेशक, कृषि अनुसंधान संस्थान, पटना से संपर्क स्थापित किया जाय एवं इसकी सूचना नियंत्री पदाधिकारी को दिया जाय।		
4.				सबौर समद्वि और सबौर निर्जल की उत्पादकता कम है तो इसका परीक्षण ऑन फार्म ट्रायल के माध्यम से पुनः सुनिश्चित किया जाय तथा फसल कटाई के समय इसकी सूचना डा॰ अमरेन्द्र कुमार, प्रधान वैज्ञानिक के देख-रेख में कराई जाय, तथा यह ध्यान रखा जाय कि सबौर निर्जल प्रभेद में सिंचाई नहीं किया जाय।		
5.				कृषि विज्ञान केन्द्र, पटना एवं आत्मा पटना संयुक्त भ्रमण के लिए प्रशिक्षण कैलेण्डर मार्च 2024 तक बनाया जाय तथा इसकी सूचना नियंत्री पदाधिकारी, निदेशक प्रसार शिक्षा को दी जाय।		
6.				श्री राजीव कुमार, विषय वस्तु विषेषज्ञ, मृदा विज्ञान को आत्मा योजना अंतर्गत जिला वैज्ञानिक के रूप में सदन ने अनुमोदित किया।		
7.				ऑन फार्म ट्रायल कार्यशाला में प्याज पर ऑन फार्म ट्रायल का प्रस्तुतीकरण करना है।		
8.				कृषि विज्ञान केन्द्र, पटना में मासिक बैठक की प्रति भारतीय कृषि अनुसंधान परिषद - कृषि प्रौद्योगिकी अनुप्रयोग संस्थान, पटना को भी उपलब्ध कराया जाय।		
9.				तीन माह का प्रशिक्षण कैलेण्डर		

				बनाकर सभी कृषि विज्ञान केन्द्रों में आदान-प्रदान कर संबंधित विषय पर प्रशिक्षण हेतु वैज्ञानिकों को संसाधन व्यक्ति के रूप में सेवा ली जाय।		
10.				कृषि विज्ञान केन्द्र में उपलब्ध बीज की जानकारी किसानों एवं जिला कृषि पदधिकारी, पटना को सूचना दी जाय।		
11.				केन्द्र में प्रत्येक मौसम में विभिन्न फसलों एवं मोटे अनाज का क्राप कैफेटेरिया लगाना सुनिश्चित किया जाय।		
12.				केन्द्र में लगे क्राप कैफेटेरिया का आकलन किसानों द्वारा केन्द्र पर भ्रमण कराकर सुनिश्चित किया जाय तथा किसानों से प्राप्त सुझाव का डाटा वेस तैयार करना सुनिश्चित किया जाय।		
13.				बिहार कौशल विकास मिशन/आर.पी.एल./कौशल विकास प्रशिक्षण समाप्ति के बाद प्रशिक्षण लेने वाले किसानों द्वारा अपनी आय सृजन हेतु क्या-क्या कदम उठाये गए हैं। (उद्यमशीलता) इसकी प्रतिवेदन बनायी जाय।		
14.				किसानों का डाटा वेस बनाना है एवं किसान सारथी ऐप में अपलोड करना सुनिश्चित किया जाय दो वर्ष पूर्व में जो डाटा अपलोड किया गया था उसे बढ़ाया जाय। किसानों का डाटा बेस में मुख्य रूप से नाम, मोबाईल संख्या, आधार संख्या, ईमेल, पता एवं अन्य।		
15.				किसान सारथी ऐप में नोडल पदधिकारी का नाम बदलने का प्रस्ताव भारतीय कृषि अनुसंधान परिषद - कृषि प्रौद्योगिकी अनुप्रयोग संस्थान, पटना को भेजना सुनिश्चित किया जाय।		
16.				एस.सी.एस.पी. योजना से लाभार्थी का आय एवं उनके उत्थान का वर्णन करना है, तथा इसका डाटा बेस तैयार करना सुनिश्चित किया जाय।		
17.				प्राकृतिक खेती के प्रत्यक्ष प्लॉट में प्रभेद का नाम उल्लेख करना सुनिश्चित किया जाय।		
18.				एस.सी.एस.पी. योजना मद से केन्द्र में प्रसंस्करण संयंत्र क्रय करना सुनिश्चित किया जाय तथा		

				एस•सी•एस•पी• समूह को प्रशिक्षित करना सुनिश्चित किया जाय।		
19.				श्रीमती अनिता कुमारी, प्रगतिशील किसान द्वारा आलू उत्पादन को जीरो टिलेज के माध्यम से करने में आलू उपज में काफी वृद्धि हुई तथा मानव संसाधन की कमी के कारण आलू उत्पादन में लागत भी कम हुई जिससे आय में बढ़ोत्तरी हुई। उक्त के संदर्भ में सदन ने केन्द्र को निदेश दिया कि संसाधन संरक्षण तकनीकें अपनाये जाय ताकि आलू उत्पादन में वृद्धि हो सके।		
20.				श्रीमती पुष्पा कुमारी, प्रगतिशील किसान को उत्तम प्रयास के लिए सदन के माननीय सदस्यों द्वारा सरहना की गई तथा दिनांक 19.08.2023 को स्थापना दिवस में भारतीय कृषि अनुसंधान परिषद – कृषि प्रौद्योगिकी अनुप्रयोग संस्थान, पटना में लाने हेतु कृषि विज्ञान केन्द्र, बाढ़, पटना को आदेशित किया गया ताकि स्थापना दिवस के अवसर पर श्रीमती पुष्पा कुमारी, प्रगतिशील किसान अपनी अनुभव को अन्य किसानों के साथ साझा कर सके।		
21.				किसान उत्पादक संगठन की कितनी संख्या बढ़ी है उसका उल्लेख वैज्ञानिक सलाहकार समिति की प्रगति प्रतिवेदन में करना सुनिश्चित किया जाय।		
22.				श्री सुधांशु कुमार, प्रगतिशील किसान, कंचनपुर, बिहटा, पटना ने सदन को अवगत कराया कि जलवायु के अनुकूल कृषि कार्यक्रम अंतर्गत सभी कृषि यंत्र का बैंक चयनित जलवायु के अनुकूल कृषि कार्यक्रम गाँव में बनाया जाय ताकि मशीन की समस्या से किसानों की निजात मिल सके तथा पराली जालाने से बचाने के लिए अधिक से अधिक बेल बनाया जाय।		
23.				श्री सुधांशु कुमार, प्रगतिशील किसान, कंचनपुर, बिहटा, पटना ने सदन को अवगत कराया कि प्रशिक्षण कैलेण्डर तीन-तीन माह पर बनाया जाय और इसकी सूचना ऑनलाईन/ऑफलाईन, लाईन डिपार्टमेंट को भी सूचना दी जाय ताकि उक्त तिथि में किसान		

				अपनी समयानुसार प्रशिक्षण में भाग ले सकें।		
24.				श्री सुधांशु कुमार, प्रगतिशील किसान, कंचनपुर, बिहटा, पटना ने सदन को अवगत कराया कि जलवायु के अनुकूल कृषि कार्यक्रम अंतर्गत बीज वितरण के बाद किसानों के साथ बैठक कर इसकी प्रतिक्रिया ली जाय।		
25.				श्री चंदन कुमार, प्रगतिशील किसान, मोकामा ने अवगत कराया कि नेपियर चारा से किसानों को काफी लाभ पहुँचा है तथा इसकी संपूर्ण विधिवत जानकारी हेतु 10 किसानों के समूह को झाँसी भेजने का प्रस्ताव दिया। उक्त के संदर्भ में प्रधान वैज्ञानिक, भारतीय कृषि अनुसंधान परिषद – कृषि प्रौद्योगिकी अनुप्रयोग संस्थान, पटना ने कृषि विज्ञान केन्द्र को निदेश दिया कि इसकी प्रस्ताव अटारी पटना को भेजना सुनिश्चित किया जाय।		
26.				पशुपालन से संबंधित प्रशिक्षण का कैलेंडर भी बनाना है तथा पशुपालन प्रशिक्षण में संसाधन व्यक्ति के रूप में अनुमंडल पशुपालन पदाधिकारी से अनुरोध किया जाय ताकि पशुपालकों को नियमित प्रशिक्षण दिया जा सके।		
27.				आलू बीज उत्पादन हेतु नेट हाउस की स्थापना हेतु डी•पी•आर• बनवाकर राषि की माँग विश्वविद्यालय से सी•आर•ए• योजना से किया जाय।		
28.				ऑन फार्म ट्रायल का एक प्रतिकृति कृषि विज्ञान केन्द्र, में भी लगाना है।		
29.				जिला का आकस्मिता योजना मॉडल प्लान ए•, प्लान बी• एवं प्लान सी• बनाना है।		
30.				अनुमंडल कृषि पदाधिकारी, बाढ़ ने जल संरक्षण एवं बीज तथा पौधों की सूचना की जानकारी उपलब्ध कराने हेतु अनुरोध किया ताकि जल संरक्षण एवं बीज तथा पौधों के संबंध में किसानों को नियमित जानकारी कृषि विभाग द्वारा दी जा सके।		

* Salient recommendation of SAC in bullet form

Attach a copy of SAC proceedings along with list of participants

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

2.1 Major farming systems/Enterprises (based on the analysis made by the KVK)

S. No.	Farming system/enterprise
1	Rice -Wheat
2	Rice- Wheat-Ragi
3	Rice- Wheat –Moong
4	Maize-Oilseed-Vegetable
5	Rice-Maize-Moong
6	Rice-Potato-Wheat
7	Rice-Potato-Onion
8	Rice-Potato-Wheat –Maize
9	Rice-Wheat-Mentha
10	Vegetable-Oilseed-Moong
11	Vegetable-Lentil-Maize
12	Vegetable –Gram-Moong
13	Gram- and Lentil in Tal
14	Natural Farming
15	Mushroom Production
16	Azolla Production
17	Vermicompost Production
18	Integrated Farming System
19	Value Added Products of agril. products
20	Value Added Products of Millets

2.2 One district one product (NITI Ayog)

Onion: Mainly cultivated in Jalla area of Patna. The dominant variety grown is Patna Red and in recent times Sukhsagar variety is gaining popularity among the onion growing farmer because of early harvesting which gives better price to the farmers.

2.3 Description of Agro-climatic Zone & major agro ecological situations (based on soil and Topography)

S. No	Agro-climatic Zone	Characteristics
1	ACZ-IIIB	Old alluvial sandy loam to clay, large tal and diara areas. Most of rainfall is received in month of July to September bringing with it the problem of recurrent flood. The highest gross irrigated area as percentage of gross cropped area lies in zone III with 76.35% under assured means of irrigation. Despite high gross irrigated area at 76.35% in Zone III, it is low in cropping intensity at only 135.11 % water stagnation for long period during kharif season hampers crop cultivation during Kharif.

Source: Strategic research and extension plan of Patna district- Prepared by ATMA, Patna & National institute of Agricultural Extension Management Rajendra Nagar Hyderabad.

2.4 Agro Ecological Situation

S. No	Agro ecological situation	Area (ha)	Characteristics
1	Tal	38885.00	Water logging more than 3 months & heavy textured soil
2	Diara	45599.80	Undulated light texture soil
3	Jalla	3508.00	Peculiar situation, water stagnation more than 2 months medium heavy soil, clay loam to clay in texture
4	Irrigated plain	67637.24	Well irrigated plain land & medium to heavy soil irrigated some canal with most fertile land tract of the district

5	Rainfed plain	83403.85	Un irrigated plain land & medium to heavy soil
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2.5 Soil Types

S. No	Soil type	Characteristics	Area in ha
1	Clay to clay loam	Heavy soils Rap cracking in summer good water holding capacity and fertility status.	38855
2	Sandy loam, light texture soil	Undulated, high sand percentage low water holding capacity medium fertility status	45599
3	Medium to heavy soil	Peculiar situation, water stagnation more than 2 months medium heavy soil, good water holding capacity medium fertility status	51262

2.6 Area, Production and Productivity of major crops cultivated in the district

S. No	Crop	Area (ha)	Production (q)	Productivity (q/ha)
1.	Wheat	95170.0	266190.5	2797.00
2.	Maize	8035.0	35434.0	4410.0
3	Potato	10185	238329.0	23400.0
4	Gram	28000.0	38428.0	1480.0
5	Lentil	46135.0	59514.0	1290.0
6	Pea	2636.0	3110.0	1180.0
7	Lethyrus	10000.0	10200.0	1020.0
8	Lentil	3820.0	2444.0	640.0
9	Barley	7170.00	5664.0	1933.0
10	Mustard/ Rai	7170.0	5664.0	790.0
11	Sunflower	70.0	78.0	1110.0
12	Linseed	3820.0	2444.0	640.0
13	Paddy	135000.0	4064.9	3171.0
14	Maize	10060	29599.5	2856.0
15	Arhar	2977.0	4555.0	1530.0
16	Moong	500.00	366.0	720.0
17	Urd	479.0	326.0	680.0
18	Til	100.00	24.0	450.0
19	Sunflower	24.0	52.0	1120.0
20	Ground Nut	20.0	23.0	1140.0
21	Castor	292.0	298.0	650.0

2.7 Weather data (2023)

Month	Rainfall (mm)	Temperature ° C		Relative Humidity (%)	
		Maximum	Minimum	Maximum	Minimum
January, 2023		19.66	8.48	62.41	31.38
February, 2023		28.04	13.43	62.32	31.96
March, 2023	1.00	32.99	16.95	56.20	26.00
April, 2023	1.50	38.44	21.71	35.97	13.77
May, 2023	7.08	38.27	22.83	50.82	18.75
June, 2023	7.62	39.63	25.08	52.14	22.75
July, 2023	14.86	34.57	25.42	73.35	46.00

August, 2023	16.30	32.91	26.35	85.68	54.90
September, 2023	7.96	34.36	26.75	83.93	52.86
October, 2023	13.75	32.69	23.10	81.21	49.66
November, 2023		30.36	17.16	67.93	33.00
December, 2023	3.50	25.90	13.42	81.29	34.84

2.8 Rain water harvesting

No. of Training programmes	No. of Demonstrations	No. of plant materials produced	Visit by farmers (No.)	Visit by officials (No.)
1		4000	16	8

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	Pandararak	Pandararak	Chakjalal	Paddy, Maize, Lentil, Gram, Lathyrus, coriander, Nigella and dairy	Use of local variety, use of higher seed rate, imbalance fertilizer use and maximum use of insecticide & pesticide, no use of biofertilizer, Lack of irrigation facilities	Seed Production of Rice and Wheat
2	Belchi	Belchi	Murtuzapur	Rice, wheat, Maize, Pulse, vegetable, Oil seed and dairy, Mushroom production	Use of local variety, Imbalance use of fertilizer, use of higher seed rate and maximum use of pesticide	IPM, INM, Improved seed, Use of biofertilizer and rearing improved crossbreds
3	Bihta	Bihta	Bishnupura	Rice, Wheat, Pulses, Oilseed.	Crop Residue Management.	Use of Happy Seeder, ZTD
4	Bihta	Bihta	Bishunpura Kanchanpur Painal Mahamdpur Bajidpur	Cereal and pulses	Traditional farming	Use of machineries under CRA Program
5	Barh	Barh	Agwanpur	Vegetable crops	Malnutrition	Vegetable & fruits production and millets production
6	Athmalgola	Athmalgola	Kamrapar	Milletts, pulses and Vegetable crops	Use of local variety, Malnutrition	Crop diversification

2. B. 1 Priority thrust areas

S. No	Thrust area
1.	Use of bio fertilizer and organic manure.
2.	Integrated Nutrient Management
3.	Integrated Pest Management.
4.	Medicinal & aromatic plants for high income and employment generation.
5.	Women Empowerment through Bee keeping, Mushroom production, Vermicompost production and value added products of agril. products.
6.	Seed production of cereals oilseed, Pulses Vegetables and Spices.

7.	Ensuring availability of mushroom spawn round the year
8.	Farm Mechanization
9	Natural Farming
10	Crop Diversification
11	Nutritional Security
12	Crop Residue Management

3. TECHNICAL ACHIEVEMENTS

3.1. Details of target and achievement of mandatory activities by KVK during 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	T	M	F	T	M	F	T				M	F	T	M	F	T	M	F	T	M	F	T			
04	04	36	6	0	0	0	25	05	31	05	36	12	12	600	44	167	0	0	337	66	381	233	614						

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	T	M	F	T	M	F	T				M	F	T	M	F	T	M	F	T	M	F	T			
67	107	1525	459	358	3	3	2510	473	2972	834	3806	45	94	300	295	85	0	0	2472	297	2767	382	3149						

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	Target	Achievement									Target	Achievement	Target	Achievement														
			SC			ST			Others						Total			SC			ST			Others			Total		
			M	F	T	M	F	T	M	F	T				M	F	T	M	F	T	M	F	T	M	F	T			
270	261		28	3	0	0	218	12	246	15	261				0	0													

Seed production (q)						Planting material (in Lakh)									
Target (Crop and variety)		Achievement (q)				Sold (q)		Target (crop and variety)		Achievement				Sold (number)	
Wheat	DBW -187	159.6				159.6		Palak	0.025				0.025		
Chickpea	S Chana-1	13.75				8.2		Brinjal	0.0625				0.0625		
Mustard	RH-725	23.25				15.92		Tomato	0.0625				0.0625		
lentil	IPL-316	46.4				46.4		Chilli	0.051				0.051		
Lathyrus	Ratan	1.4				1.4		Cauliflower	0.0125				0.0125		
Potato	UC Map	7.5				7.5		Carrot	0.025				0.025		
Potato	Bari Aallu	5.7				5.7		Raddish	0.01				0.01		
Potato	K Pokhraj	1				1		Amaranthus	0.34				0.34		
Potato	K Pokhraj	13.5				13.5		Coriander	0.018				0.018		
Moong	Shikha	17.5				-		Fenugreek	0.025				0.025		
paddy	S. sampann	182.71				-		Onion	0.04				0.04		
paddy	R. sweta	69.89				-									

Livestock strains (in no's) and fish fingerlings produced (in lakh)*						Soil, water, plant, manures samples tested (in lakh)					
Target			Achievement			Target			Achievement		
						450			455		

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. A 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	02	02	06
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			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization	02	02	14
18	Others			
	Total			
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			
2	Breeding management/Evaluation of Breeds			

3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	0	0	0
D	Technologies assessed under miscellaneous enterprises by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Drudgery reduction			
2	Entrepreneurship Development			
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			
5	Others			
	Total	0	0	0

3.2.2 OFT (All discipline)

OFT: 1 (Agricultural Engineering)

1	Title of On Farm Trial	Assessment of Happy Seeder for wheat sowing under Crop Residue Management
2	Thematic Area	Residue burning in the field after harvest of rice
3	Details of Technologies selected for Assessment	Farmers Practice - Broadcasting in tilled condition Technological option I - Sowing of wheat by happy seeder incorporating the crop residue

		Technological option II - Removal of Crop Residue and sowing by ZTD
4	Source of Technology	PAU Ludhiana & BISA, Pusa
5	Performance Indicator	Plant population, no of irrigation, economic parameter
6	Replication	07
7	Production system and thematic area	Rice – wheat cropping system
8	Constraints identified	Time window for Rabi
9	Process of Farmer Participation	Ongoing

OFT: 2 (Agricultural Engineering)

1	Title of On Farm Trial	Assessment of Multicrop Planter for sowing of pulses in different field condition
2	Problem diagnosed	Pulses are generally sown by broadcasting of seeds resulting low yield
3	Details of Technologies selected for Assessment	Farmers Practice - Broadcasting in tilled condition Technological option I - Sowing by Multicrop Planter (No Tilled Condition) Technological option II - Sowing with Multicrop Planter (Tilled condition)
4	Source of Technology	PAU Ludhiana & BISA, Pusa
5	Performance Indicator	Plant Population(No of plants per m ²) , Economic Parameter
6	Replication	07
7	Production system and thematic area	Rice- Pulse
8	Constraints identified	Unavailability of machines
9	Process of Farmer Participation	Ongoing

OFT: 03 (Soil Science)

Title of OFT

- Improvement of Nitrogen use efficiency in Rice

Problem diagnose :

Excessive use of chemical fertilizer and spiralling price of urea leads to increase in cost of cultivation

1. Details of technology selected for assessment/refinement

Farmers practice : RDF (N:P:K::100:40:20 Kg/ha)

Technological option I : 50% RDN and 100%PK + Nano urea @4 ml/lit water(single spray at pre flowering stage)

Technological option II : 50% RDN and 100%PK +2 spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water

2. Source of technology : OFT workshop at BAU, Sabour, Bhagalpur

3. Production system and thematic area: Rice- Wheat cropping system & Integrated Nutrient Management

4. Performance of the technology with performance indicators

Technological options	No of tiller/m ²	No of effective tiller/m ²	Panicle length (cm)	No of grain/panicle	No of filled grain/panicle	grain yield (q/ha)	straw yield (q/ha)
Farmers practice (RDF i.e N:P:K::100:40:20 Kg/ha)	21.23	18.95	15.57	152.67	144.67	48.43	58.12
50% RDN and 100%PK + Nano urea @4 ml/lit water(single spray at pre flowering stage)	17.8	15.05	13.33	140.17	132.17	42.25	50.7
50% RDN and 100%PK +2	18.7	16.03	14.8	145.83	137.83	44.45	53.34

spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water							
SEM ±	0.83	0.62	0.07	6.89	6.89	1.65	2.37
CD(0.05)	1.79	1.32	0.15	14.67	14.67	3.51	5.06
CV(%)	13.02	11.19	1.44	14.13	14.95	10.98	13.18

2. Economics of paddy cultivation under different nitrogen management practices

Technological options	Gross cost (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Farmers practice (RDF i.e N:P:K::100:40:20 Kg/ha)	43600.00	107124.50	63524.50	2.46
50% RDN and 100%PK + Nano urea @4 ml/lit water(single spray at pre flowering stage)	42400.00	93837.50	51437.50	2.21
50% RDN and 100%PK +2 spray of Nano urea at (25-30 days) and (60-65 days) @4 ml/lit water	42700.00	98567.50	55867.50	2.31

5. **Final recommendation for micro level situation:** Application nano urea either one or two spray does not the yield level to application of recommended dose of fertilizer and the yield reduction is about 14.62 and 8.95 respectively in single and double application of nano urea. It is therefore recommended that before large scale recommendation it must be tested on the experimental stations.

6. **Process of farmers participations:** Farmers actively participated in the programme.



OFT: 04 (Soil Science)

1	Title	Integration of Fertilizer in Different form on Yield of Lentil
2	Problem diagnosed	Injudicious use of chemical fertilizer
3	Technological option	Farmers Practice : Seed treatment + RDF Technological option I : 50% of RDF + WS 18:18:18@5 gm/lit water (Single spray at pre flowering stage) Technological option II : Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm/lit water

		(single spray at pre flowering stage)
4	Source of Technology	BAU Sabour, Bhagalpur
5	Replication	07
6	Production system and thematic area:	Pulse fallow
7	Performance of the technology with performance indicators	Soil date before and after, grain yield, no. of plant/m ² , 1000 grain weight, no. of pod/plant, stover yield & economics
8	Constraints identified	
9	Process of Farmer Participation	Ongoing

4.0 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during 2023

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	08	17.75	110		
	Oil Seed					
	Pulses					
	Horticulture Crops					
	Other crops					
	Hybrid crop					
	Livestock					
	Fisheries					
	Other enterprises (Mushroom)	01	6 bag	10	10.03	
	Women empowerment					
	Farm Machinery					
	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	
Barley (DWRB-137)	Crop Production	Line sowing	07	02	Crop standing											
Pearl millet (MPMH-21)	Crop Production	Line sowing	27	5.0	12.14			17048.2	43425.9	26377.8	2.55					
Sorghum (CSV-41)	Crop Production	Line sowing	24	1.75	17.83			17160.87	39236.5	22075.65	2.29					
Foxtail (SIA-3156)	Crop Production	Line sowing	28	1.4	9.38			17166.7	26268.2	9101.5	1.53					

Kodo (JK-41)	Crop Production	Line sowing	08	1.3	9.80			17142.86	24500.0	7357.1	1.43				
Finger millet (A-404)	Crop Production	Line sowing	05	2.0	17.28			21800.0	44915.0	23115.0	2.06				
Barnyard millet (DHBM-93-2)	Crop Production	Line sowing	04	0.8	11.40			16600.0	29640.0	13040.0	1.78				
Kutki (OLM-203)	Crop Production	Line sowing	07	3.5	9.65			17316.7	27020.0	9703.3	1.56				

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

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

* 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

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																		
Mussels																		
Ornamental fishes																		
Others (pl.specify)																		

* 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 (Kg per unit)		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit				
				Demo	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Oyster mushroom																	
Button mushroom	Crop Residue Management	10	60	10.03					600.0	1812.0	1212.0	3.02					
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

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women	Establishment of Poshak vatika	31			
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

* 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

11. Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	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									
Happy Seeder	Wheat	Line sowing & residue management	20	10	45.62	40.95	11.5				04				12500

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

** BCR= GROSS RETURN/GROSS COST

12. Extension and Training activities under FLD

SL.No.	Activity	No. of activities organized	Number of participants	Remarks
1.	Field days	04	205	Demonstration of improved variety
2.	Farmers Training	03	62	Scientific cultivation of Kharif and Rabi crop, Control of cuscutta
3.	Media coverage	02	Mass	-
4.	Training for extension functionaries	03	64	Fertilizer and weed management

13. Technical Feedback on the demonstrated technologies

S. No	Crop	Feed Back
1	Different millets	Farmer ready to take millet crop but its processing is a major concern for its upscaling

**C. 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	Arhar	Local	16.31	7.65	2.64	3.28	LRG 41, HYV, Biofertilizer, IPM	50	20	21.20	15.40	18.71	40.90	14.1	14.9
2	Lentil	Titki	14.78	5.33	7.83	-2.15	IPL 316, HYV, Biofertilizer, IPM	50	20	19.50	13.20	17.16	31.10	45.6	-14.3
3	Chickpea	Chotki Chana	16.73	6.74	9.30	5.17	PG 186, HYV, Biofertilizer, IPM	51	20	22.4	15.9	19.83	34.0	46.9	20.7
4	Fieldpea	Satha	15.12	7.06	7.16	4.33	IPFD10-12, HYV, Biofertilizer, IPM	50	20	19.5	15.6	17.67	39.96	40.53	19.67
5	Moong	Local	9.1	2.41	4.26	7.00	IPM 2-3, HYV, Biofertilizer, IPM	50	20	12.8	8.4	11.0	22.02	38.89	39.09
6	Mustard	Varuna	14.52	8.41	5.21	13.54	RH 725, HYV, Biofertilizer, IPM	165	50	21.4	12.5	16.46	51.1	31.7	45.1

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	LRG 41 HYV, Biofertilizer, IPM	30060.00	89683.00	59623.00	1.98	28368.00	123512.40	95144.40	3.35
2	IPL 316 HYV, Biofertilizer, IPM	29108.00	86279.00	57171.00	1.96	30126.20	99358.00	69231.80	2.30
3	PG 186 HYV, Biofertilizer, IPM	35198.04	93289.07	58091.03	1.65	32925.49	109810.83	76885.34	2.34
4	IPFD10-12 HYV, Biofertilizer, IPM	28418.00	64480.00	36062.00	1.27	28488.00	74688.00	46200.00	1.62
5	IPM 2-3 HYV, Biofertilizer, IPM	17092.0	58922.5	41830.5	2.45	16942.0	71268.6	54326.6	3.2
6	RH 725 HYV, sulphur, IPM	30047.27	80846.67	50799.39	1.69	30516.97	91553.33	61036.36	2.00

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	Arhar LRG 41	374.28	600	66	10	40	For purchasing input	78
2	Lentil IPL 316	343.12	560	55	50	40	-do-	145
3	Chickpea PG 186	404.6	720	53.35	40	50	-do-	138
4	Fieldpea IPFD 10-12	353.4	640	40	40	50	-do-	125
5	Moong IPM 2-3	219.28	420	65	10	60	-do-	136
6	Mustard RH 725	1086.64	560	55	2	20	-do-	120

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					Suggestions, for change/improvement, if any
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	
1	HYV, Biofertilizer, IPM	Suitable	Yes	Yes	No	Yes	
2	HYV, Biofertilizer, IPM	Suitable	Yes	Yes	No	Yes	
3	HYV, Biofertilizer, IPM	Suitable	Yes	Yes	No	Yes	
4	HYV, Biofertilizer, IPM	Suitable	Yes	Yes	No	Yes	
5	HYV, Biofertilizer, IPM	Suitable	Yes	Yes	No	Yes	
6	HYV, sulphur, IPM	Suitable	Yes	Yes	No	Yes	

5. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a-vis Local Check	Farmers Feedback
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated
High yield	Good yield obtained at farmers field	Better yield obtained than local check	Ready to accept the technology demonstrated specially sulphur application

6. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Training	27.6.2022	20
2	Training	27.9.2022	34
3	Field Visit	29.9.2022	9
4	Training	1.10.2022	20
5	Training	7.10.2022	23
6	Training	10.10.2022	24
7	Training	11.10.2022	41

8	Training	13.10.2022	24
9	Field Visit	17.10.2022	11
10	Training	5.11.2022	15
11	Training	11.11.2022	15
12	Training	14.11.2022	18
13	Training	15.11.2022	19
14	Training	16.11.2022	15
15	Field Visit	28.11.2022	10
16	Training	3.4.2023	21
17	Training	4.4.2023	16
18	Training	6.4.2023	20
19	Field Visit	20.4.2023	5

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



8. Farmers' training photographs



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



10. Details of budget utilization

10.1 Lentil

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Lentil	i) Critical input		1,96,800.0	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field Day)		19,200.00	
	iv) Publication of literature			
	Total			2,16,000.00

10.2 Rai

Crop (Provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rai	i) Critical input		3,78,000.0	
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field Day)		42,00.0	
	iv) Publication of literature			
	Total			4,20,000.00

11. Performance of the demonstration under CFLD on Oilseed & Pulse Crops during 2023-24

S.No.	Crop	Variety	Sesion	Village & Block	Area (ha)	No. of Demonstration	Remarks
2	Mustard	RH-725	Rabi	Danakdohb, Kamrapar, Danapur, Dhanawan, etc	70	176	Flowering stage
3	Lentil	IPL-316	Rabi	Janardhanpur, Tilhar, Mokama	24	60	Flowering stage

Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
VIII. Fisheries													
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	1	0	37	37	0	20	20	0	0	0	0	57	57
Group dynamics	2	6	17	23	14	36	50	0	0	0	20	53	73

Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	05	157	46	203	7	0	7	0	0	0	164	46	210

6. 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	
Home Science	PF	Household food security by kitchen gardening and nutrition gardening	2	ON	0	3	3	0	17	17	20
Home Science	PF	Design and development of low/minimum cost diet	1	OFF	8	51	59	0	0	0	59
Home Science	PF	Household food security by kitchen gardening and nutrition gardening	2	ON	0	5	5	0	16	16	21
Home Science	PF	Storage loss minimization techniques	1	ON	4	0	4	36	0	36	40
Home Science	PF	Capacity building on millets	1	ON	0	0	0	6	17	23	23
Home Science	PF	Chicks rasining for better income	1	ON	14	36	50	0	0	0	50
Home Science	PF	Role of leaders in vegetable cultivation	1	ON	0	20	20	0	37	37	57
Home Science	PF	Awareness programme on millet	1	OFF	2	4	6	16	8	24	30
Home Science	PF	Awareness programme on malnutrition	1	OFF	3	5	8	9	6	15	23
Home Science	PF	Awareness programme on Mission life	1	OFF	0	16	16	0	8	8	24
Home Science	PF	Awareness programme on Mission life	1	OFF	3	0	3	26	0	26	29
Home Science	PF	Awareness programme on Mission life	1	OFF	3	3	6	12	4	16	22
Agril. Engg.	PF	Care and maintenance of farm machinery	1	OFF	5	0	5	49	0	49	54
Agril.	PF	Use of Drone in	1	OFF	0	0	0	12	0	12	12

Engg.		agriculture									
Agril. Engg.	PF	Care and maintenance of farm machinery from machinery for storage	1	OFF	4	0	4	36	0	36	40
Agril. Engg.	PF	Spray of liquid fertilizer by Drone	1	OFF	0	0	0	26	0	26	26
Agril. Engg.	PF	Summer Sowing of moong	1	OFF	2	0	2	18	0	18	20
Agril. Engg.	PF	Demonstration and training on Drone	1	OFF	0	0	0	25	1	26	26
Agril. Engg.	PF	Advantage of laser land levelling	1	OFF	6	0	6	44	0	44	50
Agril. Engg.	PF	Water Conservation	1	OFF	5	0	5	36	0	36	41
Agril. Engg.	PF	Direct sowing of rice	1	OFF	12	0	12	65	0	65	77
Agril. Engg.	PF	Direct sowing of rice	1	ON	6	0	6	42	0	42	48
Agril. Engg.	PF	मोटैअनाज की उन्नत खेती।	1	OFF	13	1	14	8	0	8	22
Agril. Engg.	PF	Direct sowing of rice	1	OFF	0	0	0	41	0	41	41
Agril. Engg.	PF	Role of nutri-cereals for Malnutrition	1	OFF	4	6	10	10	33	43	53
Agril. Engg.	PF	Laser Land Levelling	1	OFF	10	5	15	65	18	83	98
Agril. Engg.	PF	Micro Irrigation	1	ON	9	0	9	32	0	32	41
Agril. Engg.	PF	DSR and micro irrigation	1	OFF	4	0	4	28	0	28	32
Agril. Engg.	PF	DSR establishment of custom haring center	1	OFF	13	0	13	54	0	54	67
Agril. Engg.	PF	DSR establishment of custom haring center	1	OFF	4	0	4	28	1	29	33
Agril. Engg.	PF	बदलते मौसम में सोयाबीन की खेती	1	OFF	2	0	2	17	0	17	19
Agril. Engg.	PF	धान की सीधी बुआई में खर पतवार नियंत्रण	2	ON	0	0	0	24	1	25	25
Agril. Engg.	PF	किसानों के हितार्थ विभिन्न कृषि यंत्र एवं उनका रख रखाव	1	OFF	0	0	0	18	0	18	18
Agril. Engg.	PF	धान की खेती में जल प्रबंधन	1	ON	0	0	0	22	0	22	22
Agril. Engg.	PF	DSR for water conservation	1	OFF	10	2	12	72	5	77	89
Agril. Engg.	PF	Alternate wetting and drying technology.	1	OFF	0	0	0	16	0	16	16
Agril.	PF	Small tools used	1	OFF	5	0	5	12	6	18	23

Engg.		in mushroom production.									
Agril. Engg.	PF	Small tools used in vegetable production.	1	OFF	10	21	31	0	0	0	31
Agril. Engg.	PF	Planning for Rabi crop under CRA programme	1	OFF	0	0	0	24	0	24	24
Agril. Engg.	PF	Water management in paddy	1	OFF	2	0	2	12	0	12	14
Agril. Engg.	PF	Different machine for Rabi crop sowing	1	OFF	4	0	4	26	0	26	30
Agril. Engg.	PF	Water management in paddy	1	OFF	8	0	8	76	0	76	84
Agril. Engg.	PF	Use of hand operated agril. Tools	1	OFF	8	51	59	0	0	0	59
Agril. Engg.	PF	Use of Zerotill Drill for wheat sowing	1	OFF	6	4	10	28	9	37	47
Agril. Engg.	PF	Use of LCC and green seekar	1	OFF	0	0	0	21	0	21	21
Agril. Engg.	PF	Use of ZTD for wheat sowing	1	OFF	6	0	6	43	1	44	50
Agril. Engg.	PF	Use of ZTD for wheat sowing	1	OFF	18	0	18	55	0	55	73
Agril. Engg.	PF	Line sowing of mustared by seed drill	1	OFF	5	0	5	44	0	44	49
Agril. Engg.	PF	फसल अवशेष प्रबंधन।	1	OFF	4	0	4	16	0	16	20
Agril. Engg.	PF	जलवायु अनुकूल कृषि से विभिन्न यंत्रों का महत्व।	1	OFF	3	0	3	19	0	19	22
Agril. Engg.	PF	न्य जुलाई तकनीक से गेहूँ की बुवाई।	1	OFF	3	0	3	18	0	18	21
Agril. Engg.	PF	न्य जुलाई तकनीक से गेहूँ की बुवाई।	1	OFF	2	0	2	22	0	22	24
Agril. Engg.	RY	कृषि यंत्रों का रख रखाव एवं मरम्मती	3	ON	0	0	0	18	4	22	22
Agril. Engg.	RY	धान की सीधी बुआई में खर पतवार नियंत्रण	3	ON	7	0	7	22	0	22	29
Agril. Engg.	RY	पशुपालन एक लाभकारी व्यवसाय	6	ON	3	0	3	34	3	37	40
Agril. Engg.	EF	Use of maintenance of plant protection equipments	1	OFF	0	0	0	16	10	26	26
Agril. Engg.	EF	Use of farm machinery in Rabi Crop sowing.	1	OFF	0	0	0	55	11	66	66
Extension Education	PF	Group dynamics	1	OFF	2	4	6	16	8	24	30
Extension	PF	Group dynamics	1	OFF	3	5	8	9	6	15	23

Education											
Extension Education	PF	Leadership development	1	OFF	0	16	16	0	8	8	24
Extension Education	PF	Mobilization of social capital	1	OFF	3	0	3	26	0	26	29
Extension Education	PF	Leadership development	1	OFF	3	3	6	12	4	16	22
Extension Education	PF	Formation and Management of SHGs	1	OFF	2	4	6	16	8	24	30
Extension Education	PF	Formation and Management of SHGs	1	OFF	3	5	8	9	6	15	23
Extension Education	PF	Group dynamics	1	OFF	0	16	16	0	8	8	24
Extension Education	RY	Beekeeping	1	ON	2	1	3	19	3	22	25
Extension Education	RY	Mushroom Grower	1	ON	6	1	7	22	1	23	30
Soil Science	PF	प्याज की खेती में पोषक तत्व प्रबंधन।	1	ON	12	0	12	28	0	28	40
Soil Science	PF	प्राकृतिक खेती	1	OFF	6	0	6	22	2	24	30
Soil Science	PF	प्राकृतिक खेती कैसे करें।	1	OFF	0	0	0	16	0	16	16
Soil Science	PF	प्राकृतिक खेती कैसे करें।	2	ON	7	2	9	51	5	56	65
Soil Science	PF	प्राकृतिक खेती कैसे करें।	1	OFF	13	8	21	90	6	96	117
Soil Science	PF	गरमा मूंग की वैज्ञानिक खेती।	1	OFF	5	0	5	30	13	43	48
Soil Science	PF	Scientific cultivation of vegetable	1	OFF	2	0	2	14	0	14	16
Soil Science	PF	पोषक अनाज की उन्नत खेती।	1	OFF	2	4	6	16	8	24	30
Soil Science	PF	धान की सीधी बुआई	1	OFF	5	0	5	36	0	36	41
Soil Science	PF	धान की सीधी बुआई	1	OFF	8	0	8	21	0	21	29
Soil Science	PF	Scientific cultivation of millet	1	ON	4	6	10	10	33	43	53
Soil Science	PF	Agroforestry & their importance under mission life	1	OFF	13	1	14	8	0	8	22
Soil Science	PF	Scientific cultivation of millet	1	OFF	3	5	8	8	22	30	38
Soil Science	PF	Scientific cultivation of millet in climate changing	1	OFF	3	0	3	14	0	14	17
Soil Science	PF	Climate resilient agriculture	1	ON	4	0	4	28	1	29	33
Soil Science	PF	Scientific cultivation of Soyabean	1	ON	2	5	7	26	2	28	35
Soil Science	PF	खरीफ मौसम में सोयाबीन की खेती	1	OFF	1	0	1	19	0	19	20

Soil Science	PF	पोषक अनाज की उन्नत खेती।	1	OFF	2	0	2	17	0	17	19
Soil Science	PF	मौसमी सब्जी की खेती में पाषक तत्व प्रबंधन	1	OFF	10	21	31	0	0	0	31
Soil Science	PF	धान की खेती में पाषक तत्व प्रबंधन	1	OFF	2	0	2	12	0	12	14
Soil Science	PF	पोषण वाटिका का महत्व एवं रेखांकन।	2	ON	0	4	4	0	16	16	20
Soil Science	PF	पोषण अनाज की वैज्ञानिक खेती।	2	ON	0	3	3	0	18	18	21
Soil Science	PF	दलहन बीज उत्पादन तकनीक (NSC)	1	ON	5	0	5	36	0	36	41
Soil Science	PF	दलहन बीज उत्पादन तकनीक (BSSOCA)	1	ON	3	3	6	30	3	33	45
Soil Science	PF	आम बगीचे में पोषक तत्व प्रबंधन।	1	ON	5	0	5	27	0	27	32
Soil Science	PF	सरसों की उन्नत खेती।	1	ON	4	0	4	16	1	17	21
Soil Science	PF	सरसों उत्पादन में गंधक का महत्व।	1	OFF	5	0	5	44	0	44	49
Soil Science	PF	सरसों की उन्नत खेती।	1	OFF	4	3	7	15	10	25	32
Soil Science	PF	सरसों की उन्नत खेती।	1	OFF	4	4	8	18	4	22	30
Soil Science	PF	मसूर उत्पादन में जैव उर्वरक का महत्वा।	1	ON	2	0	2	12	0	12	14
Soil Science	PF	रबी फसलों की उन्नत खेती।	1	OFF	12	0	12	22	0	22	34
Soil Science	PF	शून्य जुताई से गेहूँ की खेती।	1	OFF	4	0	4	16	0	16	20
Soil Science	PF	शून्य जुताई से गेहूँ की खेती।	1	OFF	3	0	3	19	0	19	22
Soil Science	PF	गेहूँ की खेती में पोषक तत्व प्रबंधन।	1	ON	2	10	12	30	8	38	50
Soil Science	PF	प्राकृतिक खेती: संभावना एवं चुनौतियाँ	2	ON	6	4	10	26	4	30	40
Soil Science	PF	प्राकृतिक खेती क्यों और कैसे	2	ON	6	0	6	36	0	36	42
Soil Science	PF	तेलहनी फसलों में कीट व्याधि प्रबंधन।	1	ON	4	0	4	23	1	24	28
Soil Science	PF	प्राकृतिक खेती में पोषक तत्व प्रबंधन।	1	OFF	9	24	33	6	0	6	39
Soil Science	PF	दलहन फसलों में कीट व्याधि प्रबंधन।	1	ON	2	0	2	15	0	15	17
Soil Science	RY	Compost preapration technique & button mushroom cultivation	1	ON	0	0	0	15	1	16	16
Soil Science	RY	खरीफ फसलों में खरपतवार प्रबंधन	1	ON	7	0	7	22	0	22	29
Soil Science	RY	पशुपालन एक लाभकारी व्यवसाय	6	ON	3	0	3	34	3	37	40
Soil Science	EF	Mission life agroforestry & their benefit.	1	ON	0	0	0	6	6	12	12
Horticulture	PF	Natural farming awareness	2	ON	6	4	10	26	4	30	40

		programme										
Horticulture	PF	Millets Recipes Competition programme	1	ON	0	6	6	0	32	32	38	
Horticulture	PF	पोषण वाटिका का महत्व एवं रेखांकन।	1	ON	0	6	6	1	39	40	46	
Horticulture	EF	Low Cost Protected cultivation technique	1	OFF	7	0	7	28	11	39	46	

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

7. Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth 2023

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	
Dairy	Enterprise Development	Dairy : A profitable enterprise	05	37	03	40	Dairy	6	6	12
Goatery	Enterprise Development	Goatery : A profitable enterprise	05	27	03	30	Goatery	5	5	
Beekeeper (RPL)	Enterprise Development	Beekeeper	10	25	4	29	Beekeeper	4	4	
Mushroom Grower (Domain)	Enterprise Development	Mushroom Grower	52	26	4	30	Mushroom Grower	12	12	
Small Mushroom Grower (ASCI, ICAR)	Enterprise Development	Small Mushroom Grower	27	19	6	25	Small Mushroom Grower	14	14	

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

8. Sponsored Training Programmes 2023

Training title should specify the major technology /skill transferred

Month	AR Client ele	AR Thematic Area	Subject	Duration	Venue	Village	Others			SC			ST			Grand Total			Sponsored by
							M	F	T	M	F	T	M	F	T	M	F	T	
Jan-23	PF	Soil fertility management	Soil Science	1	ON	KVK, Barh, Patna	28	0	28	12	0	12	0	0	0	40	0	40	NHRDF
Jun-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Pandarak Block	65	0	65	12	0	12	0	0	0	77	0	77	ATMA, Patna
Jun-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Belchhi, Block	42	0	42	6	0	6	0	0	0	48	0	48	ATMA, Patna
Jun-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Phulwarisharif	65	18	83	10	5	15	0	0	0	75	23	98	ATMA, Patna
Jun-23	PF	Installation and maintenance of micro irrigation systems	Agricultural Engineering	1	OFF	Bikaram Block	32	0	32	9	0	9	0	0	0	41	0	41	ATMA, Patna
Jun-23	PF	Installation and maintenance of micro irrigation systems	Agricultural Engineering	1	OFF	Maner Block	28	0	28	4	0	4	0	0	0	32	0	32	ATMA, Patna
Jun-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Bihta Block	54	0	54	13	0	13	0	0	0	67	0	67	ATMA, Patna
Jun-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	ON	KVK, Barh, Patna	28	1	29	4	0	4	0	0	0	32	1	33	FPOs
Jun-23	PF	Integrated Nutrient Management	Soil Science	1	ON	KVK, Barh, Patna	28	1	29	4	0	4	0	0	0	32	1	33	FPOs
Jul-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Mahindra & Mahindra (Vinayak Auto)	18	0	18	0	0	0	0	0	0	18	0	18	Mahindra Krish-e
Aug-23	PF	Use of Plastics in farming practices	Agricultural Engineering	2	ON	KVK, Barh, Patna	72	5	77	10	2	12	0	0	0	82	7	89	
Sep-23	PF	Installation and maintenance of micro irrigation systems	Agricultural Engineering	1	OFF	Bikram	76	0	76	8	0	8	0	0	0	84	0	84	
Sep-23	PF	Repair and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	Fatuha	28	9	37	6	4	10	0	0	0	34	13	47	
Sep-23	PF	Others, if any	Agricultural Engineering	1	OFF	Patna Sadar	43	1	44	6	0	6	0	0	0	49	1	50	
Sep-23	PF	Others, if any	Agricultural	1	OFF	Paliganj	55	0	55	18	0	18	0	0	0	73	0	73	

			Engineering																	
Sep-23	PF	Storage loss minimization techniques	Home Science	1	ON	BAMETI, Patna	36	0	36	4	0	4	0	0	0	40	0	40	NSC Patna	
Sep-23	PF	Micro nutrient deficiency in crops	Soil Science	1	ON	KVK, Barh, Patna	36	0	36	5	0	5	0	0	0	41	0	41	NSC Patna	
Sep-23	PF	Micro nutrient deficiency in crops	Soil Science	1	ON	KVK, Barh, Patna	30	3	33	3	3	6	3	3	6	36	9	45	BSSOCA, Patna	
Oct-23	EF	Care and maintenance of farm machinery and implements	Agricultural Engineering	1	OFF	BAMETI, Patna	55	11	66	0	0	0	0	0	0	55	11	66	ATMA, Patna	
Oct-23	PF	Integrated Nutrient Management	Soil Science	1	OFF	Barh Block	22	0	22	12	0	12	0	0	0	34	0	34	ATMA, Patna	
Dec-23	EF	Rejuvenation of old orchards	Horticulture	1	OFF	BAMETI, Patna	28	11	39	7	0	7	0	0	0	35	11	46		
Total							21	869	60	929	153	14	167	3	3	6	1025	77	1102	

Area of training	No. of Courses	No. of Participants									
		General			SC/ST			Grand Total			
		Male	Female	Total	Male	Female	Total	Male	Female	Total	
Crop production and management											
Increasing production and productivity of crops											
Commercial production of vegetables											
Production and value addition											
	01	72	5	77	10	2	12	82	7	89	
Fruit Plants											
	01	28	11	39	7	0	7	35	11	46	
Ornamental plants											
Spices crops											
Soil health and fertility management											
	05	144	4	148	36	3	39	183	10	193	
Production of Inputs at site											
Methods of protective cultivation											
Other (Integrated pest management)											
	02	98	1	99	24	0	24	122	1	123	
	Total	09	342	21	363	77	5	82	422	29	451
Post harvest technology and value addition											
Processing and value addition											
Other											
	Total										
Farm machinery											
Farm machinery, tools and implements											
	04	191	11	202	21	0	21	212	11	223	
Other (Repair & maintenance of farm implement)											
	07	300	28	328	51	9	60	351	37	388	
	Total	11	491	39	530	72	9	81	563	48	611

Livestock and fisheries										
Livestock production and management										
Animal Nutrition Management										
Animal Disease Management										
Fisheries Nutrition										
Fisheries Management										
Other										
Total										
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Other(Different training prog organized by KVK and its mandatory activities)	01	36	0	36	4	0	4	40	0	40
Total	01	36	0	36	04	0	4	40	0	40
Agricultural Extension										
Capacity Building and Group Dynamics										
Other (Crop resilient agriculture)										
Total										
Grant Total	21	869	60	929	153	14	167	1025	77	1102

9. 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
01	Small Mushroom Grower	Small Mushroom Grower	210	3	0	0	0	18	4	21	4	25	

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

Total no of training organised	Name of QP/Job role	Title of the training	Duration (in hrs.)	No. of participants								Fund utilized for the training (Rs.)	
				SC		ST		Other		Total			
				M	F	M	F	M	F	M	F		T
01	Mushroom Grower (Domain)	Mushroom Grower (Domain)	416	4	1	0	0	21	4	25	5	30	
01	Beekeeper (RPL)	Beekeeper (RPL)	80	0	0	0	0	22	7	22	7	29	

**11. A. ACHIEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES
(Including activities of FLD programmes)**

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	04	51	01	52	12.78	0	0	0	51	1	52
Kisan Mela	01	458	244	702	14	6	4	10	464	248	712
Kisan Gosthi	07	153	59	212	24.17	4	1	5	157	60	217
Exhibition	01	218	124	342	9	4	3	7	222	127	349
Film Show	0	0	0	0	0.00	0	0	0	0	0	0
Method Demonstrations	06	43	151	194	66.67	0	0	0	43	151	194
Farmers Seminar	0	0	0	0	0.00	0	0	0	0	0	0
Workshop	0	0	0	0	0.00	0	0	0	0	0	0
Group meetings	01	30	0	30	0.00	0	0	0	30	0	30
Lectures delivered as resource persons	08	208	39	247		647	133	780	855	172	1027
Advisory Services	68	65	3	68	12	0	0	0	65	3	68
Scientist visit to farmers field	45	413	111	524	23.87	8	0	8	421	111	532
Farmers visit to KVK	1012	794	170	1012	0.00	32	16	48	826	186	1012
Diagnostic	04	46	0	46	32.50	0	0	0	46	0	46

visits											
Exposure visits	03	80	16	96	8.27	0	0	0	80	16	96
Ex-trainees Sammelan	0	0	0	0	0.00	0	0	0	0	0	0
Soil Health Camp	0	0	0	0	0.00	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0.00	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0.00	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0.00	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0.00	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0.00	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0.00	0	0	0	0	0	0
Special Programme	08	291	88	379	17.40	12	2	14	303	90	393
Sankalp Se Siddhi	0	0	0	0	0.00	0	0	0	0	0	0
Swatchta Hi Sewa	0	0	0	0	0.00	0	0	0	0	0	0
Any Other (Har Ghar Tiranga, 4 th Krishi Road Map, Parthenium Awareness Programme, CRM)	7	397	165	562	13.79	0	0	0	397	165	562
Total	1175	3247	1171	4466		713	159	872	3960	1330	5290

B. Other Extension activities 2023

Nature of Extension Activity	No. of activities
Newspaper coverage	159
Radio talks	06
TV talks	03
Popular articles	05
Extension Literature	05
Other, if any	

C. Celebration of Important Days 2023

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26 th Jan.)	01	12	02	14		0	0	0	12	02	14
International Women's Day (8 th Mar.)	01	11	54	65	0	0	0	0	11	54	65
International year of Millets	01	49	13	62	0	0	0	0	49	13	62
Ambedkar Jayanti (14 th Apr.)	0	0	0	0	0	0	0	0	0	0	0
World Environment Day (05 th June)	01	88	22	110	0	0	0	0			110
International Yoga Day (21 st Jun.)	01	14	01	15	0	0	0	0	14	01	15
Independence Day (15 th Aug.)	01	11	01	12	0	0	0	0	11	01	12
Parthenium Awareness Week (16 th to 22 nd Aug.)	05	40	22	62	0	0	0	0	40	22	62
National Nutrition Week (01-07 Sept.)	01	0	28	28	0	0	0	0	0	28	28
Hindi Diwas (14 th Sep.)	0	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2 nd Oct.)	01	27	06	33	0	0	0	0	27	06	33
Mahila Kisan Diwas (15 th Oct.)	0	0	0	0	0	0	0	0	0	0	0
World Food Day (16 th Oct.)	01	15	10	25	0	0	0	0	15	10	25
Vigilance Awareness Week (27 th Oct. to 2 nd Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Unity Day (31 st Oct.)	0	0	0	0	0	0	0	0	0	0	0
World Science Day (10 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Education Day (11 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
World Soil Day (5 th Dec.)	01	33	09	42	0	0	0	0	33	09	42
Kisan Diwas (23 rd Dec.)	01	42	11	53	0	0	0	0	42	11	53

D. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1	27.02.2023	PM. Live telecast	PM	45	10	0	55
2	18.03.2023	PM. Live telecast on Millets	PM	62	09	01	72
3	30.04.2023	PM. Live telecast	PM	57	08	01	67
4	27.07.2023	PM. Live telecast (PM Kisan Samman Nidhi)	PM	92	11	02	105
5	15.11.2023	PM. Live telecast (PM Kisan Samman Nidhi)	PM	61	10	01	72

F. Special Programme 2023

S. No	Name of Program	Date of Program	Place of Program	No. of Participant	Visit of VIPs.
1	PM Live telecast	27.02.2023	KVK, Barh	45	
2	PM Live telecast on Millet Promotion	18.03.2023	KVK, Barh	62	Sri Ghanshyam Kumar, ATMA
3	PM Live telecast	30.04.2023	KVK, Barh	57	Sri Ghanshyam Kumar, ATMA

4	PM Live telecast (PM Kisan Samman Nidhi)	27.07.2023	KVK, Barh	92	Sri Ghanshyam Kumar, ATMA Sri Rajesh Singh Raju, BJP, Barh
5	Ex- Trainees Sammelan	04.08.2023	KVK, Barh	34	Dr. Mukesh Kumar, Principal VKSAC, Dumrao
6	22th SAC Meeting	12.08.2023	KVK, Barh	21	Dr. R.K. Sohane, DEE, Sabour Dr. Amrendra, Kumar, Pr. Sc., ATARI, Patna
7	Har Ghar Tiranga	14.08.2023	Rana Bigha, Barh	32	-
8	Meri Maati Mera Desh	15.08.2023	KVK, Barh	15	-
9	Parthenium Awareness Week	17.08.2023 & 22.08.2023	Agwanpur & KVK. Barh	62	-
10	National Nutrition Week	02.09.2023	Bedhna	28	-
11	Inaugration of 4 th Krishi Road Map	18.10.2023	Bapu Sabhagar, Patna	03	-
12	Sawal Jabab	01.11.2023	KVK, Barh, Patna (Online)	10	-
13	PM Livetelecast (Kisan Samman Sammelan)	15.11.2023	KVK, Barh, Patna	61	Sri Rajesh Singh Raju BJP, Barh

12. Production and supply of Technological products

Village seed

Crop	variety	Quantity of seed (q)	Value (Rs)	Provided to number of farmers
Total				

13. (A) KVK farm 2023

Crop	Variety	Area (ha)	Production (q)	Remarks
Wheat	DBW -187	13.5	159.6	
Chickpea	S Chana-1	6.05	13.75	
Mustard	RH-725	4.25	23.25	
lentil	IPL-316	9.55	46.4	
Lathyrus	Ratan	0.25	1.4	
Potato	UC Map	0.094	7.5	
Potato	Bari Aallu	0.078	5.7	
Potato	K Pokhraj	0.016	1.0	
Moong	Shikha	6.5	17.5	

(D) Production of Bio-Products

Name of product	Quantity (Kg)	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-food (Spirulina etc)						
Bio-pesticide						
Bio-agents (Trichocard etc)						
Worms (earthworm, silk worms etc)						
Bio-fungicide						
Others, please specify (Mushroom spawn, Culture Mineral Mixture, Coir pith compost, Cow dung, Cow urine	(Jeevamrit) 1400 Lit.	Used in Prakritik Kheti demonstration at KVK				
Total						

E. 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	Bachur	01	10000				
	Sahiwal	01	55000				
	Sahiwal	01	56000				
Buffaloes							
Calves	BachaurX Gir	01					
	Sahiwal	01					
	Sahiwal	01					
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat	Black Bengal	12	21000				
Other, please specify							
Poultry							
Broilers							
Layers	Kadaknath	100	30000				
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp	4000	40000					
Fish fingerlings							

Spawn							
Others (Pl. specify)							
Grand Total							

14. SOIL & WATER TESTING

A. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Spectrophotometer	1
2	pH meter	1
3	Flame photometer	1
4	Electronic balance	1
5	Conductivity meter	1
6	Atomic absorption spectrophotometer	1
7	Glass distillation unit	1
8	Hot plate	1
9	Hot air oven	1
10	Mechanical shaker	1
11	Mridaparikshak Soil testing Kit	1

B. Details of samples analyzed

Total number of soil samples analyzed till now		
Through Mini Soil Testing Kit/Labs	Through soil testing laboratory	Total
0	455	455

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	455	11	455	4,34,600.00
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

15. A. Details on World Soil Day 2023

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
01	World Soil Day	41	01	Sri Vijay Shankar	42	42

B. 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.)

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

i. Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2021						
Rabi 2021						
Summer/Spring 2021						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2018-19)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2019-20				
2020-21				
2021-22				

17. PUBLICATIONS, HUMAN RESOURCES 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		

B. Details of Other Publications

Literature Developed/Published (with full title, author & reference)

Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
Research paper			
Seminar/conference/symposia papers			
Books	I Poshan Vatika II Krishak Sandesh	1584 2100	1584 2100

Bulletins	-	-	-
News letter	Krishak Samachar (July to Sep.) & (Oct. To Dec.)	2000	
Popular Articles	-	-	-
Book Chapter	-	-	-
Extension Pamphlets/ literature	1. Poshak Aanaj (Prakrit Ka Anmol Uphar) 2. Prakritik Kheti 3. Krishi Drone (Gramin (Kshetro Ke liye Labh Chunautiyan) 4. Mote Aanaj 5. Prakritik Kheti (Margdarshika)	10000 4700 2500 2500 5000	
Technical reports			
Electronic Publication (CD/DVD etc)			

N.B. Please enclose a copy of each. In case of literature prepared in local language, please indicate the title in English

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.	Sri Rajeev Kumar, SMS Soil Science	Participation in IRRI Program	06.04.2023 - 08.04.2023	ICRISAT, Hyderabad
2.	Dr. Mrinal Verma SMS, Agril. Engg.	Drone Training	29.03.2023 - 01.04.2023	Drone Destination, Gurugram

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

Type of attachment	No of student trained	No of days stayed

18. Awards/Recognition

A. Institutional Award received by KVK

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

B. Award received by KVK Scientists

Sl.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority
1	Best Performer under the Category Revolving Fund	Sri Rajeev Kumar	Certificate		ATARI, Patna
2	Best Non-Teaching.	Sri Jayant Prasad	Certificate		ATARI, Patna

C. Award received by Farmers

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1.	Best Farmers Award	Sri Survijay Kumar Singh	Paindachak, Pandarak	9546077328		Certificate	Best Farmer of Patna District	BAU, Sabour
1.	District Millionaire	Sri Amarjit Kumar	Lodipur, Danapur	9934713788		Certificate	District Millionaire	Mahindra Tractors

	Farmer of India Award 2023	Sinha					Farmer	
2.	Best Farmer Award	Sri Ravi Prakash	Murtazapur, Belchi	8292928903	776188357771	Certificate	Best Farmer award	ATARI , Patna

19. TECHNOLOGY DEVELOPMENT

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

Sl. No.	Name/ Title of the technology	Brief details of the Innovative Technology	Impact of the technology	Status of commercialization/Patent

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

C. 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)

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

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1	PRA	For identifying problem for training and OFT

20. Impact

A. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)
Mushroom production	62	41 % of adoption	2000	6000
Vermicompost Production technique	115	38 % of adoption	6000	8000
Adoption of zero tillage technique	258	36 % of adoption	22000	26000
Adoption of DSR technique	32	19 % of adoption	17300	25000
CRS	Mass	39 % of adoption	-	-
Bio fertilizer in Pulse crop	27000	26 % of adoption	60000	68000

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

B. Cases of large scale adoption

(Please furnish detailed information for each case)

- (1) Sri Narendra Prasad, Village- Chakjalal, Pandarak, Patna (**Integrated Farming System**)
- (2) Sri Ajeet Kumar, Vill.-Narayanpur, Naubatpur, Patna, Bihar (**OrganicVegetable production & Goat farming**)
- (3) Sri Sudhanshu Kumar Singh, Village- Kanchanpur, Bihta, Patna (**Climate Resilient Agriculture**)
- (4) Sri Ramjit Sharma, Village- Baghakol, Bikram, Patna (**Wheat Seed Production**)
- (5) Sri Ravi Shankar, Village- Maner (**strawberry production**)
- (6) Sri Ravi Prakash, Village- Murtuzapur, Belchi (**Button Mushroom Grower**)

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

Horizontal spread of technologies	
Technology	Horizontal spread
Mushroom cultivation (Button & Oyster Mushroom)	22 villages(385 Farmers)
Vermicompost Production	45 villages(405 farmers)
Seed Production (Wheat,Lentil, Chickpea,Onion)	17villages (150 Farmers)
Resource Conservation(Zero tillage technology)	11 villages (650 Farmers)

Give information in the same format as in case studies

D. 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	Vermicompost Production	Under Namami Gange adoted village this technology getting popularity among the farmer.	Approx. 405 farmer involved in production and marketing of the vermicompost
2	Mushroom production	After initializing skill development training through BSDM & ASCI youths were taking this enterprise in large scale	Approx.. 385 youths were involved in mushroom production and their marketing
3	Zero Tillage Machine	ZTD machine is excellent among the farmers for sowing of the rice, wheat, Lentil and Chickpea	In 500 acre area sowing is done by using ZTD machine
4	Seed Treatment	After seed treatment many seed borne disease could be controlled in many crops	More than 1500 farmers using seed treatment before sowing
5	Happy Seeder	A good alternative to remove crop residue manually and delayed sowing	In more than 400 acre farmer after harvest of paddy by combine harvester, used happy seeder for wheat sowing
6	Baler	A good option to remove the crop residue from the field in less time, which helps the farmer for delayed sowing of rabi crops.	In CRA adopted village farmers showing interest in bale making instead of burning the crop residue

E. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Vegetable seed production
Name & complete address of the entrepreneur	Sri Amarjeet Kumar Sinha, S/o Late Kamta Prasad Sinha, Vill.-LodipurChandmari, Danapur, Patna, Bihar
Intervention of KVK with quantitative data support:	KVK provide technical support,organized training programme and arranged exposure visit
Time line of the entrepreneurship development	07 year
Technical Components of the Enterprise	Seed production, maintenance of isolation distance, grading of quality seed and storage
Status of entrepreneur before and after the enterprise	Successful enterprises interms of income and employment generation as well as in motivation of rural farmrs
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic	Persentley due to Suceffule running of this enterprise. Mr Sinha was awaded by BAU, Sabour as an innovative farmers during the Kisan Mela, 2017. Now days his enterprises is very Popular among farmers of the district and seed sale is not a

viability of the enterprise):	problem.
Horizontal spread of enterprise	Farmers from different districts get benefitted from him as seed input and technical knowhow.

Entrepreneurship development	
Name of the enterprise	Mushroom production
Name & complete address of the entrepreneur	Sri Ravi Prakash, Vill.-Murtuzapur, Belchi, Patna, Bihar
Intervention of KVK with quantitative data support:	KVK provide technical support, organized training programme and arranged exposure visit.
Time line of the entrepreneurship development	06 year
Technical Components of the Enterprise	Spawn production, Oyester and Button Mushroom Production
Status of entrepreneur before and after the enterprise	The farmer used to get annual income of Rs 3,02,825.00 in 2018-19 but after starting the enterprize he is getting annual income of Rs 6,12,080.00
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Persentley due to Succesfule running of this enterprise, Mr Ravi Prakash was awaded by ATARI, Patna as an innovative farmers during 2023. Now a days his enterprises is very Popular among farmers of the district and the produced items are fully sold in the market
Horizontal spread of enterprise	Local small mushroom producers get technical support from Mr Prakash and about twenty people get such type of assistance from him.

21. Success stories/Case studies

Name of farmer	Sri Amarjeet Kumar Sinha
Address & Contact details (Phone, mobile, email Id)	Village-LodipurChandmari,Block-Danapur, Dist-Patna Mobile Number: 9934713788
Assets (Landholding (in ha.)/Livestock)	Landholding- 5.2
Name and description of the farm/ enterprise	Vegetable Seed Productin
Achievement of the farmers	Paddy – 84Q, Lenti_30, lathyrus-30, Mustard-10, Pea-20q, Cowpea- 5.0q, Onion-4.0, amaranthus- 0.5 received millionaire farmers of India award 2023 nominated by KVK Patna
KVK intervention (planning & Implementation)	Provided training on quality seed production, insect pest management, weed management and post harvest operation in seed production and scientific storage
Impact (Economic/ Social/Environmental)	Net income -1024000 and having good life style
Outcome (Horizontal/ Vertical spread)	About 25 other farmers of the village involved in the seed production of vegetable pea and cowpea and marketing is done by Sri Amarjeet kumar Sinha



Name of farmer	Sri Avijeet Kumar Singh
Address & Contact details (Phone, mobile, email Id)	Village-Bishnupura,Block-Bihta, Dist-Patna Mobile Number: 9006891015
Assets (Landholding (in ha.)/Livestock)	Landholding- 1.5, Livestock- 03
Name and description of the farm/ enterprise	IFS and crop production
Achievement of the farmers	<ul style="list-style-type: none"> • Adopted new technologies in crop production like ZT technology in wheat, lentil etc • Trainer and Assessor under National Academy of RUSED, Banglore(Ministry of Rural Development) • Established farmers group as Kisan Sewa Samooh • Producing vermicompost for their own use.
KVK intervention (planning & Implementation)	Providing training on use of Different machineries in crop production, IFS, seed production, mushroom production.
Impact (Economic/ Social/Environmental)	Net income -545000 and having good life style
Outcome (Horizontal/ Vertical spread)	About 90 other farmers of the village and adjoining villages get technical knowledge in different avenues of agriculture.



22. Any other initiative taken by the KVK
- * Establishment in Nutri Garden in KVK premises and Anganwari centres
 - * Long Term Experimental Plot under CRA in KVK farm
 - * Natural Farming
 - * IFS
 - * Viksit Bharat Sankalp Yatra

23. LINKAGES

A. Functional linkage with different organizations

Name of organization	Nature of linkage
1. ICAR Complex for East region, Patna	Technical knowhow of water saving technology for different crop.
2. Agricultural Technology Management Agency (ATMA) Patna	To Conduct training and demonstration in the farmer's field.
3. District Agricultural Office, Patna	Technical feedback, Human Resource development & transfer of technology.
4. District Horticulture Office, Patna	Technical feedback, Human Resource development & transfer of technology.
5. District Fisheries Office, Patna	Technical feedback, Human Resource development & transfer of technology.
6. District Animal Husbandary office, Patna	Technical feedback on dairy development
7. Bihar Agricultural Management Extension Training Institute (BAMETI), Patna	Technical feedback, Human Resource development transfer of technology.

8. JEEVIKA, PATNA and other NGOs of the district	Capacity building of farmers, farmwomen and rural youth for income generation.
9. Other KVKs of the state	Seed & planting material, training and exposure visit of farmer.
10. Sri ram fertilizer & chemical limited, patna	Technical knowhow of fertilizer management for different crop.
11. NABARD	Creating Awareness on Agriculture among farmers and formation of Kisan club
12. BSDM, Patna	Skill Development Training
13 ASCI, New Delhi	Skill Development Training
14 SMART	COVID-19 Awareness Programme
15 BASU, Patna	Animal Health Camp & Training programme
16 BREDA, Patna	Training & Awareness
17. NIAM Jaipur	Training & Awareness
18. CIAE, Bhopal	Training on value added product of Soybean

- B.** List of special programmes undertaken during 2023 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (**information of previous years should not be provided**)

C. Programmes for infrastructure development

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
CRA Program	Implement Shed	November 2023	Govt of Bihar (CRA)	-
DAMU	Agro metrology	December 2023	Govt of Bihar	-

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

Name of the programme/scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
Training	Training	02-05.01.2023	NHRDF	8000
Training	Training	30.05.2023	NHRDF	2000
Seed Production of Rabi Crop	Training	16.09.2023	NSC	2000
Agricultural Marketing	Training/Awareness	31.10.2023	NIAM	2000
Training/Awareness	Training/Awareness	23.12.2023	Coconut Development Board	2000

24. PERFORMANCE INDICATORS

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

S N	Name of demo Unit	Year of estt.	Area (Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1	Dairy	2023	18	Bachur Sahiwal	Milk	30 lt		1350	

2	Vermicompost	2019	30	-	Vermicompost	50 q	16200	30000	
3	Goatery	2023	24	Black Bengal	Memna	5 nos	21000		
4	Poultry	2023	24	Kadakhath	Egg/ bird	118 nos/ 1.44 q		28720	
5	Fishery	2017	324	Mix	Fish	17.5 kg	-	2625	
6	Mushroom	2017	20	Oyster & Button	Oyster & Button	9.0 kg		1060	
7	Azolla	2022	03	Azolla	Azolla	08	-	-	-
8	Natural farming	2022	4000	Paddy	Paddy	30.0	-	-	-
7	Total							32405	

b. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	
Wheat	Nov. 22	March 23	5.4	DBW-187	T/L	159.6		686280	
Lentil	Oct. 22	March 23	3.82	IPL-316	C/S	46.4		580000	
Chickpea	Oct. 22	March 23	2.42	S.Chana-1	C/S	13.75		90200	
Rai	Oct. 22	March 23	1.7	RH-725	T/L	23.26		19040	
Lathyrus	Oct. 22	March 23	0.1	Ratan	T/L	1.4		8400	
Moong	March 23	June 23	2.6	Shikha	F/S	17.50			
Paddy	Aug.23	Nov 23	3.712	S.Sampann	C/S	182.71			
Paddy	Aug.23	Nov 23	1.712	R.Sweta	C/S	69.89			

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

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.	Vermicompost	50	16200		Used in Natural Farming at KVK Farm
2	Jeevamrit	1600	1200		Used in Prakirtik Kheti demonstration plot

d. 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.							
2.							
3.							

e. Performance of Automatic Weather Station in KVK

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

25. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total:			

(For whole of the year)

26. 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

27. 1. FINANCIAL PERFORMANCE

A. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	

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

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

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances			
2	Traveling allowances			
3	Contingencies			
A				
B				
C				
D				
E				
F				
G				
H				
I				
J	Swachhta Expenditure			
TOTAL (A)				
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2021	4278930.27	2541921.0	1229315.22	5591536.05
2022	5591536.05	3215524.0	1829854.00	6977206.05
2023	6977206.05	3119758.0	1300498.0	8796466.05

27.3 (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

27.4 Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	Both
Kisan Vaigyanik Milan Samaroh	02	Kharif and Rabi	✓	✓	
Scientist Visit to Farmers field	12	Kharif, Rabi & Summer	✓	✓	

27.5 Revenue generation

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
1.	Sale of Fish	2,625.00	

Sl.No.	Name of Head	Income (Rs.)	Sponsoring agency
2.	Sale of Guava Fruit	5,000.00	
3.	Sale of Ragi seed	9,600.00	
4.	Sale of Mushroom	300.00	
5.	Sale of News Paper (Scrap)	2,380.00	
6.	Sale of Onion	6,624.00	
7.	Sale of Potato	10,800.00	
8.	Sale of Paddy seed	3,83,338.00	
9.	Sale of Plants	15,850.00	
10.	Soil Testing	4,24,600.00	
11.	Sale of Vegetables	1,290.00	
Total		8,62,432.00	

27.6 Resource Generation

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	Bank Interest			1,12,406.00	
2	Kisan Ghar/Training Hall		Training Programme	1,36,880.00	
3	CRS Smart, New Delhi		TB Challenges	78,020.00	

28. MISCELLANEOUS INFORMATION

28.1. 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)
Sheath blight	Paddy	18.9.2023	400	5	Application of Validamycin
Wilt	Lentil	26.11.2023	315	8	Seed treatment with Carbendazim
wilt	Chickpea	28.11.2023	280	12	Seed treatment with Carbendazim
Purple blotch	Onion	13.2.2023	150	8	Application of mancozeb

28.2. 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)

28.3 KVK Portal and Mobile App

Sl. No.	Particulars	Description
1.	No. of visitors visited the portal	-
2.	No. of farmers registered in the portal	-
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	-

28.4 Details of KVK Portal**28.5 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				

28.6 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
KVK, Barh, Patna	5610

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

Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
05	Swachhta Awareness programmes organized at local level	4	136	0	140
03	Activities undertaken for recycling of used water for agriculture/ horticulture application	6	68	04	78
04	Sanitation and SWM	8	47	03	58
01	Basic maintenance (include housekeeping, cleaning of guest house, institute buildings & toilets, campus, etc)	2	27	0	29

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

Date/ Duration of Observation	Total No of Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
22.12.2023	01	02	40	0	42
25.12.2023	01	01	57	0	58
26.12.2023	01	01	36	0	37
28.12.2023	01	01	32	0	33
30.12.2023	01	01	20	0	21

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		

2.	Other than vermicomposting activities under Swachata		
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28.8 Details of 'Pre-Rabi Campaign' Programme

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

28.9 Viksit Viksit 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	80	80	48825	80

29. 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

30. 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)

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

Date	Name of the person	Purpose of visit
30.03.2023	Dr. Anjani Kumar, Director ATARI, Patna	SCSP Programme
12.08.2023	Dr. R.K. Sohane, DEE, BAU, Sabour	SAC Meeting
12.08.2023	Dr. Amrendra Kumar, ATARI, Patna	SAC Meeting
12.08.2023	Sri Vikash Kumar, DAO, Patna	SAC Meeting
12.08.2023	Sri Brijendra Mani, ATMA, Patna	SAC Meeting
12.08.2023	Sri Prem Shankar, SAO, Barh	SAC Meeting
12.08.2023	Sri Dev Kumar, Jeevika, Patna	SAC Meeting

12.08.2023	Sri Vinay Kumar,	SAC Meeting
14.11.2023	Dr. Randhir Kumar, RD, ARI, Patna	CRA Crop Cutting
14.11.2023	Dr. Mukesh Kumar, Principal, Dumraon	CRA Crop Cutting

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

32.1 Details of Cereal Systems Initiative for South Asia (CSISA)

- Year:
- Introduction / General Information:

Trial Name	Area covered	Variety name	Duration	Method of planting	Sowing	Grain Yield	Cost of cultivation (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	BCR
Kharif										
Rabi										

32.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

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

33. Activities under SCSP 2023

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	04	101
b.	Women	02	55
c.	Rural Youths	0	0
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
		-	-
3)	FLD	No. of FLDs	No. of beneficiaries
	Chiks, Khurpi, Drum, Sewing Machine, Nutri-Kits, Millets	06	236
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		24	50
5)	Other activities		
a.	Participants in extension activities (No.)		03
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.)		-

34. 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	Area	No of farmers covered / benefitted	Remarks

undertaken	(ha)									
		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	

35. A. 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

B. 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	Naubatpur Bikaram Farmers Producer Company LTD, Bikaram	U01110BR2018PTC040015	22.11.2023	Paddy & wheat production and marketing	Wheat	110		
2	Tal Farmers Producer Company LTD, Mokama	U01100BR2019PTC041566	29.03.2019	Production & marketing of lentil, pea and chickpea	Pulse	215		
3	Grow & Know Krishi Fed Producer company LTD, Bakhtiyarpur	U01114BR2023PTC062521	07.05.2023	Production & marketing of Mustard	Lentil	120		
4	Dulhinbazar Krishi Fed Producer Company LTD, Dulhinbazar	U10613BR2023PTC062072	19.03.2023	Paddy & wheat production and marketing	Lentil	150		
5	Patligram Krishi Fed Producer Company LTD, Bikaram	U46692BR2023PTC062079	19.03.2023	Paddy & wheat production and marketing	Lentil	200		
6	Parvatmala Krishi Fed Producer Company LTD, Mokama	U10613BR2023PTC062940	03.05.2023	Production & marketing of lentil, pea and chickpea	Lentil	300		

36. 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
Agwanpur, Barh Kamrapar, Athmalgola		-	01	03	61	06	268

b. Details of OFT/FLD

OFT		
Nutritional Garden		
Bio-fortified Crops		
Value addition (in no. of Unit or no. of Enterprise)		
Other Enterprises (in no. of Unit or no. of Enterprise)		
	Area (ha/ no. of Unit/Enterprise)	No. of farmers/beneficiaries
FLD		
Nutritional Garden	97	97
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.	Agwanpur, Barh Kamrapar, Athmalgola	Backyard/Kitchen Garden	97		97
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/pulses/oilseed/fruits & veg./others)	Name of Crop	Variety	Area (ha)	No. of 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
Kamrapar, Athmalgola	Millets	Thekua, Laddu, Puri, Kheer,	Training	72

		Namkeen, Puaa, China Tikki, Mathari, Roti, Cake		

f. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries
KVK	Management of nutrigarden	03	61
Agwanpur, Barh	Establishment of nutrigarden	02	29
Kamrapar, Athmalhola	Nutrigarden	03	47

g. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries
Agwanpur, Kamrapar, Ranabigha, Bedhna	Awareness programme	08	135

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
02	KVK	72

37. Attracting 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		

38. Out-scaling of Natural Farming

a. Overall achievements

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme	26	11113
2.	Training programme	04	184
3.	Demonstrations	12	12

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries
01	Natural Farming	28.06.2023	KVK, Barh	33
02	Natural Farming	24-25.11.2023	KVK, Barh	70
03	Natural Farming	05-06.12.2023	KVK, Barh	42

04	Natural Farming	22.12.2023	Mokama	39
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c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries
01	Awareness Programme	27.03.2023	Majhlabigha	117
02	Awareness Programme	28.03.2023	KVK	52
03	Awareness Programme	21.04.2023	Pandarak	24
04	Awareness Programme	27.06.2023	Simari, Bakhtiyarpur	18
05	Awareness Programme	01.07.2023	Aropur, Naubatpur	19
06	Awareness Programme	02.12.2023	Jaitia	156
07	Awareness Programme	03.12.2023	Alawalpur	215
08	Awareness Programme	06.12.2023	Jethuli	140
09	Awareness Programme	08.12.2023	Baikatpur	235
10	Awareness Programme	09.12.2023	Haibatpur	675
11	Awareness Programme	12.12.2023	Bahadurpur	39
12	Awareness Programme	12.12.2023	Narauli	65
13	Awareness Programme	13.12.2023	Salimpur	296
14	Awareness Programme	15.12.2023	Rupas Mahaji	770
15	Awareness Programme	16.12.2023	Frezor Raod	1080
16	Awareness Programme	17.12.2023	Rajapur Pul	1110
17	Awareness Programme	18.12.2023	Satbhaiya Ramnagar	785
18	Awareness Programme	19.12.2023	Natural Farming	183
19	Awareness Programme	20.12.2023	Sabnima	318
20	Awareness Programme	22.12.2023	Jamalpur	340
21	Awareness Programme	24.12.2023	Masaudha	929
22	Awareness Programme	25.12.2023	Rahimapur Rupas	699
23	Awareness Programme	27.12.2023	Barh	1012
24	Awareness Programme	28.12.2023	Ekdanga, Barh	632
25	Awareness Programme	29.12.2023	West Bedhna, Budhnichak, Barh, Patna	584
26	Awareness Programme	30.12.2023	Agwanpur, Barh	620
Total			26	11113

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.
01	Cauliflower	Chaknawada	0.5 acre
02	Paddy	KVK	10 acre
03	Chickpea	KVK	1.0 acre
04	Chickpea	Aropur, naubatpur	2.0 acre
05	Rai	Mokama	0.5 acre

39. District Agro Meteorological Unit (DAMU)

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

40. KSHAMTA

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

41. 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
01	ICAR	01	01	0	15	15	0	0

42. 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	Dairy	0.1	-	112000	-	12	-
2	Goatry	0.05	-	45000	-	20	-
3	Fish farming	0.1	-	6000	-	08	-
4	Poultry	0.01	-	4800	-	41	-
5	Vermicompost	0.02	-	11500	-	57	-
6	Mushroom	0.01	-	8000	-	104	-

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 Farming	01	2019					
2.	Goat Farming	01	2022					
3.	Poultry	01	2022					
4.	Pashupalan	01	2023					

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

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

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

A. Climate Resilient Agriculture Programme

1. Name of the KVK: **PATNA (BARH)**

2. Involved Scientists:

S. No.	Name	Discipline/Subject
1.	Dr. Reeta Singh	Senior Scientist & Head (PI)
2.	Dr. Mrinal Verma	SMS Agril.Engg. (Co-PI)
3.	Sri Rajeev Kumar	SMS Soil Science (Co-PI)

3. Name of Project Staff: **NIL**

4. Adopted villages:

S. No.	Name of CRA Village	GPS Coordinate
1.	Painal	Lat- 25.585338 Lon- 84.927876
2.	Bishnupura	Lat- 25.570891 Lon- 84.903711
3.	Mahmadpur	Lat- 25.583635 Lon- 84.940309
4.	Bazitpur	Lat- 25.574127 Lon- 84.913477
5.	Kanchanpur	Lat- 25.529203 Lon- 84.873617

5. Demonstrations targets and achievements

Seasons	Physical Targets	Target Achieved	No of beneficiaries	Achievement (%)
Rabi 2019-20	150	-	-	-
Summer 2020	50	-	-	-
Kharif 2020	300	-	-	-
Rabi 2020-21	623	623	650	100
Summer 2020-21	350	250	250	71.43
Kharif 2021-22	595	595	595	100
Rabi 2021-22	623	623	649	100

Summer 2021-22	350	340	350	97.14
Kharif 2022	595	595	595	100
Rabi 2022-23	623	623	650	100
Kharif 2023-24	595+100= 695	695		
Rabi	623	623	630	100

6. Physical Target and Achievement (Kharif 2023-24)

Crop	Technology	Name of Varieties		Target (acre)	Achievement (acre)
		Demo	Local Check		
	LLL	100		100	100
Paddy	DSR	R Sweta	Sonam	325	98
	Line Transplanting	S Sampann	MTU 7029		80
		R Sweta	Sonam		
	S Harshit	Mugdha			
	AWD	S Sampann	MTU 7029	40	80
WH and FB	R Sweta	Sonam			
	S Harshit	Mugdha			
Nutrient Expert/Green seeker/INM	S Sampann	MTU 7029	55	55	
	R Sweta	Sonam			
	S Harshit	Mugdha			
Maize	Raised Bed				
Soybean	Raised Bed	Avantika		60	60
Millets	Line Transplanting	A 404		10	10
Arhar					
Community Irrigation	Line Transplanting	S Sampann	MTU 7029	25	25
		R Sweta	Sonam		
		S Harshit	Mugdha		
Other Interventions					
Total				695	695

7. Yield and Percent Enhancement of Crops Under Different Interventions (Kharif 2023)

Crop	Technology	Name of Varieties		Target (acre)	Achievement (acre)	Average Grain Yield (q/ha)		Average Straw Yield (q/ha)		% increase (Grain yield)
		Demo	Local Check			Demo	Local check	Demo	Local check	
	LLL	100		00	100					
Paddy	DSR	R Sweta	Sonam	325	98	46.0	39.82	57.5	49.77	15.71
	Line Transplanting	S Sampann	MTU 7029		80	80	63.67	56.45	79.58	70.56
		R Sweta	Sonam	44.75			37.8	55.93	47.25	18.56
		S Harshit	Mugdha	43.08			36.82	54.75	46.02	17.11
	AWD	S Sampann	MTU 7029	40	40	63.36	52.98	79.2	66.2	19.65
WH and FB	R Sweta	Sonam	46.88			36.25	58.6	45.31	29.24	
	S Harshit	Mugdha	43.87	34.85	54.83	43.56	26.16			
	WH and FB	S Sampann	MTU 7029	40	40	65.1	59.27	81.37	74.0	9.84
		R Sweta	Sonam			45.5	35.78	56.87	44.72	22.7

		S Harshit	Mugdha			44.2	37.28	55.25	46.6	18.6
	Nutrient Expert/Green seeker/INM	S Sampann R Sweta S Harshit	MTU 7029 Sonam Mugdha	55	55	63.77 44.76 43.08	57.28 37.8 35.68	79.71 55.95 53.85	71.6 47.25 44.6	11.34 18.48 20.82
Maize	Raised Bed									
Soybean	Raised Bed	Avantika		60	60	11.79		47.0		
Millets	Line Transplanting	A 404		10	10	14.02		32.73		
Arhar										
Community Irrigation	Line Transplanting	S Sampann R Sweta S Harshit	MTU 7029 Sonam Mugdha	25	25	63.91 45.85 42.67	58.28 38.65 36.68	79.88 57.31 53.33	72.85 48.31 45.85	9.64 18.67 16.33
Other Interventions										
Total				695	695					

8. Economics Achievement (Kharif 2023-24)

S. No.	Name of technical intervention	Cost of Cultivation (Rs ha ⁻¹)		Gross Return (Rs ha ⁻¹)		Net Return (Rs ha ⁻¹)		B:C ratio	
		Demo	Local check	Demo	Local check	Demo	Local check	Demo	Local check
1	DSR	38200	45400	96603.85	83627.14	58403.85	38227.14	2.52	1.84
2	Line transplanting	45800	46400	133720	118553.3	87920	72153.3	2.91	2.55
	S sampanna	45800	46000	93982.5	79380	48182.3	33380	2.05	1.73
	R Sweta S Harshit	45600	46400	90473	77305.8	44875.8	30905.8	1.98	1.66
3	AWD	45400	46800	133056.97	111260.9	87656.9	64460.9	2.93	2.37
	S sampanna	44800	45400	98458.5	76198.5	53658.5	30798.5	2.19	1.68
	R Sweta S Harshit	44800	45400	92130	73185	47330	27785	2.05	1.61
4	WH&FB	46800	45700	136710	124477.5	89910	78177.5	2.92	2.72
	S sampanna	46800	45700	95550	75140	48750	29440	2.04	1.64
	R Sweta S Harshit	45600	46400	92834	78302	47234	31902	2.03	1.68
5	Nutrient Expert/Green seeker/INM	45600	47600	133917	120288	88317	72688	2.93	2.52
	S sampanna	46400	47400	94010	79380	47610	31980	2.02	1.67
	R Sweta S Harshit	46400	47200	90481.4	74931.8	44081.4	27731.8	1.95	1.58
6	Community Irrigation	46400	47200	134206.1	122397.7	87806.1	75197.7	2.89	2.59
	S sampanna	46400	45400	96285	81165	49885	35765	2.07	1.78
	R Sweta S Harshit	46400	47200	89607	77028	43207	29828	1.93	1.63
7	Raised Bed Soybean	30400		70740		40340			2.33
8	Millet	26500		35053.57		8553.57			1.32

9. Physical Target and Achievement (Rabi 2023-24)

Village Name	Crop	Technology intervention	Area (acres)
1. Painal	Wheat(DBW187)	ZTD	87
	Wheat(DBW187)	INM	2

	Lentil(IPL316)	ZTD	5
	Chickpea (Sabour chana 1)	ZTD	5
	Mustard(RH725)	Line sowing	24
	Lathyrus(Ratan)	ZTD	1
	Potato(UC map)	Raised bed	1
Total			125
2.Mahmadpur	Wheat(DBW187)	ZTD	87
	Wheat(DBW187)	INM	2
	Lentil(IPL316)	ZTD	5
	Chickpea (Sabour chana 1)	ZTD	5
	Mustard(RH725)	Line sowing	12
	Lathyrus(Ratan)	ZTD	1
	Potato(UC map)	Raised bed	1
Total			113
3. Bishnupura	Wheat(DBW187)	ZTD	39.5
	Wheat(HD 2967)	ZTD	47.5
	Wheat(DBW187)	INM	2
	Lentil(IPL316)	ZTD	5
	Chickpea (Sabour chana 1)	ZTD	5
	Mustard(RH725)	Line sowing	25
	Lathyrus(Ratan)	ZTD	1
	Potato(UC map)	Raised bed	1
Total			126
4. Bajitpur	Wheat(DBW187)	ZTD	87
	Wheat(DBW187)	INM	2
	Lentil(IPL316)	ZTD	5
	Chickpea (Sabour chana 1)	ZTD	5
	Mustard(RH725)	Line sowing	25
	Lathyrus(Ratan)	ZTD	1
	Potato(UC map)	Raised bed	1
Total			126
5.Kanchanpur	Wheat(DBW187)	Happy Seeder	50
	Wheat(DBW187)	ZTD	32
	Wheat(DBW187)	INM	7
	Lentil(IPL316)	ZTD	5
	Chickpea (Sabour chana 1)	ZTD	5
	Mustard(RH725)	Line sowing	12
	Lathyrus(Ratan)	ZTD	1
	Potato(UC map)	Raised bed	1
Total			113
Grand Total			603

1. Adopted Cropping Systems

S. No.	Name of Cropping System	Demonstrated Varieties		
		Kharif	Rabi	Summer
1.	Paddy-Wheat-Moong	S. Sampann	DBW187	Sikha

2.	Paddy-Mustard-Moong	S. Sampann	RH 725	Sikha
3.	Paddy-Lentil-Moong	R. Sweta	IPL 316	Sikha
4.	Paddy-Chickpea-Moong	S. Harshit	PG186	IPM 2-3
5.	Paddy-Lathyrus-Moong	R. Sweta	Ratan	Sikha
6.	Soybean-Mustard-Moong	Avantika	RH 725	Sikha
7.	Paddy-Potato-Moong	R. sweta	K Pukhraj	Sikha
8.	Paddy-Maize-Moong	R. Sweta	Aacharya	Sikha

2. Productivity of best three cropping system

S. No.	Name of Cropping System	Productivity (q/ha)		
		Kharif	Rabi	Summer
1.	Paddy-Potato-Moong	63.91	246.6	12.12
2.	Paddy-Maize-Moong	63.91	92.36	12.12
3.	Paddy-Wheat-Moong	63.67	42.71	12.12

3. Profitability of best three cropping system

S. No.	Name of Cropping System	Profitability (INR/ha)		
		Kharif	Rabi	Summer
1.	Paddy-Potato-Moong	75733	111680	25940
2.	Paddy-Maize-Moong	75733	89776	25940
3.	Paddy-Wheat-Moong	75289	57291	25940

4. Crop wise Productivity (CRA vs Non CRA)

Crop	Productivity (q/ha)		% increase over Non CRA
	CRA	Non CRA	
Paddy	63.67	56.45	12.88
Wheat	41.21	33.56	23.06
Moong	12.12	10.34	11.94

5. Crop wise Profitability (CRA vs Non CRA)

Crop	Profitability (Rs/ha)		% increase over Non CRA
	CRA	Non CRA	
Paddy	87920	72153	21.85
Wheat	62704	47468	32.10
Moong	74904	60370	24.07

6. Crop diversification

S. No.	Crops*	% of area covered in CRA village	% of area covered in non-CRA village
1.	Soybean	1.2	-
2.	Ragi	0.3	-
3.	China	0.3	-

7. Capacity building

S. No.	Details of the Program	No. of events	Male	Female	No. of Beneficiaries
1.	Training programs	21	556	111	667
2.	Field Days	16	108	37	145
3.	Exposure visits/Travelling Seminars	4	209	79	288
Total		41	873	227	1100

8. Crop Residue Management

Particulars	Quantity
Bio char production	00.0
Straw bale formation	800 q
Spray of Pusa waste decomposer	25 acre
Substrate used for Mushroom production	10 q

9. Technology Spread

S. No.	Crop	Technology Intervention	Area (ha) in CRA Village	Area (ha) in Non CRA Village
1.	Paddy	DSR	98	30
2.		Line Transplanting	227	200
3.		Alternate Wetting & Drying	80	-
4.		Water Harvesting & Field Bunding	40	100
5.		INM/Nutrient Expert	55	100
6.	Soybean	Raised bed	-	-
7.		Community Irrigation	20	-
8.	Wheat	ZTD	309	254
9.	Wheat	Happy seeder	126	-
10.	Wheat	INM	21	20
11.	Lentil	ZTD	25	-
12.	Chickpea	ZTD	25	-
13.	Mustard	Line sowing	75	-
14.	Lathyrus	ZTD	10	-
15.	Potato	Raised bed	5	-
16.	Maize	Raised bed	5	-
17.	Moong	ZTD	250	-

10. Available machineries

S. No.	Name of machinery	Quantities (Nos)
1	Happy Seeder	02
2	Zero Till Drill	02
3	Raised Bed Planter	01
4	S/P Weeder	01
5	S/P Reaper	01
6	Combine Harvester	01
7	Drum Seeder	02

8	Tractor	01
9	Trailer	01
10	T/D Sprayer	01
11	Baler	01
12	Hay Rake	01
13	Paddy Thresher	01
14	Multi crop Planter	01

B. Long-Term Cropping System Experiments

GPS Coordinate of the Experiment: Latitude- 25.453778, Longitude- 85.719298

A. Economics of Long Term Experiment (Kharif-2023)

Adopted Cropping Systems		Kharif		Rabi		Summer	
		Variety	Productivity (q/ha)	Variety	Productivity (q/ha)	Variety	Productivity (q/ha)
1	Paddy -Potato-Cowpea	R Sweta	47.4	K Pukhraj	184.0	CP-6	40.0
2	Paddy- Potato-Moong	R Sweta	50.2	K Pukhraj	178.0	Sikha	6.8
3	Paddy-Lentil-Onion	R Sweta	50.0	IPL 316	17.0	NHRDF Red 3	55.2
4	Maize-Wheat-Moong	P 3378	34.2	DBW 187	48.1	Sikha	6.8
5	Paddy-Mustard-China	R Sweta	48.2	RH 725	13.5	Local	6.8
6	Ragi-Chickpea-Blackgram	A 404	11.4	Sabour Chana 1	11.5	Local	Crop failed
7	Paddy-Lathyrus-moong	R Sweta	48.0	Ratan	15.5	Sikha	6.8
8	Paddy-Pea-Sesamum	Snow White	7.5	IPFD10-12	6.0	Snow white	-
9	Paddy-Wheat-Dhaincha	R Sweta	45.5	DBW187	48.1	Local	Green manure
10	Paddy-Wheat-Moong	R Sweta	43.0	DBW187	44.8	Sikha	6.6

B. Sowing Status of Long Term Experiment (Rabi 2023-24)

Plot No.	Name of Rabi Season Crops	Name of Intervention	Sowing Status (Yes/No)	Date of Sowing
1	Potato (UC map)	Raised bed	Yes	01.12.2023
2	Potato (UC map)	Zero tillage	Yes	02.12.2023
3	Lentil (IPL 316)	Zero tillage	Yes	08.11.2023
4	Wheat (HD 2967)	Zero tillage	Yes	08.11.2023
5	Mustard (RH725)	Zero tillage	Yes	23.11.2023

6	Chickpea (Sabour Chana 1)	Zero tillage	Yes	08.11.2023
7	Lathyrus (Ratan)	Zero tillage	Yes	24.11.2023
8	Pea (IPFD 10-12)	Zero tillage	Yes	08.11.2023
9	Wheat (HD 2967)	Zero tillage	Yes	24.11.2023
10	Wheat (HD 2967)	Conventional	Yes	24.11.2023

C. Best five original photographs



Laser land levelling



Soyabean cultivation



Drone demonstration



AWD



Zero tillage mustard



Bale making-Crop Residue management



Potato cultivation-Zero tillage



Paddy crop cutting

45. A. सामुदायिक रेडियो स्टेशन

Name of CR:	Community Radio Station, Barh, Patna
Frequency:	91.2 Mhz
Establishment Date:	31 st May 2011
Total hours of transmission in a day:	07 hrs
Coverage Area:	20 km Ariel distance

(B) प्रसारित होने वाले कार्यक्रम :-

क. सं.	संचालित कार्यक्रम	प्रसारण अवधि (मिनट)
1	कृषक मंच	01 घंटा
2	महिला जगत	01 घंटा
3	स्वास्थ्य चर्चा	45 मिनट
4	बाल मंच	15 मिनट
5	लोक रंग	30 मिनट
6	हिन्दुस्तान उर्वरक द्वारा प्रायोजित कार्यक्रम	30 घंटा
7	कृषक मंच (प्राकृतिक खेती)	01 घंटा
8	महिला जगत	01 घंटा
9	स्वास्थ्य बान	30 मिनट
10	लोक रंग	30 मिनट

46. Poshan Saptah, 2023

KVK	Date	No. of Angwandi Workers	No. of Farm Women & Jeevika Didi	Others	Total Participants
KVK, Barh	1-7.07.2023	24	58	114	196
Total		24	58	114	196

47. Good quality action photographs with caption in JPEG FORMAT SEPARATELY of overall achievements of KVK during the year (best 10)



Viksit Bharat Sankalp Yatra



Stall visit of Agril. Minister at Sonepur Mela



Establishment of Nutri garden in School (NARI)



Crop Cutting under CRA



Millet Recipe Contest



Drone Demo at KVK Farm



Azolla Demo Unit



Celebration of World Environment Day



PM Live Telecast



SAC Meeting