Dr. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, SAMASTIPUR (BIHAR)



ANNUAL REPORT

2023



KRISHI VIGYAN KENDRA NARKATIAGANJ (WEST CHAMPARAN)

Dr. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, SAMASTIPUR (BIHAR)

ANNUAL REPORT - 2023

KRISHI VIGYAN KENDRA NARKATIAGANJ (WEST CHAMPARAN)

Compiled and Edited By:

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SMS (Crop Production)

Published By: Krishi Vigyan Kendra, Narkatiaganj (West Champaran) Dr. RAJENDRA PRASAD CENTRAL AGRICULTURAL UNIVERSITY, PUSA, SAMASTIPUR (BIHAR)

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

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	Tele	phone	E Mail	
Name and address of KVK	Office	FAX	E-Mail	
Krishi Vigyan Kendra,	6287797161	_	head.kvk.narkatiyaganj@rpcau.ac.in	
Narkatiaganj, West Champaran				
Pin: 845455				
		Facebook	Krishi Vigyan Kendra West	
			Champaran-II	
		WhatsApp's	6287797161	

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

Name and address of Host	Telephone		E mail
Organization	Office	FAX	E IIIali
DRPCAU, Pusa, Samastipur- 848125, Bihar	06274-240226	06274-240255	vc@rpcau.ac.in

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

Nama	Telephone / Contact				
Name	Residence	Mobile	Email		
Dr RP Singh	-	9532460717	head.kvk.narkatiyaganj@rpcau.ac.in		

1.4. Year of sanction of KVK with council order No. and date: 2019

1.5. Year of start of KVK: 2019

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

Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/ probation	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr RP Singh	Senior Scientist and Head	Plant Pathology	Rs.131400-217100 with present basic: Rs.143600.00	19/09/2020	Permanent	Others
2.	Subject Matter Specialist	Dr. Bhushan Kumar Singh	Subject Matter Specialist	Animal Science (Veterinary Science)	Rs 56100-177500 with present basic: Rs. 59500.00	07/03/2022	Permanent	OBC
3.	Subject Matter Specialist	Dr. Abhik Patra	Subject Matter Specialist	Crop Production (Soil Science)	Rs 56100-177500 with present basic: Rs. 59500.00		Permanent	Others
4.	Subject Matter Specialist	Dr. Pankaj Malkani	Subject Matter Specialist	Agril. Engg.	Rs 56100-177500 with present basic: Rs. 59500.00		Permanent	Others
5.	Subject Matter Specialist	Vacant						
6.	Subject Matter Specialist	Vacant						
7.	Subject Matter Specialist	Vacant						
8.	Programme Assistant	Vacant						
9.	Computer Programmer	Vacant						
10.	Farm Manager	Vacant						
11.	Accountant / Superintendent	Vacant						
12.	Stenographer	Vacant						
13.	Driver	Filled	Driver (Bolero/Jeep)	M. Sc. Physics, MBA	Rs. 21700-69100/- with present basic pay: Rs. 23800/-	10/03/2021	Permanent	Others (EWS)
14.	Driver	Filled	Driver (Tractor)	B. Com.	Rs. 21700-69100 with present basic pay: Rs. 23800/-	01/03/2021	Permanent	OBC
15.	Supporting staff	Filled	Supporting staff	Graduate	Rs. 18000-56900/- with basic pay: Rs. 19700/-	27/02/2021	Permanent	OBC
16.	Supporting staff	Filled	Supporting staff	Graduate	Rs. 18000-56900/- with basic pay: Rs. 19700/-	27/02/2021	Permanent	OBC

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)	Name of infrastructure
1	Under Buildings	1.25	Administrative Building, Farmers Hostel
			and Godowns
2.	Under Demonstration Units	0.25	Poultry Unit, Azolla, Vermicompost and
			solar system
3.	Under Crops	16	
4.	Orchard	-	
5.	Agro-forestry	1.00	
6.	Others with details	0.20	Pond
	Total	18.7	

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Functional/ non- functional*	Source of funding
1.	Administrative Building	Yes				\checkmark			ICAR-ATARI, Patna
2.	Farmers Hostel	No				\checkmark			ICAR-ATARI, Patna
3.	Staff Quarters (6)	No							
4.	Piggery unit	No							
5	Fencing	Old wire fencing almost damaged. Needs to be constructed							
6	Rain Water harvesting structure	No							
7	Threshing floor	Yes. Old needs to be repaired						Yes	
8	Farm godown	Old						Yes	
9.	Dairy unit	No							
10.	Poultry unit	Yes (Temporarily in old godown)							

11.	Goatry unit	No				
12.	Mushroom Lab	No				
13.	Mushroom production unit	No				
14.	Shade house	No				
15.	Soil test Lab	No				
16	Others, Please Specify	Vermi-compost				ICAR-ATARI, Patna

7

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

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero	2020	755309.00	70956 km	Good
Bike	2020	50666.00	15024 km	Good
Scooty	2020	50248.00	4563 Km	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund				
a. Lab equipment : There is no lab equipment								
b. Farm machinery :								
Bud Chipping Machine	2023	2500	Working	ICAR-ATARI, Patna				
c. AV Aids								
Public Address system	2023	24,600	Functional	ICAR-ATARI,				
				Patna				
Multi Media Projector	2023	38,000	Functional	ICAR-ATARI,				
				Patna				

D) Farm implements

Name of implements	Year of purchase	Cost (Rs.)	Present status	Source of fund
Tractor	2020	702856.64	Good	ICAR
Tractor	2021	-	Good	CRA project
Disc plough	2021	-	Good	CRA project
Tractor Trolley	2021	-	Good	CRA project
Happy seeder (2 nos)	2021	-	Good	CRA project
Cultivator	2021	-	Good	CRA project
Laser leveler	2021	-	Good	CRA project
Rotavetor	2021	-	Good	CRA project
Multicrop planter (2 nos.)	2021	-	Good	CRA project
Reeper-cum-binder	2021	-	Good	CRA project
Zero tillage machine	2021	-	Good	CRA project
Drum seeder (9 nos.)	2021	-	Good	CRA project

1.8. Details SAC meeting* conducted in the year

Date	Number of Participants	Total statutory member present (State line dept.)	Salient Recommendations	Action taken	If not conducted, state reason
22/08/2023	42	8	Project proposal submission under TSP programme	Proposed project was submitted to DEE, RPCAU, Pusa on 27/09/2023.	
			Agro mobile advisories should be circulated after prier information to DEE, RPCAU, Pusa.	Agro mobile advisories are circulating only after giving information and getting publication number from DEE, RPCAU.	
			Collection of soil sample data from working areas of KVK, Narkatiaganj.	33 Soil samples from Bagaha block sent to RPCAU for testing and 2300 samples from Ramnagar block were made available for Harinagar Sugar Mill for the testing.	
			Submission of projects to the NABARD for the KVK, Narkatiaganj.	Project prepared for the financial year 2024-25 as discussion with DDM. NABARD.	

		9
Preparation of comparative chart with crop productivity data of KVK, Narkatiaganj in comparison to the productivity of state and national.	Comparative chart prepared and incorporated in the KVK- at a glance.	
Preparation of a display board for the different activities of KVK, Narkatiaganj for displaying in front of KVK office.	Display board for different activities of KVK, Narkatiaganj was displayed in front of the office.	
Promotion of Nano-Urea through training and kisan goshthi.	Nano-Urea is promoting through different training programmes and kisan goshthies and also an OFT is conducted on application of Nano-Urea on Paddy.	
Signing of MOUs with NABARD funded NGOs.	In process since any MOUs will under signed by DEE, RPCAU.	
Study on constraints in adoption of micro-irrigation techniques and possibilities of refinements.	Study is under process.	
Timely sending of quality seeds to DOS, Dholi.	Seeds of paddy 364q, non seed paddy 53.55q, Dhaincha 0.71q and Ragi 4q were timely sent to the DOS, Dholi.	
Promotion of DSR in paddy and procurement of ratoon management device from SRI, Pusa.	02 trainings on DSR was conducted and an OFT on DSR was also conducted. For procurement of RMD from SRI, letter sent on dated- 12/10/2023, vide letter no 279/KVK, Narkatiaganj.	
Promotion of STT for preventing red rot disease in sugarcane.	STT plants were distributed under FLD for 10 farmers and under SCSP programme for 25 farmers and training was conducted on STT.	
Organizing of regular training programme on appropriate use of weedicides.	Total 04 training programmes were organized for 118 farmers	
Preparation of KVK-at a glance.	Prepared and inaugurated by Honb'le V.C., RPCAU, Pusa.	
Sending of five important problems of different disciplines to the university for working on A.I.	Five problems of different disciplines were sent to university.	

* 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)

Sl. No.	Items	Information
1	Major Farming system of the district	Agriculture + Livestock, Agriculture + Poultry, Agriculture + Fisheries, CropProduction + Vegetable Production, Agriculture + Poultry + Fish farming, Agri.+ Goat rearing
2	One district one product (NITI Ayog)	Sugarcane based products
2	Agro-climatic Zone	Zone-I (North West Alluvial Plain Zone)
3	Agro ecological situation	Hot Sub-humid (moist), Eco-sub region
4	Soil type	Sandy loam, Coarse sandy loam, Fine sandy loam and loamy soil
5	Productivity of major crops of districts	
	Paddy	<u>60499 MT</u>
	Wheat	<u>214663 MT</u>
	Pulse	<u>27.69 MT</u>
	Oilseed	<u>37.70 MT</u>
	Veg. (name)	
	Fruit (Name)	
	Others	
	Enterprises	
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like, , etc.	
	milk	<u>498 MT</u>
	egg	
	meat	

Note: Please give recent data only

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

S1.	Name of	Name of the	Name of the	Major crops	Major problems identified (cron-wise)	Identified Thrust
No.	Taluk	block	villages	& enterprises	Major problems dentified (crop-wise)	Areas
	Narkatiaganj	Narkatiaganj	Samhauta	Sugarcane, Rice, Wheat and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Narkatiaganj	Sugarcane, Rice, Wheat and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Ajauaa	Sugarcane, Rice, Wheat and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Barnihar	Sugarcane, Rice, Wheat and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
	Bagha	Bagha-2	Santpur	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Rampuwa harijan tola	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Jhanduaatola	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Bairagi Sonbersa	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Gurwaliya	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of improved variety, Low socio- economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
		Bagha-1	Salha	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
		Bagha-1	Rajwatia	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
		Gaunaha	Hardi	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
		Ramnagar	Sonebersa	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Katsikari	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization
			Harpur	Sugarcane, Rice, Wheat, Oilseed and Vegetables	Lack of knowledge about improved variety, Low socio-economic status, lack of farm mechanization	Promotion of HYVs and farm mechanization

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

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

Name of village	Block	Action taken for development
Katsikari	Ramnagar	FLD and promotion of intercropping and STT in sugarcane
Barnihar	Narkatiaganj	CFLD and promotion of STT in sugarcane

2.1 Priority thrust areas of KVKs

S.No.	Crop/Enterprises	Thrust Area
1.	Sugarcane	Promotion of HYVs with intercropping and IPM/IDM practices for quality seed production & yield maximization
2.	Rice	Promotion of HYVs and introduction of IPM/IDM strategies
3.	Farm mechanization	Promotion of farm mechanization in cultivation practices of crops for cost and drudgery reduction & yield maximization
4.	Vegetable crops	Introduction of HYVs, INM, IPM and IDM strategies
5.	Drudgery reduction	Promotion of weed management tools, maize sheller, groundnut decorticator (sitting type) etc.
6.	Rabi pulses	Promotion of HYVs of rabi pulses for nutritional security
7.	Oilseed crops	Promotion of HYVs, INM, IPM and IDM strategies
8.	RCT	Promotion of Resource Conservation Technology
9.	Livestock	Raising productivity of livestock by upgrading the genetic potential by artificial insemination and use of mineral mixture, disease
		and parasitic control, proper feeding and management
10.	Kitchen gardening	Kitchen gardening for production of nutritional food by women farmers
11.	IFS	Promotion of IFS for income generation and nutritional security
12.	Orchard management	Promotion of IPM, IDM and INM practices in mango, litchi etc. orchard
13.	Hygienic produce production	Promotion of use of bio-fertilizers, bio-pesticides and organic manures

3. <u>TECHNICAL ACHIEVEMENTS</u>

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

				0	FT														FLI)							
			No. of	f techn	ologies	s test	ed:									1	No. of	techno	ologies	s demo	onstra	ted:					
Nur	nber of OF1	ſs			N	Jumb	er of	f farm	ers					Numb	er of FLDs					Nu	mber	of fa	rmers				
							A	chieve	ement													Achi	evemei	nt			
Target	Achieve	ment T	Target	S		S	Г	Oth	ners		Тс	otal	Та	arget	Achieveme	nt	Targ	et	SC		ST		Othe	rs	Γ	otal	
				Μ	F	Μ	F	Μ	F	Μ	F	7 7	Γ						М	F I	Μ	F	Μ	F	Μ	F	Т
8	8	53	3	0	0	0	4	49	0	49	4	53	4		4		72		7	30	8	2	24	1	37	33	72
					Fraining	g													Ex	tension	activit	ies					
						0																					
Numbe	r of Courses				N	lumbe	r of P	articipa	ints					N a	lumber of activities]	Number	r of pa	articipant	s			
	Achievemen							Ach	ieveme	ent					Achiev					-		Ac	chieveme	nt			
Target	t	Tar	rget	M	SC E		ST	F	Other	rs		Tota	l T	Targe	et ement	Targ	et	S			ST	г	Otł	ners		•	Total
100	102	2500		441	671	22	/1 24 ·	F 30 1	M 39	г 156	208	F 848	2923	450	480	2000	0 7	M 310	3238	285	5 51	Г 0	M 16157	67	1 N	1	<u> </u>
100	102	2000			0,1			4	1	100	3	0.10				2000			0200	0			10107	7	26 31 7	104	65 36782
285 1	42 427	58.07963	3 273	248	119)																					
		Ir	npact o	of capa	city bı	ıildiı	ng]	Impac	ct of E	xtensi	on ac	tivitie	s					
Nun	nber of Parti trained	cipants	N	umber entrep	of Trai	inees / eng	got	emplo l as sk	oymer tilled i	nt (sel manp	lf/ wa	ige/	Nu	mber of atte	f Participants ended]	Numb en	er of p	articip neur/ e	ants g	got ei ed as	mployn skilled	nent man	(self/	wage/ r)	
Tarr	at A 1		S	SC I	S	Γ	0	thers		Ī	Total	,	T	aat	Ashi	ant	S	С	S	Т	Ot	hers			Tot	al	
Targ	ei Aci	nevement	Μ	F	М	F	Μ	F	Ν	Ν	F	Т	1 ar	get	Acmeveme	ent	Μ	F	Μ	F	Μ	F	FN	I	F	Т	
420	427		75	24	40	3	95	5 11	1 2	10	38	248	6500		6874		155	33	57	6	380	1	9 59	2	58	65	0

Seed production (q)	Planting material (in numbers)
---------------------	--------------------------------

[1	1	1	I	1
Target (Crop and variety)	Achievement (q)	Sold (q)	Target (crop and variety)	Achievement	Sold (number)
180 (Wheat DBW – 187)	109	109	Cauliflower (Hybrid)	1900	1900
Alsi (JLS $-$ 95 and JLS $-$ 66)	1.17	1.17	Cabbage (Hybrid)	650	650
Sugarcane (Rajendra Ganna -1 and CoP – 9301)	1099.6	1099.6	Tomato(Hybrid)	1910	1910
Ragi (Rajendra Madua – 1 and Rajendra Madua – 8)	4.0	4.0	Brinjal (Hybrid)	795	795
2.0 (Dhaincha)	0.71	0.71	Chilli (Hybrid)	1750	1750
280 (Paddy Rajendra Mahsuri – 1)	364	364	Onion(Mahalakshmi Nashik, Divyashakti, Ratnamali, N-53)	131130	131130
			Others (Ridge gourd, Bottle gourd)(Hybrid, N-shivani)	331	331
			Papaya(Red Lady)	171	171
			Custard Apple	140	140
			Black Berry	70	70
Total	1478.48 q	1478.48 q	Grand Total	138847	138847

Livestock strains (in no's) and fis	h fingerlings produced (in lakh)*	Soil, water, plant, manur	es samples tested (in lakh)
Target	Achievement	Target	Achievement
		0.023	0.023

* Give no. only in case of fish fingerlings

3.2 ACHIEVEMENTS ON TECHNOLOGIES ASSESSED AND REFINED (OFT)

3.2. 1 Technology Assessed by KVK (Discipline wise)

Α	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	(reemology mer ventions)		
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management	1	3	6
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	1	7	7
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization	1	7	5
18	Others	2	12	10
	Total	5	29	28
В	Technologies assessed under various crops (Hort crops,)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management	1	3	7
4	Integrated Crop Management			

				16
5	Integrated Disease Management			
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Post-harvest Technology / Value addition			
10	Others if any specify			
	Total	1	3	7
С	Technologies assessed under livestock & Fisheries by KVKs			
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease & Health Management			
2	Breeding management/Evaluation of Breeds			
3	Feed and Fodder management	1	10	03
4	Nutrition Management	1	10	03
5	Production and Management			
6	Processing and Value addition			
7	Fisheries management			
8	Others (waste, ITK etc)			
	Total	2	20	06
D	Technologies assessed under miscellaneous			
	enterprises by KVKs	No. of to also do a final a sec	N 6 4	No. of loss from a
	I nematic areas	No. of technologies (lechnology 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			
E	Technologies assessed under various enterprises			
	for woman ann average ant			
1	for women empowerment			
	Thematic areas	No. of technologies (Technology	No. of trials	No. of locations
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Thematic areas Drudgery Reduction	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1 2	Thematic areas Drudgery Reduction Entrepreneurship Development	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1 2 3	Tor women empowerment Thematic areas Drudgery Reduction Entrepreneurship Development Health and Nutrition	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1 2 3 4	Ior women empowerment Thematic areas Drudgery Reduction Entrepreneurship Development Health and Nutrition Value Addition	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1 2 3 4 5	Tor women empowerment Thematic areas Drudgery Reduction Entrepreneurship Development Health and Nutrition Value Addition Others	No. of technologies (Technology Interventions)	No. of trials	No. of locations

3.2.2 OFT (All discipline)

- Thematic area: Nutrient management
- Problem definition/Name of OFT: Excessive use of chemical fertilizer and spiralling price of urea leads to increase in cost of cultivation

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen Use Efficiency in Wheat (Triticum
		aestivum)
2.	Problem diagnosed	Excessive use of chemical fertilizer and spiraling price of urea
		leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement	Technological Options: Technology Details
	(Mention either Assessed or Refined)	
		Farmers practice: RDF (N:P:K :: 100:40:20 kg ha ⁻¹)

		TO1: 50% of RDN and 100% PK + nano urea @ 4 ml lt ⁻¹ water (single spray at 35 DAS)
		TO2: 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS) and (60-65 DAS) @ 4 ml lt^{-1} water
		(Timely sown variety of BAU Sabour. BAU Ranchi and RPCAU, Pusa, ICAR RCER, Patna)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	House of the OFT finalization workshop, BAU, Sabour
5.	Production system and thematic area	Crop production (improvement of nitrogen use efficiency)
6.	Performance of the Technology with performance indicators	 Soil data before and after (pH, EC, OC, NPK,), Yield data No. of effective tillers/ m² 1000 grain wt. Spike wt. Straw yield Economics
7.	Final recommendation for micro level situation	An on-farm trial for studying the nitrogen use efficiency of fertilizers in wheat crop was conducted in 7 different locations in West Champaran district of Bihar. The result showed that the maximum effective tillers/m ² (182), test weight (41.2 g), spike weight (2.31 g) was recorded more in farmers practice: RDF (100:40:20) kg/ha however, the differences were not significant when compared to TO2: 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS) and (60-65 DAS) @ 4 ml lt ⁻¹ water. The grain yield and straw yield of wheat showed the similar result. After consideration of economics analysis, it was found that farmers practice resulted in the highest B:C ratio (2.35) due the higher labour cost for foliar fertilization than broadcasting of urea. Although yield and economic benefits were also not availed by using nano-urea, sporadic availability and subsequent hike in price of urea granules enhances the cost of cultivation in farmers practice. In addition, timely availability of nano-urea could help

_			
			the farmers particularly during peak season of wheat. Moreover, subsidy on urea granule is hidden fact which is not taken into consideration during the economic analysis which surely could made the spraying of nano-urea economically viable. Therefore, application of recommended dose of fertilizer (N:P:K :: 100:40:20 kg ha ⁻¹) may be the best option for the of wheat production in Rabi season.
	8.	Constraints identified and feedback for research	High labour cost for the nano urea spraying operation
	9.	Process of farmers participation and their reaction	Training and field day

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

Thematic area	Technology options with detailed	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield	Cost of cultivation	Gross return (Rs/ha)	Net return	BC ratio
	treatments	Proposed	Actual	(q/ha)	(Rs./ha)		(Rs./ha)	
Nutrient	Farmers practice:	0.07	0.07	46.2	41814	98205	56391	2.35
management	RDF (N:P:K ::							
	100:40:20 kg ha ⁻¹)							
	TO1: 50% of RDN	0.07	0.07	41.7	39215	88582	49367	2.26
	and 100% PK + nano							
	urea @ 4 ml lt ⁻¹ water							
	(single spray at 35							
	DAS)							
	TO2: 50% of RDN	0.07	0.07	44.6	41052	94775	53723	2.31
	and 100% PK + 2							
	sprays of nano urea at							
	(35 DAS) and (60-65							
	DAS) @ 4 ml lt^{-1}							
	water							

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



- Thematic area: Nutrient management
- Problem definition/Name of OFT: Excessive use of chemical fertilizer and spiralling price of urea leads to increase in cost of cultivation

1.	Title of On farm Trial (OFT)	Improvement of Nitrogen use efficiency in Rice (<i>Oryza</i> sativa)
2.	Problem diagnosed	Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost of cultivation
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Technological Options: Technology Details
		Farmers practice: RDF (N:P:K :: 100:40:20 kg ha ⁻¹)
		TO1: 50% of RDN and 100% PK + nano urea @ 4 ml lt^{-1} water (single spray at 35 DAS)
		TO2: 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS) and (60-65 DAS) @ 4 ml lt^{-1} water
		(Timely sown variety of BAU Sabour. BAU Ranchi and RPCAU, Pusa, ICAR RCER, Patna)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	House of the OFT finalization workshop, BAU, Sabour
5.	Production system and thematic area	Crop production (improvement of nitrogen use
		efficiency)

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6.	Performance of the Technology with performance indicators	 Soil data before and after (pH, EC, OC, NPK,), Yield data No. of effective tillers/ m² 1000 grain wt. Panicle wt. Straw yield Economics
7.	Final recommendation for micro level situation	An On-farm trial for studying the nitrogen use efficiency of fertilizers in rice crop was conducted in 7 different locations in West Champaran district of Bihar. The result showed that the highest number of effective tillers/m ² (329), test weight (23.5 g), panicle weight (2.56 g) was recorded more farmers practice: RDF (100:40:20) kg/ha however, the differences were not significant when compared to TO2: 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS) and (60-65 DAS) @ 4 ml lt ⁻¹ water. The grain yield and straw yield of wheat showed the similar result. After consideration of economics analysis, it was found that farmers practice resulted in the highest B:C ratio (2.33) due the higher labour cost for foliar fertilization than broadcasting of urea. Although yield and economic benefits were also not availed by using nano-urea, sporadic availability and subsequent hike in price of urea granules enhances the cost of cultivation in farmers practice. In addition, timely availability of nano- urea could help the farmers particularly during peak season of rice. Moreover, subsidy on urea granule is hidden fact which is not taken into consideration during the economic analysis which surely could made the spraying of nano-urea economically viable. Therefore, application of recommended dose of fertilizer (N:P:K :: 100:40:20 kg ha ⁻¹) may be the best option for the of wheat production in Kharif season.

8.	Constraints identified and feedback for research	High labour cost for the nano urae spraying operation
9.	Process of farmers participation and their reaction	Training and field day

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

Thematic area	Technology options with detailed	Area (ha in crop Fodder)/ Nos (in) & livestock)	Yield	Cost of cultivation	Gross return (Rs/ha)	Net return	BC ratio
	treatments	Proposed	Actual	(q/ha)	(Rs./ha)		(Rs./ha)	
Nutrient	Farmers practice:	0.07	0.07	44.1	41405	96277	54871	2.33
management	RDF (N:P:K ::							
	100:40:20 kg ha ⁻¹)							
	TO1: 50% of RDN	0.07	0.07	41.9	42556	91415	48859	2.15
	and 100% PK + nano							
	urea @ 4 ml lt ⁻¹ water							
	(single spray at 35							
	DAS)							
	TO2: 50% of RDN	0.07	0.07	43.3	43602	94416	50815	2.17
	and 100% PK + 2							
	sprays of nano urea at							
	(35 DAS) and (60-65							
	DAS) @ 4 ml lt^{-1}							
	water							

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



- Thematic area: Integrated Pest Management
- Problem definition/Name of OFT: 1. Plant Protection

1.	Title of On farm Trial (OFT)	Assessment of management practices for red banded caterpillar in mango
2.	Problem diagnosed	Low yield of mango due to severe infestation of red banded caterpillar
3.	Details of technologies selected for assessment/ refinement (Mention either Assessed or Refined)	F.P.: Spray of Chlorpyriphas as and when symptoms appears. TO ₁ : Collection and destruction of all fallen fruits, Spray of Deltamethrin 0.0028 % (2.8%EC) @ 1ml/lit at marble size and repeat after two weeks TO ₂ : Two Sprays of Thiacloprid 21.7 SC 0.04 % (@ 2ml/lit) at 25-30 days intervals
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	Proceeding of OFT finalization workshop on Agronomy/Soil Science for KVKs Bihar and Jharkhand (Zone-IV) held during 29- 30 September, 2022
5.	Production system and thematic area	Insect pest Management
6.	Performance of the Technology with performance indicators	 Reduction % in pest population Number of damaged fruits/100 randomly selected shoot Economics

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7.	Final recommendation for micro level situation	Red banded mango caterpillar (RBMC) is a serious threat in the mango growing areas of West Champaran district. The treatment (T1) where collection and destruction of all fallen fruits, spray of Deltamethrin 0.0028 % (2.8%EC) @ 1ml/lit at marble size and repeat after two weeks was used, and registered minimum infostation and highest pat returns & henefit cost ratio of 5.82
8.	Constraints identified and feedback for research	The main factors limiting mango production and productivity were illnesses, insect pests, bird damage, expensive inputs, lack of expertise, and inaccessibility of high-quality pesticides, hormones, and improper orchard management. High labour costs and a lack of high volume spraying machines in the area were also noted as barriers. Throughout the study period, other issues included middlemen taking advantage of mango growers, a lack of government effort in loan funding and subsidy granting, and a lack of cooperation between the growers and the state/district horticulture department
9.	Process of farmers participation and their reaction	Mangos are an essential fruit for domestic consumption and are vital to the community's economy as a source of income for farmers. Based on the study's findings, the following recommendations could be made to help mango growers in the study area produce higher-quality mangos by raising their level of acceptance and expertise. The evaluated technology met the farmer's satisfaction. The farmer is eager to implement the scientific package of techniques for producing mangoes.

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

Technology option	Infestation leve	el	% reduction of	Yield	Cost of	Gross	Net	BC
	% fruit	% fruit	fruit	(q/ha)	cultivation	return	return	ratio
	infestation at	infestation at	infestation		(Rs. /ha)	(Rs/ha)	(Rs. /ha)	
	early stage	harvest stage	over control					
Farmers Practices: - Spray	24 %		-	75	88000		174500	2.98
of chlorpyriphos as and when		55 %				262500		
symptoms appear								

TO ₁ : Collection and destruction of all fallen fruits, Spray of Deltamethrin 0.0028 % (2.8%EC) @ 1ml/lit at marble size and repeat after two weeks	08 %	14%	78%	202	121500	707000	585500	5.82
TO ₂ : Two Sprays of Thiacloprid 21.7 SC 0.04 % (@ 2ml/lit) at 25-30 days intervals	12 %	20 %	64%	135	97600	472500	374900	4.84
SEM (±)					-	-	-	-
CD (5%)					-	-	-	-

Please provide all the OFTs in same format Photographs in jpg. (Attach separately also with captions); Variety: Danka, Rate: Rs 3500/qt.





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2. Plant Protection DisciplineB. Results with Table and good quality photographs in jpg.

Thematic area: Integrated Disease Management Problem definition/Name of OFT: Plant Protection

1	Title of On Farm Trial	Assessment of technology for red rot management in sugarcane
2	Problem Diagnose	Lower yield and poor crop establishment in sugarcane due to severe incidence of red
		rot
3	Details of Technologies selected for	Farmers Practice: Carbendazim 50% WP @ 2 g/lit of water spray on cane set
	assessment/refinement	TO-I: Sett treatment with <i>Trichoderma viride</i> (tv 1) @ 4 g/l and <i>Pseudomonas</i>
		fluorescens @ 10 g /lit
		of water for 10 minutes
		TO-II: Azoxystrobin 18.2%+Difenoconazole 11.4% SC @ 1 ml /lit of water 2-3 spray
		at 15 days interval from July
4	Source of Technology	Proceeding of OFT finalization workshop on Agronomy/Soil Science for KVKs Bihar
		and Jharkhand (Zone-IV) held during 29-30 September, 2022
5	Replication	06
7	Production System & Thematic Area	Sugarcane and integrated disease management (IDM)
8	Performance of Technology with performance	1. % disease reduction 2. no. of tillers 3. no. of cane/10 sqm 3. wt. of per cane 4. length
	indicator	of cane 5. yield (q/ha) 6. BCR.

Thematic area	Technology options with detailed treatments	Area (ha in crop & Fodder)/ Nos (in livestock)		Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		Proposed	Actual					
Integrated	Farmers Practice: Carbendazim 50% WP @ 2 g/lit							
Disease	of water spray on cane set							
Management	TO-I: Sett treatment with <i>Trichoderma viride</i> (tv 1)	Crop is in st	anding posi	tion, resu	ilts awaited.			
	@ 4 g/l and Pseudomonas fluorescens @ 10 g /lit							
	of water for 10 minutes							

TO-II: Azoxystrobin 18.2%+Difenoconazole 11.4%	
from July	





OFT1 (Agricultural Engineering)

Thematic area: Farm Mechanization (Wheat crop Mechanization)

Problem definition: Labor shortage during peak season and the higher cost of harvesting

Technology assessed:

(Farmer practice): Manual harvesting + threshing using thresher

T.O.1: Wheat cutting using Reaper cum binder + threshing using thresher

T.O.2: Complete harvesting using combine- harvester

1.	Title of On farm Trial	Assessment of appropriate wheat harvest technology to farmers practice
2.	Problem diagnosed	Labor shortage during peak season and the high cost of harvesting
3.	Details of technologies	(Farmer practice): Manual harvesting + threshing using thresher
	selected for assessment/refinement	T.O.1: Wheat cutting using Reaper cum binder + threshing using thresher
	(Mention either	T.O.2: Complete harvesting using combine- harvester
	Assessed or Refined)	
4.	Source of Technology	House of the OFT finalization workshop, RPCAU, Pusa
	(ICAR/	
	AICRP/SAU/other, please	and PAU Ludhiana
	specify)	
5.	Production system and	Farm Mechanization (Wheat crop mechanization)
	thematic area	
6.	Performance of the	Cost of operation (Rs/ha)
	Technology with	Field capacity in cutting/harvesting (ha/hr)
	performance indicators	Field efficiency in cutting/harvesting (%)
	-	Crop Yield (kg/ha)
		B:C ratio
7.	Final recommendation for	An On-farm trial was conducted in seven locations in West Champaran district of Bihar to assess the
	micro level situation	effectiveness of different wheat harvesting technologies. Results indicated that field efficiency in

		harvesting was higher with two specific methods: T.O.1, which involves cutting using a Reaper cum binder and a thresher for threshing (80%), and T.O.2, which utilizes a combine harvester for complete harvesting (74%), compared to traditional farmer practices with manual sickle-based harvesting and a thresher for threshing (57.14%). Grain yield was similar across the methods, but harvesting losses were slightly higher with farmers practices. T.O.2 had the highest effective field capacity (0.67 hahr ⁻¹), followed by T.O.1 (0.273 hahr ⁻¹), and then traditional practices (0.008 hahr ⁻¹). The cost of harvesting per hectare was significantly lower with T.O.1 (Rs. 6375) and T.O.2 (Rs. 5000) compared to farmers practice (Rs. 8063). Economic analysis revealed that T.O.2 had the highest benefit-to-cost ratio (2.71), making it more favorable for farmers, but it is recommended for farmers with larger land holdings. However, T.O.1 may be more suitable for farmers with medium to large land holdings and who also
		engage in animal husbandry, as cattle in the region consume wheat stubbles.
8.	Constraints identified and feedback for research	Labor shortage during peak season, higher labor cost and higher cost of harvesting
9.	Process of farmers participation and their reaction	Field visit and farmers interaction and feedback Reaction-Acceptability of technology among farmers
		Compatibility in the existing cropping system

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

Technology option	No. of	Yield component		Yield componentYieldFig(q/haeff			Field efficiency	Effective field	Cost of harvestin	Cost of cultivation	Gross return	Net return	BC ratio
	trials	No. of effective tillers/m2	No. of spikelet per panicle	Test wt. (100 grain wt.))	in harvestin g operation	capacity in harvestin g operation (ha/hr)	g operation	(Rs./ha)	(Rs/ha)	(Rs./ha)		
Manual harvesting + threshing using thresher	7	181	2.32	41.2	46.2	57.14	0.008	8063	35528	88110	52852	2.48	

												30
Wheat cutting using Reaper cum binder + threshing using thresher	7	184	2.29	42	46.5	80	0.273	6375	33840	88110	54270	2.603
Complete harvesting using combine- harvester	7	185	2.30	41.7	47	74	0.67	5000	32465	88110	55645	2.71



Manual harvesting using sickle

Wheat cutting using reaper cum binder

Wheat cutting using combine- harvester

OFT2 (Agricultural Engineering)

Thematic area: Drudgery reduction in Sugarcane

Problem definition: Tedious job of sugarcane cutting which increased early human fatique and less setting cutting rate with farmers used sickle

Technology assessed: T.O. I (Farmer practice): Set cutting by traditional chopper

T.O.2: Bud cutting by bud chipping machine

T.O.3: Single node cutting by node cutting machine

1.	Title of On farm Trial	Assessment of different methods of cutting sets of sugarcane for plantation							
2.	Problem diagnosed	Tedious job of sugarcane set cutting which increased early human fatique and lower setting cutting rate							
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	T.O. I (Farmer practice): Set cutting by traditional chopper T.O.2: Bud cutting by bud chipping machine							
4	Source of Technology (ICAD/	I.O.3: Single node cutting by node cutting machine PRCALL Press							
4.	AICRP/SAU/other, please specify)	RPCAU Pusa							
5.	Production system and thematic area	Drudgery reduction in Sugarcane							
6.	Performance of the Technology with performance indicators	Set cutting per hour Germination (%) Crop Yield B:C ratio Ergonomics: - Heart rate (beats/min), Average energy expenditure(kJ/min), and Rest pause time							
7.	Final recommendation for micro level situation								

8. C	Constraints identified and feedback for research	Early labor fatigue due to improper traditional set cutting machine (sickle) and higher sett cutting cost
9. P.	Process of farmers participation and their reaction	Field visit and farmers interaction and feedback Reaction-Acceptability of technology among farmers

Table:

Technology	No. of	Ergo	nomics parame	ter	Rest pause	Yield	Cost of	Gross	Net return	BC
option	trials	Germinatio	Heart	Energy	time (min)		cultivation	return		ratio
		n(%)	rate(Beats/m	expendit		(q/ha)		(Rs/ha)	(Rs./ha)	
			in)	ure			(Rs./ha)			
Bud cutting by										
bud chipping										
machine										
Single node										
cutting by										
node cutting										
machine										
(Farmer										
practice (Set										
cutting by										
traditional										
chopper)										

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Progress of sugarcane treatment at different stages

Results: Result Awaited

- Thematic area: Animal Science
- Problem definition/Name of OFT: Assessment of *Azolla* feeding on milk production in dairy cow

1.	Title of On farm Trial (OFT)	Assessment of <i>Azolla</i> feeding on milk production in dairy cow
2.	Problem diagnosed	Poor availability and high cost of good quality of concentrate feeds. Fodder cultivation practice is poor.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice: Indiscriminate feeding of wheat and paddy straw with concentrate and mineral mixture T.O1: Use of <i>Azolla</i> @ 1.5 kg per animal per day + 80% of required quantity of concentrate with existing fodder T.O2: Use of <i>Azolla</i> @ 2.0 kg per animal per day + 75% of required quantity of concentrate with existing fodder
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR (NDRI)
5.	Production system and thematic area	Dairy Production (Dairy Animal Nutrition)
6.	Performance of the Technology with performance indicators	T.O2 had maximum milk production 17.5% higher thanF.P. while T.O1 was 15% higher then F.P.T.O1&2 had similar 4% increase in fat percent in milk.B:C ratio 1.85 was found highest in T.O2.
7.	Final recommendation for micro level situation	Azolla feeding in dairy cattle @ 2.0 kg per animal per day with 75% of required quantity of concentrate and fodder.
8.	Constraints identified and feedback for research	Growth of azolla in long duration is not even. Identification of different verities of azolla on the basis of agro climatic zones.
9.	Process of farmers participation and their reaction	Training, Method demonstration Field visit and personal communication.

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

Thematic area	Technology options with detailed	Area (ha in crop &Fodder)/ Nos (in livestock)ProposedActual		Yield (Milk)	Cost of cultivation	Gross return (Rs/Cow)	Net return	BC ratio
	treatments			(Kg/Cow)	(Rs./Cow)		(Rs/Cow)	
	(For Sixty Days)							
Dairy Production (Dairy Animal Nutrition)	Farmers Practice: Indiscriminate feeding of wheat and paddy straw with concentrate and mineral mixture	10	10	6.15	11707	14760	3053	1.26
	T.O1: Use of <i>Azolla</i> @ 1.5 kg per animal per day + 80% of required quantity of concentrate with existing fodder	10	10	7.07	9834	16968	7134	1.72
	T.O2: Use of <i>Azolla</i> @ 2.0 kg per animal per day + 75% of required quantity of concentrate with existing fodder	10	10	7.22	9366	17328	7962	1.85

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



- Thematic area: Animal Science
- Problem definition/Name of OFT: Assessment of *Azolla* feeding on milk production in dairy cow

1.	Title of On farm Trial (OFT)	Evaluation of area specific mineral mixture in dairy cattle
2.	Problem diagnosed	Non availability of area specific mineral mixture.
		High cost of generalized commercial mineral mixture.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	 Farmers Practice: Indiscriminate feeding of wheat and paddy straw with concentrate and salt T.O1: Feeding of wheat/paddy straw with concentrate as per requirements with Commercial mineral mixture** @ 50 gm/day/cow. T.O2: Feeding of wheat/paddy straw with concentrate as per requirements with Area specific mineral mixture* (ICAR-RCER, Patna) @ 50 gm/day/cow
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR RCER (Patna)
5.	Production system and thematic area	Dairy Production (Dairy Animal Nutrition)
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6.	Performance of the Technology with performance indicators	T.O2 had maximum milk production 12.00% higher than F.P. while T.O1 was 8% higher then F.P.
		T.O2 had 4% increase while T.O1 had 3.5% increase in fat percent in milk in comparison to F.P
		B:C ratio 1.63 was found highest in T.O2.
7.	Final recommendation for micro level situation	Feeding of wheat/paddy straw with concentrate as per requirements with Area specific mineral mixture* (ICAR- RCER, Patna) @ 50 gm/day/cow
8.	Constraints identified and feedback for research	Commercially non availability of (Swarnamin)Area specific mineral mixture (ICAR-RCER, Patna).
9.	Process of farmers participation and their reaction	Training, Method demonstration Field visit and personal communication.

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

Thematic area	Technology options with detailed	Area (ha in croj Fodder)/ Nos (in) & 1 livestock)	Yield (Milk)	Cost of cultivation	Gross return (Rs/Cow)	Net return	BC ratio
	treatments	Proposed	Actual	(Kg/Cow)	(Rs./Cow)		(Rs/Cow)	
	(For Ninty Days)							
Dairy Production (Dairy Animal Nutrition)	Farmers Practice: Indiscriminate feeding of wheat and paddy straw with concentrate and salt	10	10	6.12	15565	22032	6467	1.41
	T.O1: Feeding of wheat/paddy straw with concentrate as per requirements with Commercial	10	10	7.70	16565	25704	9139	1.55

mineral mixture** @ 50 gm/day/cow.							
T.O2: Feeding of wheat/paddy straw with concentrate as per requirements with Area specific mineral mixture* (ICAR-RCER,Patna) @ 50 gm/day/cow	10	10	7.88	16065	26185	10120	1.63

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



3.3 ACHIEVEMENTS OF FRONTLINE DEMONSTRATIONS (FLD)

A. Overall achievements of FLDs conducted during the year 2023

S.No	Crop category	No. of FLD	Area	No of beneficiaries	Yield in Demo	Yield in check
	Cereals	1	2 ha.	10	42.6	36.4
	Oil Seed					
	Pulses					
	Horticulture Crops					
	Other crops					
	Hybrid crop					
	Livestock	01	100 goat	32	98 (live animals)	61 (live animals)
	Fisheries					
	Other enterprises	1	2 ha.	20	43.8	38.8
	Women empowerment					
	Farm Machinery	1	2ha	10	50.2	49
	Grand Total	4	6ha, 100 goat	69		

B. Details of FLDs conducted during the year 2023

1. Cereals

Creat	Thematic Area	Name of the	No. of	Area	Yield	(q/ha)	%	*Econ	omics of do (Rs./h	emonstrat a)	ion	*]	Economics (Rs./h	of check na)	
Сгор	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat	Cultivation of bio-fortified wheat variety	Wheat variety DBW–187 (2022 – 2023)	10	2	42.6	36.4	17.0	41319.5	96687.5	55368	2.34	37986	82810	44824	2.18
Paddy	Agronomic bio- fortification	Foliar application of Zn at tillering, panicle initiation and pre-flowering stage @ 0.5% Zn (2023)	20	2	43.8	38.8	12.8	38868	95615.4	56747	2.46	37812.6	84700.4	46887.8	2.24
Wheat	Cultivation of bio-fortified wheat variety	Wheat variety DBW–187 (2023 – 2024)	10	2	2 Crop is standing in field and result awaited										

Total								
1 otur								

2. Oilseeds

G		Name of the	No. of	Area	Yield	(q/ha)	%	*Ec	onomics o (Ra	of demonstrat s./ha)	tion	:	*Economi (Rs	cs of check s./ha)	
Crop	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
								Cost	Return	Return	BCR	Cost	Return	Return	BCR
Total															

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

3. Pulses

Creat	There the Arrest	Name of the technology	No. of	Area	Yield	(q/ha)	0/ 1	*Econo	omics of de	emonstration (Rs./ha)		*Econom (R	nics of check (s./ha)	
Стор	I nematic Area	demonstrated	Farmers	(ha)	Demo	Check	% Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

							1
Total							

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

Cron	Thomatic Area	Name of the technology	No. of	Area	Yield	(q/ha)	0/ In an a second	*Econo	omics of d	emonstration (I	Rs./ha)		*Econom (F	nics of check Rs./ha)	
Сгор	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	% Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

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

5. Other crops

Gron	Thomatic area	Name of the	No. of	Area	Yield ((q/ha)	% change	Ot parar	her neters	*Econom	nics of demo	onstration (F	Rs./ha)	*	Economic (Rs.)	s of check /ha)	c .
Сгор	Thematic area	demonstrated	Farmer	(ha)	Demons ration	Check	in yield	Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR

									42
		Γ							
		1							
	Total								

6. Demonstration details on crop hybrid varieties

Cron	Crop Name of the No. of Area Yield (kg/ha					arameter		Economic	s (Rs./ha)	
Сюр	Hybrid	Farmers	(ha)	Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										

<u>Create</u>	Name of the	No. of	Area	Yield (l	(xg/ha) / major p	arameter		Economic	s (Rs./ha)	
Crop	Hybrid	Farmers	(ha)	Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

7. Livestock

Catal	Thematic	Name of the	No. of	No.	Major pa	rameters	% change	Other pa	rameter	*Econ	omics of d (Rs	lemonstra .)	tion	*	Economics (Rs	of check	
Category	area	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Piggery																	

																	44
Sheep and goat	Disease Management	PPR vaccination and Fenbendazole deworming	32	100	Live animal- 98 Mortality- 2 animal	Live animal- 61 Mortality- 39	Mortality rate in demo- 2.00% Mortality rate in check- 39.00 %	-	-	201100	490000	288900	2.43	200000	305000	105000	1.52
Duckery															ſ		
Others (Pl. specify)																	
Total																	



View of Front line demonstartion on PPR vaccination and Deworming

8. Fisheries

																	10
Catalan	Thematic	Name of the	No. of	No. of	Maj param	or eters	% change	Other par	rameter	*Eco	nomics of (R	demonstra s.)	ation	*	Economic (Re	s of check s.)	1
Category	area	demonstrated	Farmer	units	Demons ration	n major Check parameter		Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common																	
carps													ļ			ļ!	
Mussels													ľ				
Ornamental																	
fishes																1	
Others																	
(pl. specify)																	
																l I	
		Total										. <u> </u>					

9. Other enterprises

Catalogue	Name of the	No. of	No.of	Major par	ameters	% change	Other par	rameter	*Econo	omics of de or Rs	monstratio ./unit	n (Rs.)		*Econom (Rs.) o	ics of chec or Rs./unit	k
Category	demonstrated	Farmer	units	Demons ration	Check	parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																

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

10. Women empowerment

Name of technology	No. of demonstrations	Name of technology	Ot	oservations	No. of Beneficiaries
			Check	Demonstration	
Women					
Drudgery Reduction					
Enterprises					
Farming System					
Health and nutrition					
Kitchen Garden					
Nutrigarden					
Storage Technique					
Value addition					
Women Empowerment					
Others					
Total - Women					
Children					
Health and nutrition					
Others					
Total - Children					
Other if any					
Total others					
Grand Total					

11. Farm implements and machinery

	No. of FLDs	Name of the	Cron	Name of the	No. of	Area	Grain (q/h	Yield a)	% Change in	Gross re	turn Rs/ha	and B:C ra	tio	Cost reduction (Rs./ha or Rs./Unit)
		implement	Стор	demonstrated	Farmer	(ha)	Demons ration	Check	major parameter	Demons Ration (Rate 1750)	Check	Demons	Check	Demo
Sowing and planting tools and machineries	1	Manual Rice - wheats seeder	Paddy	Manual rice wheat seeder	10	2	50.2	49	2.44	89858	87710	2.14	1.71	9225

							77
Total Sowing and planting							
Machineries							
Intercultural operation							
tools and machineries							
Irrigation management							
tools and machineries							
Plant protection tools and							
machineries							
Harvesting tools and							
machineries							
Postharvest processing							
tools and machineries							
Total mechanization tools							
and machineries							
Others							
Total of Others							

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	04.07.2023, 18/4/2023 and 30/10/2023	3	101	
2.	Farmers Training	11.05.2023, 7/7/2023, 2/9/2023, 3/10/2023, 5/12/2023 and 12/12/2023	7	65	Manual rice wheat seeder demonstration
3.	Media coverage				
4.	Training for extension functionaries				



Front line demonstartion on Manual rice wheat seeder at farmers field



Data collection under FLD on farmer's field

Technical Feedback on the demonstrated technologies (if any)

Sl. No	Сгор	Feed Back
1	Wheat	Due to late sowing the wheat crop growth performance is hampered and crop – weed competition suppresses the wheat growth
2	Paddy	Due to low and late rainfall causes damage to the early paddy growth and predominant zinc deficiency symptoms appears in the check plots

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

(During Kharif, Rabi and Summer)

1. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety	Existing yield (q/ha)	Yie	ld gap (K w.r.to State	(g/ha) Potential	Name of Variety + Technology	Number of farmers	Area in ha	Yield	obtained (q	/ha)	Y n	vield ga ninimize (%)	ıp ed
		name	7 years	yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	Р
1.	Mustard	Local and	8.20	76.8	118	250	Mustard var.	100	40	17.4	8.6	12.7	65.4	7.63	49.2
	(2022 –	mixed					DRMRIJ-31								
	2023)						(Giriraj) @								
							5 kg/ha,								
							Sulphur @ 5								
							kg/ha, Zinc								
							@ 0.5%								
							foliar, Boron								
							@ 0.2%								
							foliar,								
							Mancozeb,								
							Imidacloprid								
2.	Lentil (2022	Local and	6.7	128	112	160	IPL-316,	50	20	17.8	13.4	15.1	17.9	34.3	5.63
	- 2023)	mixed					PSB,								
							Rhizobium,								
							Mancozeb,								

							Emamectin								
							benzoate								
3.	Chickpea	Local and	5.6	102	105	200	RVG-202,	50	20	16.5	10.2	12.7	24.5	20.9	57.5
	(2022 –	mixed					PSB,								
	2023)						Rhizobium,								
							Mancozeb,								
							Emamectin								
							benzoate								
4.	Lentil (2023	Local and	6.7	128	112	180	IPL-220,	40	16	Crop is st	anding in f	ield and	result av	waited	
	- 2024)	mixed					Rhizobium,								
							Mancozeb,								
							Emamectin								
							benzoate								

2. Economic parameters

S 1			Farmer's Exist	ing plot		Demonstration plot					
No	Variety demonstrated & Technology demonstrated	Gross Cost	Gross return	Net Return	B:C	Gross Cost	Gross return	Net Return	B:C		
110.		(Rs/ha)	(Rs/ha)	(Rs/ha)	ratio	(Rs/ha)	(Rs/ha)	(Rs/ha)	ratio		
1.	Mustard var. DRMRIJ-31 (Giriraj) @ 5 kg/ha,	23645	44690	21045	1.89	27037	69215	42178	2.56		
	Sulphur @ 5 kg/ha, Zinc @ 0.5% foliar, Boron @										
	0.2% foliar, Mancozeb, Imidacloprid										
2.	IPL-316, PSB, Rhizobium, Mancozeb,	19052	40200	21148	2.11	34318	90600	56282	2.64		
	Emamectin benzoate										
3.	RVG-202, PSB, Rhizobium, Mancozeb,	16975	29876	12901	1.76	26994	67754	40760	2.51		
	Emamectin benzoate										
4.	IPL-220, Rhizobium, Mancozeb, Emamectin	Crop is standing in field and result awaited									
	benzoate										

3. Socio-economic impact parameters

S1.	Crop and variety	Total	Produce sold	Selling	Produce	Produce	Purpose for which	Employment
No.	Demonstrated	Produce	(Kg/household)	Rate	used for own	distributed to	income gained	Generated
		Obtained		(Rs/Kg)	sowing (Kg)	other farmers	was utilized	(Mandays/house
		(kg)				(Kg)		hold)
1.	Mustard var.	50800	40640	52.8	3048	7112	To improve the	26/acre demo plot
	DRMRIJ-31						livelihood of the	
	(Giriraj) @ 5						farmer	
	kg/ha, Sulphur							
	@ 5 kg/ha,							
	Zinc @ 0.5%							
	foliar, Boron							
	@ 0.2% foliar,							
	Mancozeb,							
	Imidacloprid							
2.	IPL-316, PSB,	30200	24160	68.6	1812	4228	To improve the	26/acre demo plot
	Rhizobium,						livelihood of the	
	Mancozeb,						farmer	
	Emamectin							
	benzoate							
3.	RVG-202,	25400	20320	64.2	1524	3556	To improve the	26/acre demo plot
	PSB,						livelihood of the	
	Rhizobium,						farmer	
	Mancozeb,							
	Emamectin							
	benzoate							
4.	IPL-220,	Crop is standi	ng in field and result awa	aited				
	Rhizobium,							
	Mancozeb,							
	Emamectin							
	benzoate							

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

S1.	Technologies			Far	mers' Perception	parameters	
No.	demonstrated	Suitability to	Likings	Affordability	Any negative	Is Technology	Suggestions, for
	(with name)	their farming	(Preference)		effect	acceptable to all in the	change/improvement, if any
		system				group/village	
1.	Mustard var.	Sugarcane is	Due to	Can afford	Aphid	The farmer was	Short duration high yielding
	DRMRIJ-31	the main crop	drought,		infestation	satisfied with the	and fertilizer responsive
	(Giriraj) @ 5	for the	farmers want to		during	technology	variety
	kg/ha,	farmers.	take oilseed		flowering	transferred. The	
	Sulphur @ 5	Farmers are	crops in early		stage	farmer is enthusiastic	
	kg/ha, Zinc @	tried to	season i.e.			to adopt the	
	0.5% foliar,	include	October.			scientific package of	
	Boron @	mustard in	variety			practices for oilseed	
	0.2% foliar,	between two	DRMRIJ-31 is			production.	
	Mancozeb,	sugarcane	highly yielding				
	Imidacloprid	planting	dwarf variety				
		seasons.	are preferable				
			and application				
			of sulfur and				
			boron enhances				
			oil content in				
			mustard.				
2.	IPL-316,	Sugarcane is	Due to	Can afford	Not at all	The farmer was	Short duration high yielding
	PSB,	the main crop	drought,			satisfied with the	and fertilizer responsive
	Rhizobium,	for the	farmers want to			technology	variety
	Mancozeb,	farmers.	take pulses in			transferred. The	
	Emamectin	Farmers are	early season			farmer is enthusiastic	
	benzoate	tried to	i.e. October.			to adopt the	
		include lentil	variety IPL-			scientific package of	
		in between	316 is highly				

1							
		two	yielding dwarf			practices for pulses	
		sugarcane	variety are			production	
		planting	preferable and				
		seasons	application of				
			Rhizobium				
			enhances soil				
			fertility				
3.	RVG-202,	Sugarcane is	Due to	Can afford	Not at all	The farmer was	Short duration high yielding
	PSB,	the main crop	drought,			satisfied with the	and fertilizer responsive
	Rhizobium,	for the	farmers want to			technology	variety
	Mancozeb,	farmers.	take pulses in			transferred. The	
	Emamectin	Farmers are	early season			farmer is enthusiastic	
	benzoate	tried to	i.e. October.			to adopt the	
		include	variety RVG-			scientific package of	
		chickpea in	202 is highly			practices for pulses	
		between two	yielding dwarf			production	
		sugarcane	variety are				
		planting	preferable and				
		seasons	application of				
			Rhizobium				
			enhances soil				
			fertility				
4.	IPL-220,	Crop is standing i	n field and result awa	ited			
	Rhizobium,						
	Mancozeb,						
	Emamectin						
	benzoate						

C. Specific Characteristics of Technology and Performance

Crop and variety Demonstrated	Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Mustard var.	Plant height (cm)	182.6	106.2	High plant survival/unit
DRMRIJ-31 (Giriraj) @ 5 kg/ha, Sulphur	Number of primary branches/plant	5.14	3.86	area, performance of germination higher, plant
@ 5 kg/ha, Zinc @	Siliquae/plant	420	215	height, no. of branches,
0.5% foliar, Boron @ 0.2% foliar,	Length of Siliquae	4.9	2.7	may be up-scaled in 500 ha
Mancozeb,	Seeds/siliquae	18	11	
Imidacloprid	1000 seed weight (g)	5.26	4.23	-
	Seed yield per plant (gm)	58.3	28.2	-
	Harvest index (%)	26.4	24.9	-
IPL-316, PSB,	Plant height (cm)	31.4	23.8	High plant survival/unit
Rhizobium,	Branches/plant	5.46	3.67	area, performance of
Emamectin benzoate	Pods/plant	52.7	44.8	height, no. of branches,
	Seeds/pod	1.58	1.24	seeds/siliqua found more. It
	1000 seed weight (g)	29.7	22.8	may be up-scaled in 500 ha
	Harvest index (%)	42.5	40.1	
RVG-202, PSB,	Plant height (cm)	41.6	33.6	High plant survival/unit
Rhizobium,	Pods/plant	48.2	36.8	area, performance of
Emamectin benzoate	Seeds/pod	2.4	2.2	height, no. of branches,
	Seed index (g)	22.8	18.5	seeds/siliqua found more. It
	Harvest index (%)	33.6	31.9	may be up-scaled in 500 ha

D. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Method demonstration on manual rice -	04.07.2023	30
	wheat seedere		
2	Method demonstration and training	11.05.2023	25
3	Animal Health Camp for goats	22.05.2023, Siktor, Bagaha-1	32
4	Field day, field visit & advisory services in	1/4/2023, Tarharwa	32
	mustard		
5	Field day, field visit & advisory services in	3/4/23, Narkatiyaganj	41
	mustard		
6	Training on production and protection	30/10/2023, Narkatiyaganj	9
	technology in Lentil and critical input		
	distribution		
4.	Training on production and protection	6/11/2023, Salha	15
	technology in Lentil and critical input		
	distribution		
5.	Training on production and protection	9/11/2023 Salha	10
	technology in Lentil and critical input		
	distribution		
6.	Training on production and protection	10/11/2023, Mishrauli	6
	technology in Lentil and critical input		
	distribution		

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



ssExtension and Training activities under FLD

F. Farmers' training photographs

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

H. Details of budget utilization

Crop	Items	Budget	Budget	Balance
(Provide crop wise information)		(Rs.)	(Rs.)	(Rs.)
Mustard (2022 – 2023)	i) Critical input	220200	211200	Nil
	ii) TA/DA/POL etc. for monitoring	0	5000	Nil
	iii) Extension Activities (Field Day)	0	4000	Nil
	iv) Publication of literature	0	0	Nil
	Total	220200	220200	Nil
Lentil (2022 – 2023) and Chickpea (2022 –	i) Critical input	79200	329100	-249900
2023)	ii) TA/DA/POL etc. for monitoring	0	8000	-8000
	iii) Extension Activities (Field Day)	0	5000	-5000
	iv) Publication of literature	0	0	0
	Total	79200	342100	-262900
Lentil (2023 – 2024)	i) Critical input	80400	119000	-38600

			57
ii) TA/DA/POL etc. for monitoring	0	8000	-8000
iii) Extension Activities (Field Day)	0	4000	-4000
iv) Publication of literature	0	0	0
Total	80400	131000	-50600

3.4 ACHIEVEMENTS ON TRAINING /CAPACITY BUILDING PROGRAMMES (Mandated KVK trainings/sponsored training /FLD training programmes):

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

		No. o	No. of Participants													
Thematic Area	No. of	Othe	r	icipun	SC			ST			Gran	nd Tota	al			
	Courses	M	F	Т	M	F	Т	M	F	Т	Μ	F	Т			
I. Crop Production																
Weed Management	1	9	7	16	1	6	7	0	2	2	10	15	25			
Resource Conservation Technologies																
Cropping Systems																
Crop Diversification																
Integrated Farming																
Water management																
Seed production																
Nursery management																
Integrated Crop Management																
Fodder production																
Production of organic inputs																
Others, (cultivation of crops)	1	14	4	18	5	7	12	0	0	0	19	11	30			
II. Horticulture																
a) Vegetable Crops																
Integrated nutrient management																
Water management																
Enterprise development																
Skill development																
Yield increment																
Production of low volume and high																
value crops																
Off-season vegetables																
Nurserv raising																
Export potential vegetables																
Grading and standardization																
Protective cultivation (Green Houses,																
Shade Net etc.)																
Others, if any (Cultivation of																
Vegetable)																
Training anssssd pruning																
b) Fruits																
Layout and Management of Orchards																
Cultivation of Fruit																
Management of young																
plants/orchards																
Rejuvenation of old orchards																
Export potential fruits																
Micro irrigation systems of orchards																
Plant propagation techniques																
Others, if any(INM)																
c) Ornamental Plants																
Nursery Management																
Management of potted plants					1	[ſ		Γ	ſ		[Ι			
Export potential of ornamental plants																
Propagation techniques of																
Ornamental Plants																
Others, if any																
d) Plantation crops																

		No. of Participants											
Thematic Area	No. of	Othe	er	reipun	SC			ST			- Grand Total		
	Courses	Μ	F	Т	M	F	Т	M	F	Т	М	F	Т
Production and Management													
technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management			-										
Production and management													
technology													
Post-harvest technology and value													
addition													
Uners, if any													
Management													
Soil fortility management													
Soil and Water Conservation													
Integrated Nutriant Management	1	10	0	28	1	1	2	0	0	0	28	10	30
Production and use of organic inputs	1	13	9	14	1	10	11	0	0	0	20	10	25
Management of Problematic soils	1	15	1	14	1	10	11	0	0	0	14	11	23
Micro nutrient deficiency in crops													
Nutrient Use Efficiency											ł – –		
Soil and Water Testing													
Others if any													
IV Livestock Production and													
Management													
Dairy Management													
Poultry Management	02	06	02	08	15	28	43	0	0	0	21	30	51
Piggery Management	° -	00		00	10			Ŭ	Ŭ	Ŭ		20	
Rabbit Management													
Disease Management	01	02	0	02	10	11	21	0	0	0	12	11	23
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													
low/minimum cost diet													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													

		No. (of Part	icinan	ts									
Thematic Area	No. of	Other SC				ST			Grand Total					
	Courses	M	F	Т	M	F	Т	M	F	Т	Μ	F	Т	
Income generation activities for														
empowerment of rural Women														
Location specific drudgery reduction														
technologies														
Rural Crafts														
Capacity building														
Women and child care			-											
Others, if any														
VI. Agril. Engineering														
Installation and maintenance of micro														
irrigation systems			-											
Use of Plastics in farming practices			-											
Production of small tools and														
Implements														
Repair and maintenance of farm	1	19	4	23	2	0	2	6	0	6	27	4	31	
Small scale processing and value														
addition														
Post-Harvest Technology														
Others if any	2	35	0	35	7	1	8	3	0	3	15	11	56	
VII Plant Protection	2	55	0	55	/	1	0	5	0	5	45	11	50	
Integrated Dest Management	01	15	1	16	5	10	15	0	0	0	20	11	21	
Integrated Pest Management	01	13	1	22	5	20	15	2	0	2	20	11	51	
Bio control of pests and diseases	01	28	20	36	11	<u>20</u>	15	2	0	2	42	12	54	
Bio-control of bio control agents and	01	20	0	50	11	4	15	5	0	5	42	12	54	
hio pesticides														
Others if any	01	22	0	22	3	0	3	0	0	0	25	0	25	
VIII Fisheries	01	22	0	22	5	0	5	0	0	0	23	0	25	
Integrated fish farming														
Carp breeding and hatchery														
management														
Carp fry and fingerling rearing														
Composite fish culture & fish disease														
Fish feed preparation & its														
application to fish pond, like nursery,														
rearing & stocking pond														
Hatchery management and culture of														
freshwater prawn														
Breeding and culture of ornamental														
fishes														
Portable plastic carp hatchery														
Pen culture of fish and prawn														
Shrimp farming														
Edible oyster farming														
Pearl culture														
Fish processing and value addition														
Others, if any														
IX. Production of Inputs at site					<u> </u>									
Seed Production														
Planting material production			-		1									
Bio-agents production								L	L					
Bio-pesticides production			-		1									
Bio-fertilizer production					<u> </u>									
Vermi-compost production			-		1									
Organic manures production			-		1									
Production of fry and fingerlings					1									

		No. c	of Part	icipant	ts						G	1.00.4	
Thematic Area	No. of	Othe	r	.	SC			ST			Gran	d Tota	1l
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	14	194	56	250	67	98	165	14	2	16	283	166	441

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

				No	o. of I	Partici	pants				C		- 4 - 1
Thematic Area	No. of		Other			SC			ST		Gr	and I	otai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Mushroom Production	1	0	0	0	14	16	30	0	0	0	14	16	30
Bee-keeping													
Integrated farming													
Seed production	2	1	6	7	24	24	48	0	0	0	25	30	55
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture	2	44	2	46	13	3	16	3	0	3	60	5	65
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm													
machinery and implements	2	14	0	14	8	36	44	3	0	3	38	23	61
Nursery Management of Horticulture													
crops													
Training and pruning of orchards													
Value addition													
Production of quality animal													
products													
Dairying	1	26	0	26	2	0	2	0	0	0	28	0	28
Sheep and goat rearing	2	48	0	48	4	0	4	3	0	3	55	0	55
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	4	1	5	0	38	38	0	0	0	4	39	43

				No). of I	Partici	pants				G	1.00	
Thematic Area	No. of		Other			SC	-		ST		Gr	and To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing													
technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Micro-sprinkler irrigation for water	1	0	0	0	0	30	30	0	0	0	0	30	30
conservation	1	0	0	0	U	50	50	0	0	0	U	50	
Solar power irrigation system	2	42	0	42	10	0	10	8	0	8	60	0	60
TOTAL	14	179	9	188	75	147	222	17	0	17	284	143	427

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

	No. of			Ne). of F	Partici	pants				Cm	and T	atal
Thematic Area	NO. 01		Other	•		SC			ST		Gra		Jiai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field													
crops													
Value addition													
Integrated Pest Management	1	12	2	14	5	1	6	0	0	0	17	3	20
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													
Care and maintenance of farm	1	14	0	14	2	0	2	0	0	0	17	0	17
machinery and implements	1	14	0	14	5	0	3	0	0	0	17	0	
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	2	26	2	28	8	1	9	0	0	0	34	3	37

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

					No. of	Partic	ripants						
Thematic Area	No. of		Other	r		SC			ST		Gr	and To	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	3	32	7	39	31	15	46	3	0	3	69	16	85
Resource Conservation													
Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	4	56	0	56	29	4	33	26	0	26	111	4	115
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	5	39	0	39	16	11	27	39	10	49	94	21	115
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and													
high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green													
Houses, Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of													
Orchards													
Cultivation of Fruit													
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of													
orchards													
Plant propagation techniques													
Others, if any(INM)			<u> </u>										
c) Ornamental Plants			<u> </u>										
Nursery Management			<u> </u>										
Management of potted plants			<u> </u>										
Export potential of ornamental plants													
Propagation techniques of													
Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													

	N. e				No. of	Partic	ipants				C		4-1
Thematic Area	NO. OI Courses	(Other	•		SC			ST		Gra	and Io	tal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic													
Plants													
Nursery management													
Production and management													
technology													
Post-harvest technology and													
Value addition													
Others, if any													
III. Soil Health and Fertility													
Nanagement Soil fortility monogoment													
Soil and Water Conservation													
Integrated Nutrient													
Management													
Production and use of organic													
inputs													
Management of Problematic													
soils													
Micro nutrient deficiency in													
crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and													
Management													
Dairy Management	05	27	15	42	10	46	56	21	0	21	58	61	119
Poultry Management	01	2	0	2	0	0	0	20	0	20	22	0	22
Piggery Management													
Rabbit Management													
Disease Management	06	42	14	56	21	74	95	0	0	0	63	88	151
Feed management	03	46	0	46	11	0	11	11	17	28	68	17	85
Production of quality animal	02	27	0	27	1	24	25	0	0	0	28	24	52
Others if area Cost forming	0.1	24	0	24	1		1	0	0		25	0	05
V Home Science/Women	01	24	0	24	1	0	1	0	0	0	25	0	25
empowerment													
Household food security by													
kitchen gardening and nutrition													
gardening													
Design and development of	+												
low/minimum cost diet													
Designing and development for													
high nutrient efficiency diet													
Minimization of nutrient loss in													
processing													

	No. of				No. of	Partic	ipants				Gr	and To	otal
Thematic Area	Courses		Othe	• 		SC	T		ST				- m
Conden mainstra mins through		M	F	Т	Μ	F	Т	Μ	F	Т	M	F	Т
SHGs													
Storage loss minimization													
techniques													
Enterprise development													
Value addition													
Income generation activities for													
empowerment of rural Women													
Location specific drudgery													
reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI. Agril. Engineering													
Installation and maintenance of	2	35	0	35	5	18	23	0	0	0	40	18	58
micro irrigation systems													
Use of Plastics in farming													
practices													
Production of small tools and													
implements													
Repair and maintenance of farm	3	46	9	55	24	7	31	0	0	0	70	16	86
machinery and implements													
Small scale processing and													
value addition													
Post-Harvest Technology													
Others, if any	16	215	19	234	81	145	226	1	0	1	297	164	461
VII. Plant Protection	10	210			01	1.0		-	0	-	_> /	10.	
Integrated Pest Management	05	155	3	158	10	0	10	1	0	1	166	3	169
Integrated Disease Management	06	115	4	119	21	68	89	11	0	11	147	72	219
Bio-control of pests and	00	110		117	21	00	07		0		35	0	35
diseases	01	34	0	34	1	0	1	0	0	0	55	Ŭ	55
Production of bio control													
agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish													
disease													
Fish feed preparation & its													
application to fish pond like													
nursery, rearing & stocking													
pond													
Hatchery management and	1										1		
culture of freshwater prawn													
Breeding and culture of													
ornamental fishes													
Portable plastic carp hatchery					<u> </u>			<u> </u>					
Pen culture of fish and prawn													
Shrimp farming													
Edible ovster farming													
Pearl culture													
											1	l	

	Neef				No. of	Partic	ipants				C		4-1
Thematic Area	NO. OI		Othe	r		SC			ST		Gr	and I	otal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Fish processing and value													
addition													
Others, if any													
IX. Production of Inputs at													
site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and													
fingerlings													
Production of Bee-colonies and													
wax sheets													
Small tools and implements													
Production of livestock feed													
and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and													
Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of													
SHGs													
Mobilization of social capital													
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	63	895	71	966	262	412	674	133	27	160	1293	504	1797

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

				No	o. of P	artici	pants					Caral	Tatal
Thematic Area	No. of		Othe	r		SC			ST			Grand	Total
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													

				No	o. of P	artici	pants					C 1	T (1
Thematic Area	No. of		Other	r		SC			ST			Grand	Total
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

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

	No. of			No	o. of P	articij	pants				Gr	and T	otal
Thematic Area	Course		Other	r		SC			ST		U	anu ro	Jiai
	S	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Productivity enhancement in field	1	14	10	24	4	1	5	1	0	1	10	11	30
crops	1	14	10	24	4	1	5	1	0	1	19	11	
Integrated Pest Management	1	17	1	18	0	0	0	0	0	0	17	1	18
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													

	No. of			No	o. of P	artici	pants				C	and T	ata1
Thematic Area	Course		Other	r		SC			ST		GI	and To	Jiai
	S	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals	02	37	0	37	5	0	5	3	0	3	45	0	45
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	1	14	0	14	2	0	2	2	0	2	18	0	18
TOTAL	5	82	11	93	11	1	12	6	0	6	99	12	111

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

	No. of			Grand Total									
Thematic Area	INO. 01		Other			SC			ST		U.		Jai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
I. Crop Production													
Weed Management	4	41	14	55	32	21	53	3	2	5	79	31	110
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	4	56	0	56	29	4	33	26	0	26	111	4	115
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	6	53	4	57	21	18	39	39	10	49	113	32	145
TOTAL							12						
	14	150	18	168	82	43	5	68	12	80	303	67	370
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high													
value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													

Thomatic Area	No. of	No. of Participants Other SC ST										Grand Total			
Thematic Area	Courses	М	F	Т	М	F	Т	М	F	Т		F	Т		
Grading and standardization															
Protective cultivation (Green Houses,															
Shade Net etc.)															
Others, if any (Cultivation of															
Vegetable)															
TOTAL															
b) Fruits															
Training and Pruning															
Layout and Management of Orchards															
Cultivation of Fruit															
Management of young															
Deiuvenation of old enchands															
Rejuvenation of old orchards															
Micro irrigation systems of orchards															
Plant propagation tachniques															
Others if any(INM)															
c) Ornamental Plants															
Nursery Management															
Management of potted plants															
Export potential of ornamental plants															
Propagation techniques of															
Ornamental Plants															
Others, if any															
TOTAL															
d) Plantation crops															
Production and Management															
technology															
Processing and value addition															
Others, if any															
TOTAL															
e) Tuber crops															
Production and Management															
technology															
Processing and value addition															
Others, if any															
TOTAL															
f) Spices															
Production and Management															
technology															
Processing and value addition															
TOTAL															
IUIAL															
g) Medicinal and Aromatic Flams															
Production and management															
technology															
Post harvest technology and value			1												
addition															
Others, if any			1												
TOTAL															
III. Soil Health and Fertility			1												
Management															
Soil fertility management															
Soil and Water Conservation															

	No. of Participants													
Thematic Area	No. of		Other		NO. 01 .	SC	Jants	[ST			Grand Total		
Themate Thea	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т	
Integrated Nutrient Management	4	34	16	50	19	13	32	28	0	28	89	29	110	
Production and use of organic inputs	1	13	1	14	1	10	11	0	0	0	14	11	25	
Management of Problematic soils														
Micro nutrient deficiency in crops	1	3	0	3	0	0	0	26	1	27	29	1	30	
Nutrient Use Efficiency														
Soil and Water Testing														
Others, if any														
TOTAL	6	50	17	67	20	23	43	54	1	55	132	41	165	
IV. Livestock Production and														
Management														
Dairy Management	7	33	17	50	25	74	99	21	0	21	79	91	170	
Poultry Management	1	2	0	2	0	0	0	20	0	20	22	0	22	
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0	
Rabbit Management	1	2	0	2	10	11	21	0	0	0	12	11	23	
Disease Management	6	42	14	56	21	74	95	0	0	0	63	88	151	
Feed management	3	46	0	46	11	0	11	11	17	28	68	17	85	
Production of quality animal products	2	27	0	27	1	24	25	0	0	0	28	24	52	
Others, if any (Goat farming)	1	24	0	24	1	0	1	0	0	0	25	0	25	
TOTAL						18	25					23		
	21	176	31	207	69	3	2	52	17	69	297	1	528	
V. Home Science/Women														
empowerment														
Household food security by kitchen														
gardening and nutrition gardening														
Design and development of														
low/minimum cost diet														
Designing and development for high														
Nutrient efficiency diet														
processing														
Gender mainstreaming through SHGs														
Storage loss minimization techniques														
Enterprise development														
Value addition														
Income generation activities for														
empowerment of rural Women														
Location specific drudgery reduction														
technologies														
Rural Crafts														
Capacity building														
Women and child care														
Others, if any														
TOTAL														
VI. Agril. Engineering														
Installation and maintenance of micro	2	25	0	25	_	10	22	0	0	0	10	10	50	
Lise of Plastics in farming practices	2	35	0	35	5	18	23	0	0	0	40	18	58	
Production of small tools and	0	0	0	0	0	0	0	0	0	0	0	0	0	
implements	0	0	0	0	0	0	0	0	0	0	0	0	0	
Repair and maintenance of farm	0	0	0	0	0	0	0	0	0	0	0	0	0	
machinery and implements	4	65	13	78	26	7	33	6	0	6	97	20	117	
Small scale processing and value			_	-		1	-							
addition	0	0	0	0	0	0	0	0	0	0	0	0	0	
Post-Harvest Technology	0	0	0	0	0	0	0	0	0	0	0	0	0	
Others, if any	18	250	19	269	88	146	234	4	0	4	342	175	517	

		No. of Participants											
Thomatic Area	No. of		Other	r	NO. OI	Particip	oants		бŢ		G	rand T	otal
Thematic Alea	Courses	М	F	т	м		т	м	51	т	м	F	т
ΤΟΤΑΙ		IVI	1.	1	11	Г	1	IVI	Г	1	IVI	Г	1
	24	350	32	382	9	171	290	10	0	10	479	213	692
VII. Plant Protection					-				-				
Integrated Pest Management	06	170	4	174	15	10	25	1	0	1	186	14	200
Integrated Disease Management	07	127	24	151	27	88	115	13	0	13	167	112	279
Bio-control of pests and diseases	02	62	8	70	12	4	16	3	0	3	77	12	89
Production of bio control agents and													
bio pesticides													
Others, if any	01	22	0	22	3	0	3	0	0	0	25	0	25
TOTAL						10	15					13	
	16	381	36	417	57	2	9	17	0	17	455	8	593
VIII. Fisheries	-				-								
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its													
application to fish pond, like nursery,													
rearing & stocking pond													
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental													
fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production		-											
Production of fry and fingerlings		-											
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Utners, if any													
V Consider Berilding and C													
A. Capacity Building and Group													
Dynamics Leadarship davalar wart												<u> </u>	
Crown dynamics													
Formation and Management of SUIC												<u> </u>	
Formation and Management of SHGs													
woonization of social capital	I	I		I					I	I	I	I	

	No. of			Grand Total									
Thematic Area	NO. 01			SC				ST		U.		Jiai	
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F 690	Т
Entrepreneurial development of													
farmers/youths													
WTO and IPR issues													
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	81	110	13	124	34	522	869	20	30	23	166	690	2348
		7	4	1	7			1		1	6		

ii. RURAL YOUTH (On and Off Campus)

	N. C				Crond Total								
Thematic Area	No. of		Other	•		SC			ST			Grand I	otal
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Mushroom Production	1	0	0	0	14	16	30	0	0	0	14	16	30
Bee-keeping													
Integrated farming													
Seed production	2	1	6	7	24	24	48	0	0	0	25	30	55
Production of organic													
inputs													
Planting material													
production													
Vermi-culture	2	44	2	46	13	3	16	3	0	3	60	5	65
Sericulture													
Protected cultivation													
of vegetable crops													
Commercial fruit													
production													
Repair and maintenance of farm machinery and													
implements	2	14	0	14	8	36	44	3	0	3	38	23	61
Nursery Management													
of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	1	26	0	26	2	0	2	0	0	0	28	0	28
Sheep and goat	2	18	0	18	4	0	4	3	0	3	55	0	55
rearing	2	40	0	40	4	0	4	3	0	5	55	0	
Quail farming													
Piggery													
Rabbit farming													
Poultry production	1	4	1	5	0	38	38	0	0	0	4	39	43
Ornamental fisheries													
Para vets													
Para extension													
workers													
					No. of	f Partic	ipants					a 1.5	. 1
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Thematic Area	No. of		Other	r		SC			ST			Grand T	otal
	Courses	Μ	F	Т	М	F	Т	Μ	F	Т	М	F	Т
Composite fish													
culture													
Freshwater prawn													
culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and													
processing													
technology													
Fry and fingerling													
rearing													
Small scale													
processing													
Post-Harvest													
Technology													
Tailoring and													
Stitching													
Rural Crafts													
Micro-sprinkler													
irrigation for water	1	0	0	0	0	30	30	0	0	0	0	30	30
conservation													
Solar power irrigation	2	40	Δ	40	10	0	10	0	0	0	60	0	60
system	2	42	U	42	10	U	10	ð	U	ð	00	U	00
Enterprise													
development													
Others if any (ICT													
application in													
agriculture)													
TOTAL	14	179	9	188	75	147	222	17	0	17	284	143	427

iii. Extension Personnel (On and Off Campus)

	Na af				No. of	f Partic	ipants					Crand	Totol
Thematic Area	NO. 01		Other	-		SC			ST			Grand	Total
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Productivity													
enhancement in field	1	14	10	24	4	1	5	1	0	1	19	11	30
crops													
Integrated Pest													39
Management	2	29	3	32	5	1	6	0	0	0	34	4	58
Integrated Nutrient													
management													
Rejuvenation of old													
orchards													
Value addition													
Protected cultivation													
technology													
Formation and													
Management of													
SHGs													
Group Dynamics and													
farmers organization													
Information													
networking among													
farmers													

													/4
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	14	0	14	3	0	3	0	0	0	17	0	17
WTO and IPR issues													
Management in farm animals	2	37	0	37	5	0	5	3	0	3	45	0	45
Livestock feed and fodder production													
Household food security													
Women and Child													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification	1	14	0	14	2	0	2	2	0	2	18	0	18
Others if any													
TOTAL	7	108	13	121	19	2	21	6	0	6	133	15	148

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)	Nur	nber (of SC/ST	Nun part (oth	nber ticipa ers)	of nts	Over all participants
		1			Μ	F	Total	Μ	F	Total	
Crop Production	Farmers and farm women	Training programme on package and practices of lentil	1	Off	3	0	3	27	0	27	30
Crop Production	Farmers and farm women	Training programme on integrated weed management in mustard	1	Off	15	10	25	0	0	0	25
Crop Production	Farmers and farm women	Training programme on integrated nutrient management in sugarcane	1	Off	13	12	25	0	0	0	25
Crop Production	Farmers and farm women	Awareness programme on agronomic practices of moongbean production	1	Off	3	0	3	30	0	30	33
Crop Production	Farmers and farm women	Scientific rice cultivation technology	1	Off	0	0	0	30	0	30	30
Crop Production	Farmers and farm women	Package and practices of direct seeded rice cultivation	1	Off	26	0	26	4	0	4	30
Crop Production	Farmers and farm women	Integrated nutrient management in rice	1	Off	28	0	28	2	0	2	30
Crop Production	Farmers and farm women	Integrated weed management in direct seeded rice	1	On	1	8	9	9	7	16	25
Crop Production	Farmers and farm women	Awareness programme on micronutrient management in rice	1	Off	24	4	27	3	0	3	30
Crop Production	Farmers and farm women	Direct seeded rice cultivation technology	1	Off	27	0	27	3	0	3	30
Crop Production	Farmers and farm women	Production technique of pigeon pea	1	On	5	7	12	14	4	18	30
Crop Production	Farmers and farm women	Awareness programme on mungbean production technology	1	Off	13	10	23	2	0	2	25
Crop Production	Farmers and farm women	Integrated nutrient management of pigeon pea	1	On	1	1	2	19	9	28	30

											76
Crop Production	Farmers and farm women	Scientific production techniques of organic manure	1	On	1	10	11	13	1	14	25
Crop Production	Farmers and farm women	Awareness programme on weed management in paddy	1	Off	5	0	5	21	7	28	33
Crop Production	Farmers and farm women	Package and practices of lentil production	1	Off	14	1	15	15	0	15	30
Crop Production	Farmers and farm women	Agronomic practices for chickpea production	1	Off	15	11	26	4	0	4	30
Crop Production	Farmers and farm women	Awareness programme on weed management in mustard	1	Off	14	5	19	11	0	11	30
Crop Production	Farmers and farm women	Production technology of potato	1	Off	12	3	15	10	0	10	25
Crop Production	Farmers and farm women	Integrated nutrient management in wheat crops	1	Off	5	0	5	13	7	20	25
Agril/ Engineering	Farmers and farm women	Various weed management for wheat, how to select appropriate method based upon utility/	1	Off Campus)	1	0	1	28	2	30	31
Agril/ Engineering	Farmers and farm women	Site specific based nutrient management techniques/	1	Off Campus)	2	0	2	26	0	26	28
Agril/ Engineering	Farmers and farm women	Repair and maintenance of farm machinery and implements	1	Off Campus)	2	0	2	28	0	28	30
Agril/ Engineering	Farmers and farm women	Installation and maintenance of micro irrigation systems	1	Off Campus)	0	0	0	32	0	32	32
Agril/ Engineering	Farmers and farm women	Precision agriculture to optimize input resources	1	Off Campus)	7	0	7	36	0	36	43
Agril/ Engineering	Farmers and farm women	Site selection and design criteria for farm pond construction	1	Off Campus)	6	24	30	0	0	0	30
Agril/ Engineering	Farmers and farm women	Various techniques to harness green energy and methods to reduce air/water/ land pollution	1	Off Campus)	16	14	30	0	0	0	30
Agril/ Engineering	Farmers and farm women	Installation and maintenance of micro irrigation systems	1	Off Campus)	5	18	23	3	0	3	26
Agril/ Engineering	Farmers and farm women	Wheat harvesting technologies	1	Off Campus)	1	15	16	9	0	9	25

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Agril/ Engineering	Farmers and farm women	Laser land levellor	1	On campus	5	1	6	12	10	22	28
Agril/ Engineering	Farmers and farm women	Technologies options available for land transformation: - Laser land levellor	1	Off Campus)	5	10	15	10	0	10	25
Agril/ Engineering	Farmers and farm women	Site selection and design criteria for farm pond construction	1	Off Campus)	3	0	3	22	0	22	25
Agril/ Engineering	Farmers and farm women	Technologies for direct sowing of rice, its importance, merits and demerits	1	Off Campus)	4	0	4	21	0	21	25
Agril/ Engineering	Farmers and farm women	Solar powered irrigation system (SPIS)	1	Off Campus)	4	9	13	6	6	12	25
Agril/ Engineering	Farmers and farm women	Weed management in paddy crop for kharif season	1	Off Campus)	1	16	17	12	1	13	30
Agril/ Engineering	Farmers and farm women	Different weed management practices	1	On campus	5	0	5	23	0	23	28
Agril/ Engineering	Farmers and farm women	Calibration of different agricultural equipment's	1	On campus	8	0	8	19	4	23	31
Agril/ Engineering	Farmers and farm women	Various micro irrigation techniques for water saving	1	Off Campus)	13	13	26	8	0	8	34
Agril/ Engineering	Farmers and farm women	Solar powered Irrigation system, a way to use green energy for agricultural purpose	1	Off Campus)	1	20	21	2	10	12	33
Agril/ Engineering	Farmers and farm women	Repair and maintenance of farm machinery and implements	1	Off Campus)	9	7	16	5	9	14	30
Agril/ Engineering	Farmers and farm women	Technologies for sugarcane bud and node making to increase farm mechanization	1	Off Campus)	6	18	24	4	0	4	28
Agril/ Engineering	Farmers and farm women	Zero Till machine for sowing of wheat	1	Off Campus)	0	6	6	17	0	17	23
Agril/ Engineering	Farmers and farm women	Others, if any(Manual Rice- wheat seeder for direct wheat sowing, a low -cost method for wheat sowing)	1	Off Campus)	12	0	12	14	0	14	26
Agril/ Engineering	Farmers and farm women	Repair and maintenance of farm machinery and implements	1	Off Campus)	13	0	13	13	0	13	26
Animal Science	Farmers and farm women	Management of dairy animals during different stages of production	1	Off Campus)	0	0	0	27	0	27	27
Animal Science	Farmers and farm women	Preventive and curative measures for different	1	Off Campus)	1	0	1	24	0	24	25

											78
		diseases in									
Animal Science	Farmers and farm women	Scope and limitation of feeding balanced ration and total mixed ration in animals	1	Off Campus)	6	14	20	2	3	5	25
Animal Science	Farmers and farm women	Different types of housing system and its importance in animals	1	Off Campus)	4	18	22	0	3	3	25
Animal Science	Farmers and farm women	Different technique for management of animals waste in dairy farm	1	Off Campus)	0	24	24	0	2	2	26
Animal Science	Farmers and farm women	Control measures of Ecto & Endo parasites in cattle	1	Off Campus)	0	16	16	5	1	6	22
Animal Science	Farmers and farm women	Backyard poultry farming	1	On Campus)	10	12	22	0	0	0	22
Animal Science	Farmers and farm women	Scientific dairy farming	1	Off Campus)	5	0	5	17	0	17	22
Animal Science	Farmers and farm women	Health management in goat	1	On Campus)	10	11	21	2	0	2	23
Animal Science	Farmers and farm women	Feeding management of dairy cattle	1	Off Campus)	11	17	28	2	0	2	30
Animal Science	Farmers and farm women	Clean milk production	1	Off Campus)	1	24	25	0	0	0	25
Animal Science	Farmers and farm women	Feeding management of dairy cattle	1	Off Campus)	1	24	25	0	0	0	25
Animal Science	Farmers and farm women	Scientific dairy farming	1	Off Campus)	21	0	21	0	0	0	21
Animal Science	Farmers and farm women	Poultry Farming	1	On Campus)	5	16	21	6	2	8	29
Animal Science	Farmers and farm women	Different types of housing systems for goat	1	Off Campus)	0	27	27	0	3	3	30
Animal Science	Farmers and farm women	Production and preservation of green fodder round the year	1	Off Campus)	1	4	5	10	10	20	25
Animal Science	Farmers and farm women	Important bacterial, viral and parasitic diseases in goat	1	Off Campus)	3	0	3	20	0	20	23
Animal Science	Farmers and farm women	Important bacterial, viral and parasitic diseases in poultry	1	Off Campus)	20	0	20	2	0	2	22

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Animal Science	Farmers and farm women	Commercial broiler and layer farming	1	Off Campus)	9	0	9	13	5	18	27
Animal Science	Farmers and farm women	Preservation of feeds and fodders	1	Off Campus)	5	0	5	20	0	20	25
Animal Science	Farmers and farm women	Feeding schedule for poultry in different production system	1	Off (Campus)	6	0	6	24	0	24	30
Plant Protection	Farmers and farm women	Disease and pest management in maize crop	1	Off (Campus)	19	0	19	11	0	11	30
Plant Protection	Farmers and farm women	Biocontrol agent and their use in management of plant diseases	1	Off (Campus)	33	3	36	1	0	1	37
Plant Protection	Farmers and farm women	Disease and pest management in moong crop	1	On Campus	3	0	3	22	0	22	25
Plant Protection	Farmers and farm women	Disease and pest management in oilseed crop	1	Off (Campus)	34	0	34	1	0	1	35
Plant Protection	Farmers and farm women	Sett treatment in sugarcane for soil and set borne diseases	1	Off (Campus)	31	0	31	4	0	4	35
Plant Protection	Farmers and farm women	Use of <i>Trichoderma</i> and <i>Pseudomonas</i> in management of sugarcane diseases	1	Off (Campus)	29	0	29	6	0	6	35
Plant Protection	Farmers and farm women	Identification and management of important diseases in rice	1	Off (Campus)	30	0	30	1	0	1	31
Plant Protection	Farmers and farm women	Importance of <i>Trichoderma</i> sp. in sugarcane diseases management	1	Off (Campus)	30	0	30	6	0	6	36
Plant Protection	Farmers and farm women	Seed treatment in rice	1	On (Campus)	28	8	36	14	4	18	54
Plant Protection	Farmers and farm women	Diseases of rice and their management	1	On (Campus)	12	20	32	8	20	28	60
Plant Protection	Farmers and farm women	Diseases of rice and their management	1	Off (Campus)	34	0	34	1	0	1	35
Plant Protection	Farmers and farm women	Identification and management of important diseases in mango	1	Off (Campus)	32	0	32	3	0	3	35
Plant Protection	Farmers and farm women	Identification and management of red rot in sugarcane	1	Off (Campus)	30	0	30	0	0	0	30

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Plant Protection	Farmers and farm women	Management of diseases in sugarcane	1	Off (Campus)	0	4	4	0	40	40	44
Plant Protection	Farmers and farm women	Integrated disease management in rice	1	On (Campus)	15	1	16	5	10	15	31
Plant Protection	Farmers and farm women	Bacterial blight of rice and their management	1	Off (Campus)	2	0	2	10	28	38	40
											_

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

				No.	of Particip	ants	Self-emplo	yed after tr	aining	Number of
Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	persons employed else where
Agril. Engineering	Farm mechanization	Repair and maintenance of farm machinery and implements	4	8	23	31	Medium, Small	8	8	23
Agril. Engineering	Farm mechanization	Repair and maintenance of agricultural machinery	4	30	0	30	Medium, Small	30	17	13
Agril. Engineering	Resource conservation	Micro-sprinkler irrigation for water conservation	4	0	30	30	Small	12	0	30
Agril. Engineering	Resource conservation	Solar power irrigation system	4	30	0	30	0	0	0	0
Agril. Engineering	Resource conservation	Solar power irrigation system	5	30	0	30				
Animal Science	Poultry Farming	Poultry Farming	4	5	38	43	Small	37	37	6
Animal Science	Goat Farming	Scientific goat farming	4	55	0	55	Small	46	46	9
Animal Science	Dairy Farming	Commercial Dairy Farming	4	28	0	28	Medium	25	25	3
Plant Protection	Mushroom Production	Mushroom Production	3	14	16	30	Medium	27	27	3
Crop Production	Millet Production	Improved production technology of millets	4	7	18	25	Small	25	25	0
Crop Production	Vermicompost Production	Scientific vermicompost production technology	4	30	5	35	Small	11	11	24
Crop Production	Crop production	Scientific cultivation of rabi crops	4	18	12	30	Medium, Large	30	30	0
Crop Production	Vermicompost Production	Vermicompost Production	4	30	0	30	Small	22	22	8
Total				285	142	427	-	273	248	119

*Training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

				Dunati	Client	No.				No.	of Pa	rticipa	ants				Snonsoni
Sl	Titl	Themat	Mont	Durau		of	N	Iale	-	Fe	male			Tot	al	-	sponsori
	e	ic area	h	(days)	EF	cours	Othe	S	S	Othe	S	S	Othe	S	S	Tot	Agency
				(days)	- 21	es	rs	С	Т	rs	С	Т	rs	С	Т	al	i igene j

		No. of Participants											
	No. of		Gen	eral		S	C		ST		(Gran	d Total
	Courses									Tota			
Area of training		Μ	F	Total	Μ	F	Total	Μ	F	1	Μ	F	Total
Crop production and management		-											
Increasing production and productivity of													
Commercial production of vegetables													
Production and value addition													
Fruit Plants													
Ornamental plants													
Spices crops													
Soil health and fertility management													
Production of Inputs at site													
Methods of protective cultivation													
Other													
Total		-											
Post harvest technology and value		-											
addition													
Processing and value addition													
Other													
Total													
Farm machinery													
Farm machinery, tools and implements													
Other													
Total													
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													
Total		1											
Agricultural Extension		1											
Capacity Building and Group Dynamics		1											
Other		1											
Total		1											

							82
Grant Total							

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

Total no of				S	С	S	No T	o. of p Ot	oartic her	ipan	ts	Total	Fund utilized
training organise d	Name of QP/Job role	Title of the training	Duration (in hrs.)	М	F	M	F	M	F	М	F	Т	for the training (Rs.)

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

Total							No	o. of 1	oartic	ipan	ts		Fund
no of	Name of OP/Iob	Title of the	Duration	S	С	S	T	Ot	her		-	Total	utilized
training		training	(in hrs.)										for the
organis	Tole	uannig	(In IIIs.)	Μ	F	М	F	Μ	F	Μ	F	Т	training
ed													(Rs.)

3.5. A. ACHEVEMENTS OF EXTENSION/OUTREACH ACTIVITIES

(Including activities of FLD programmes)

			F	armers	5		Extension Officials				Total					
Nature of Extension Activity	No. of activiti es	М	F	Tota l	SC (no.)	ST (no.)	М	F	Tota l	SC (no.)	ST (no.)	М	F	Tota l	SC (no.)	ST (no.)
Kisan Mela organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela participated	04	5000	3000	8000	1500	200	5	0	5	0	0	5005	3000	8005	1500	200
Field Day	02	73	00	73	4	0	1	0	1	0	0	74	0	74	4	0
Kisan Ghosthi	08	305	180	485	197	15	53	0	53	0	0	358	180	538	197	15
Exhibition organized	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Participation in exhibition	2	4000	1500	5500	1600	500	10	0	10	0	0	4010	1500	5510	1600	500
Film Show	1	27	0	27	2	0	1	0	1	0	0	28	0	28	2	0
Method Demonstratio ns	12	333	107	440	138	21	12	0	12	0	0	345	107	452	138	21
Farmers Seminar	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0

Workshop	8	0	0	0	0	0	28	0	28	0	0	28	0	28	0	0
(Participation)	Ū.						-0	0		0	Ū	_0	Ū	_0	•	0
Group discussion	3	14	0	14	1	0	15	0	15	0	0	29	0	29	1	0
Lectures delivered as resource persons	20	580	120	700	70	25	20	0	20	0	0	600	120	720	70	25
Advisory Services (Agro Mobile)	87	1020 8	2800	1300 8	4100	190 0	87	0	87	0	0	1029 5	2800	1309 5	4100	190 0
Scientific visit to farmers field	95	1834	931	2765	1002	318	95	0	95	0	0	1929	931	2860	1002	318
Farmers visit to KVK	98	837	443	1280	536	35	98	0	98	0	0	935	443	1378	536	35
Diagnostic visits	95	1834	931	2765	1002	318	95	0	95	0	0	1929	931	2860	1002	318
Exposure visits	02	53	11	64	0	0	04	0	04	0	0	57	11	68	0	0
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	1	45	0	45	0	30	2	0	2	0	0	47	0	47	0	0
Animal Health Camp	2	2	63	65	62	0	2	0	2	0	0	4	63	67	62	0
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns																
Farm Science Club Conveners meet	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Special day celebration	15	249	122	371	128	0	12 8	37 7	122	499	15	249	122	371	128	0
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	10	90	135	225	62	28	13 0	0	130	20	0	220	135	355	82	28
Celebration of important date	15	249	122	371	128	0	12 8	37 7	122	499	15	249	122	371	128	0
Total	480	2573	1046 5	3619 8	1053 2	339 0	91 4	75 4	902	101 8	30	2639 1	1046 5	3685 6	1055 2	336 0

B. Other Extension/content mobilization activities

Nature of Extension Activity	No. of activities
Newspaper coverage	33
Radio talks	0
TV talks	11
Popular articles published	28
Extension Literature	3
Electronic media	35
Any other	
Research paper	9
Review paper	2
Book Chapter	5
Books	2

C. Technology week celebration

Type of activities	No. of activities	Number of participants	Related crop/livestock technology
Demonstration and exposure	01	87	DSR, Micro Irrigation, Azolla, Vermicompost unit, Weather station, etc.

D. Celebration of important days in KVKs

	No. of		Farmers	_	Exter	icials	Total		ıl	
Celebration of Important Days	activities	Μ	F	Total	М	F	Total	Μ	F	Total
Republic day (26 th Jan.)	01	31	2	33	12	0	12	43	02	45
International Women's Day (8th Mar.)	0	0	0	0	0	0	0	0	0	0
Ambedkar Jayanti (14th Apr.)	0	0	0	0	0	0	0	0	0	0
World's Veterinary Day (Last week of April)	0	0	0	0	0	0	0	0	0	0
World 'Milk Day	01	24	1	25	6	0	6	30	1	31
World Environment Day (05 June)	01	07	45	52	10	0	10	17	45	62
International Yoga Day (21st Jun.)	01	08	0	08	10	0	10	18	0	18
ICAR Foundation Day (16 July)	01	49	27	76	10	0	10	59	27	86
Independence Day (15th Aug.)	01	29	1	30	11	0	11	40	1	41
Parthenium Awareness Week	05	48	12	60	30	0	30	78	12	90
Hindi Diwas (14th Sep.)										
Gandhi Jayanti (2nd Oct.)	01	08	01	09	15	0	15	23	1	24
Mahila Kisan Diwas (15th Oct.)	0	0	0	0	0	0	0	0	0	0
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	1	0	0	0	15	0	15	15	0	15
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	0	0	0	0	0	0	0	0	0	0
Fisheries day (21 Nov)	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	01	45	3	48	5	0	5	50	3	53
Kisan Diwas (23 rd Dec.)	01	0	30	30	4	0	4	4	30	34
Any other day										
Total	15	249	122	371	128	0	128	377	122	499

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

S1	Date of event	Name of Event/Programme	Interaction of	Participants						
51.	Date of event	Name of Event/1 togramme	Hon'ble PM/AM	Farmers	Staffs	VIP/Others	Total			

							00
1.	27/02/2023	PM Kisan Samman Nidhi	Hon'ble PM and	68	5	0	73
			AM				
2.	18/03/2023	Millets Conference	Hon'ble PM and	55	10	0	65
			AM				
3.	01/05/2023	PM Kisan SammanNidhi	Hon'ble PM and	51	03	0	54
			AM				
4.	27/07/2023	PM Kisan SammanNidhi	Hon'ble PM and	107	11	1	119
			AM				

3.5 a. Production and supply of Technological products

A. Seed production at seed village

Crop	Variety	Quantity of	Value	No. of farmers involved in village seed	Number of farmers to whom seed provide					
-	·	seed (q)	(KS)	production	SC	ST	Other	Total		
Total										

B. Seed production at KVK farm

Type of seed		Quantity of seed	ed Value	Number of farmers					
roduced	Variety	Quantity of seed	(\mathbf{Rs})	to v	vhom see	d provid	ed		
produccu		(4)	(13)	SC	ST	Other	Total		
Cereals (Paddy)	Rajendra Mansuri – 1	364	Not				DSP,		
			received				RPCA		
							U, Pusa		
Cereals (Wheat)	DBW - 39	109	Not				DSP,		
			received				RPCA		
							U, Pusa		
Cereals (Ragi)	Rajendra Madua – 1	4.0	Not				DSP,		
	and Rajendra Madua		received				RPCA		
	-8	1.5.0					U, Pusa		
Oil seed (Mustard)	Rajendra Sufhalam –	16.2	Not				DSP,		
	1		received						
Oil good (Linggod)	US 05 and US 66	1 17	Not				DSD		
Oll seed (Linseed)	JLS-95 and JLS-00	1.1/	NOL				DSP,		
			leceiveu						
Pulses							0,1 454		
Green Manure	-	0.71	Not				DSP,		
(Dhaincha)			received				RPCA		
							U, Pusa		
Commercial crop	Rajendra Ganna – 1	1099.6	368366				Sugarm		
(Sugarcane)	and CoP – 9301						ill &		
							Farmer		
							S		
Fruits									
Forest crop									
Ornamental/flower									
Medicinal									

Grand Total	1594.68 qts			

C. Production of planting materials by the KVKs

Сгор	Variety	No. of planting materials	Value (Rs)	to w	Number o hom plan prov	of farmers nting mate vided	s erial
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Hybrid	1900	1900	71	0	3	74
Cabbage	Hybrid	650	650	5	0	3	8
Tomato	Hybrid	1910	1910	143	0	2	145
Brinjal	Hybrid	795	795	50	0	4	54
Chilli	Hybrid	1750	1750	140	0	2	142
Onion	Mahalakshmi Nashik, Divyashakti, Ratnamali, N-53	131130	16740	60	0	2	62
Others (Ridge gourd, Bottle gourd)	Hybrid, N-shivani	331	1986	123	1	3	127
Commercial seedling	s						
Mulberry							
Sugarcane,							
Sweet Potato							
Turmeric							
Zinger							
Others							
Fruits seedlings							
Mango							
Guava							
Lime							
Papaya	Red Lady	171	5130	70	0	2	72
Banana							
Custard Apple		140	4200	70	0	0	70
Black Berry		70	2100	70	0	0	70
Ornamental plants							
Marigold							
Annual							
chrysanthemum							
Tuberose							
Others							
Medicinal and Aromatic							
Plantation							
Tuber Elephant							
yams							
Spices							
Grand Total	-	138847	37161	802	1	21	824

D. Forest species

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

E. Fodder crops saplings

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

F. Production of Bio-Products

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

G. Production of livestock & fisheries materials

Particulars of Live	Name of the	Number	Value (Rs.)	s.) No. of Farmers benefitted			
stock	breed						
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat							
Other, please specify							
Poultry							

Broilers							
Layers							
Duals (broiler and	Vanraja(Bird)	82.9kg	14093	1	0	13	14
layer)	Vanraja (Egg)	455	3640	6	0	8	14
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Rabbitry							
Fisheries							
Indian carp	Rohu, Katla, Grass Carp	50kg	9000	1	0	5	6
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total		132.9kg, 455 no	26733	8	0	26	34

H. SOIL & WATER TESTING

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

Sl. No	Name of the Equipment	Qty.

b. Details of samples analyzed so far

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

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

S1.	Analysis	No. of Samples analyzed	No. of Villages covered	No. of Farmers benefitted	Amount realized (Rs.)
1.	Soil	2300	48	2300	Soil sample tested by HSM, Ramnagar
2.	Water				
3.	Plant				

4.	Fertilizers		
5.	Manures		
6.	Food		
7.	Others (if any)		

d. Details of World Soil Day Celebration

Sl N o.	No. of Activity conducted	Soil Health Cards distributed	No. of farmers benefitted	No. of VIPs Number of	Name (s) of VIP(s) involved if any	Total No. of Participants attended the program
1.	1	0	45	0	0	45

I. Activities under Rain Water Harvesting structure and micro irrigation system

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

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

1. Name of Seed Hub Centre:

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

2. Quality Seed Production of Pulses

	Crop		Production (q)			
Season		Variety	Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2023						
Dabi 2022						
Kabi 2025						
Summer/Sprin g 2023						

3. Financial Progress

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

2016-17		
2017-18		
2018-19		
2019		
2020		
2021		
2022		
2023		

4. Infrastructure Development

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

3.6 PUBLICATIONS, HUMAN RESOUSES DEVELOPMENT & AWARDS & RECOGNITION

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

S.No	Item	Details of publication bibliographic form	NASS Rating
1.	Research paper	Poudel, A., Singh, S. K., Jiménez-Ballesta, R., Jatav,	9.70
		S. S., Patra, A., & Pandey, A. (2023). Effect of Nano-	
		Phosphorus Formulation on Growth, Yield and	
		Nutritional Quality of Wheat under Semi-Arid	
		Climate. Agronomy, 13(3), 768.	
2.		Pandey, A., Singh, S. K., Sharma, S., Mishra, A. K.,	5.07
		Jatav, S. S., Patra, A., & Pankaj, B. (2023). Effect	
		of Different Arsenic and Biochar Levels on Soil	
		Microbial Population and Enzymatic Activity. Int. J.	
		Plant Soil Sci, 35(16), 443-451.	
3.		Praharaj, S., Jha, R. K., Singh, A. K., Gangwar, S. K.,	9.90
		Singh, R. P., Kundu, M. S., & Patra, A. (2023).	
		Climate-Resilient Rice Establishment Practices:	
		Findings and Lessons from Two Villages in Bihar,	
		India. Sustainability, 15(14), 11082.	
4.		Mukherjee, S., Singh, S. K., Jatav, S. S., Patra, A., &	5.16
		Reddy, G. P. (2023). Effect of Biochar Application on	
		Heavy Metal accumulation in Different Parts of	
		Paddy Plant. International Journal of Environment	
		and Climate Change, 13(11), 4491-4500.	

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5.		Sattar, A., Jha, R. K., Tiwari, R. K., Singh, A. K., Singh, A. K., Das, S., Patra, A. , & Kundu, M. Managing climatic risks in rice-wheat cropping system for enhanced productivity in middle Gangetic plains of India. Frontiers in Sustainable Food Systems 7, 1259528	11.01
6.		Malkani, P., Mani, I., Sahoo, P. K., Ahmad, R., Parray, R. N. S., Alam, W., & Kumar, S. (2023). Design and fabrication of sensor-based herbicide applicator using FEM.	5.23
7.		Malkani, P., Mani, I., Sahoo, P. K., Parray, R. A., Rathod, S. K., Chowdhury, M., & Kurmi, R. (2023). Design of laboratory setup for performance assessment of weed detection and herbicide application system. <i>Pharma Innov. J.</i> , <i>12</i> (7S), 123-	5.23
8.		 Dharmender, I. M., Chopra, S., Roaf Ahmad Parray, A., Kumar, T. V., Rudra, S. G., Kumar, M., & Malkani, P. (2023). Extraction and characterization of sesame seed oil using microwave-assisted enzymatic extraction technology. <i>Extraction</i>, 16. 	5.23
9.		Swain, S. S., Khura, T. K., Sahoo, P. K., Kushwaha, H. L., Parray, R. A., Malkani, P ., & Lande, S. D. (2023). Determination of physical and engineering properties of urea super granules (USG) for design of USG applicator.	5.23
10		Pankaj Malkani, Indra Mani, Pramod Kumar Sahoo, Roaf Ahmad Parray, <u>R.P. Singh,</u> Wasi Alam, Sidhartha Sekhar Swain, and Asha K.R (2022). Changing Trends in Weed Control and Adoption of Spraying Technology in the Kumaon Division of Uttarakhand. <i>Indian Journal of Extension Education</i> . 58(4): 69-76. NAAS rating: 5.95	5.95
11.		R. P. Singh, Abhik Patra, M. S. Kundu, Gagan Kumar, Pankaj Malkani and B. K. Singh (2022).Adoption of Integrated Plant Protection Practices by Sugarcane (Saccharum Officinarum L.) Growers in West Champaran, Bihar. Indian Journal of Extension Education, 58(4): 131-137NAAS rating: 5.95	5.95
12.	Review paper	Suman, J., Rakshit, A., Patra, A. , Dutta, A., Tripathi, V. K., Mohapatra, K. K., & Krishnamoorthi, S. (2023). Enhanced Efficiency N Fertilizers: an Effective Strategy to Improve Use Efficiency and Ecological Sustainability. Journal of Soil Science and Plant Nutrition, 1-17.	9.90
13		Malkani, P., Asha, K. R., & Rathod, S. K. (2023). Developments in Digital Image Processing Technologies for Weed Recognition and Herbicide Application. <i>Indian Journal of Ecology</i> , <i>50</i> (5), 1614- 1618.	5.79

B. Details of Other Publications

S. No.	Particulars	Details of publication bibliographic form	No of copies published (if any)	No of copies distributed (if any)
	Seminar/conference/			
	symposia papers			
1.	Books	Ashutosh Singh,		
		Anshuman Singh,		
		Abhishek Kumar and		
		Rajendra Pratap		
		Singh(2023). Recent		
		Trends of Production,		
		Protection and		
		Improvement in		
		Agriculture. ISBN:978-1-		
		80433-963-3		
		Page: 402		
2.		<u>R.P. Singh(</u> 2023).		
		Apiculture-Principles and		
		Practices ISBN:978-81-		
		958809-4-2. Page: 157.		
		Gyanavi Publishers and		
		Distributers, New Delhi		
1.	Book Chapter	Pankaj Malkani, Rohit		
		Anand, Asha KR, Sunil		
		Kumar Rathod and		
		Sidhartha Sekhar		
		Swain(2023).Advanced		
		Fuel Blends and their		
		usage in CI Engines in		
		Lindotocin A gricultural		
		Updatesiii Agricultural-		
		Volume 6 ISBN: 978		
		93_5570_686_7		
2		Robit Anand Pankai		
4.		Malkani Sunil Kumar		
		Rathod Dharmender		
		Kumar Iba Sidhartha		
		(2023) Robotic Harvesters		
		for Fruits and Vegetables		
		in Advances in Agriculture		
		Sciences, pg49-63		
		ISBN: 978-93-5570-815-1		
3.		RP Singh, Durga Prasad.		
		Mamta Singh, Smita Puri		
		(2023). Lucerne Diseases:		
		A review on status,		
		symptomatology and		
		integrated management in		
		Recent Trends of		

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		Production, Protection and Improvement in Agriculture. Rubicon Publications London, England Page: 402. ISBN:978-1-80433-963-3	
4.		Rubicon PublicationsLondon, England. Page:402. ISBN:978-1-80433-963-3	
5.		Smita Tiwari, <u>RP Singh</u> and Mamta Singh (2023). Molecular markers for Studying Genetic Diversity in Rice Blast Pathogen in Emerging Trends in Crop Improvement. Rubicon Publications London, England	
1.	Popular articles	Patra, A., Singh, R. P., Kundu, M. S., Kundu, A., and Mukherjee, S. (2023). Millet production in India: Challenges and opportunities. Biotica Research Today, 5 (3): 238–241.	
2.		Patra, A., Rai, A., Kumari, V., Das, S., and Choudhury, S. (2023). Conservation agriculture: A pathway to climate- resilient agriculture. Biotica Research Today, 5 (4): 302–304.	
3.		Patra, A., Singh, R.P., Malkani, P., Singh, B. K., and Kumar, G. (2023). Natural farming in India: Prospects and constraints. Biotica Research Today, 5 (5): 382–384.	
4.		डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी. सिंह</u> ममता सिंह <u>(</u> 2023). सस्य क्रियाओं द्वारा दलहनी में रोग एवं कीट प्रबंधन, इंटीग्रल कृषि दर्पण, :(1)168-75	
5.		डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी.</u> <u>सिंह</u> (2023). दलहनी फसलों के मृदा जनित रोग एवं उनका समेकित प्रबंधन, कृषि कुम्भ, 3 (5): 41-42 e-ISSN:2582-9769	
6.		डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी. सिंह</u> (2023). मिर्च की फसल के प्रमुख रोग	

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7.	R. P. Singh, Durga Prasad, Abhik Patra, Gagan Kumar, B. K. Singh, Pankaj Malkani and M. S. Kundu (2023). Mycoinsecticide Fungi: A Sustainable Option for 	
8.	डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी.</u> <u>सिंह</u> (2023). सोलानेसियस सब्जियों के प्रमुख रोग तथा उनका समेकित प्रबंधन, कृषि कुम्भ, 3 (4): 107-116, e- ISSN:2582-9769	
9.	डॉ. दुर्गा प्रसाद एवं <u>डॉ. आर. पी.</u> <u>सिंह</u> (2023). सोलानेसियस सब्जियों के प्रमुख कीट तथा उनका समेकित प्रबंधन ,कृषि कुम्भ, 3 (4): 117-123, e- ISSN:2582-9769	
10.	DurgaPrasadandR.P.Singh(2023).ManagementofInsect-peststhroughEntomopathogenicBacteria,FoodandScientificReports,4(9):35-39, e-ISSN 2582-5437	
11.	डॉ. दुर्गा प्रसाद एवं <u>डॉ. आर. पी.</u> सिंह(2023) टमाटर फसल में समेंकित रोग एवं कीट प्रबंधन , कृषि कुम्भ 3 ,)2 :(99103-, e-ISSN:2582- 9769	
12.	डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी. सिंह</u> (2023). फफूंदनाशी: कार्यविधि, मात्रा एवं नियंत्रित होने वाले पादप रोग, कृषि कुम्भ) 3 ,2 :(66-,72 e- ISSN:2582-9769	
13.	डॉ. दुर्गा प्रसाद एव <u>ं डॉ. आर. पी.</u> <u>सिंह(</u> 2023)दलहनी फसलों में सस्य क्रियाओं द्वारा रोग एवं कीट प्रबंधन, कृषि कुम्भ) 3 ,2 :(7782-, e- ISSN:2582-9769	
14.	Durga Prasad, <u>R. P. Singh</u> and Ajay Tomar (2023).	

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	Biological management of	
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16.	<u>R.P. Singh,</u> Abhik Patra,	
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	JUST AGRICULTURE-	
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	Kumar(2023). Natural	
	Farming in India:	
	Prospects and Constraints,	
	Biotica Research Today-	
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	Magazine, $5(5)$: $582-584$,	
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	Kumar Pankai Malkani	
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	Singh Souray Choudhury	
	Arnah Kundu Savon	
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20.	डॉ. भूषन कुमार सिंह ,डॉ. आर.पी. सिंह,	
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	Production in India:	
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	Health Management,	
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	Nematode: A Potential	
	Bio-Control Agent for	
	Sustainable Crop	
	Production. JUST	
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	Singh(2023) Trichoderma:	
	Mode of action and	
	application methods for	
	crop disease management.	
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27.		Durga Prasad	
		and <u>RP Singh(</u> 2023).	
		Entomopathogenic fungi:	
		Mode of action and	
		application methods.	
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		ISSN: 2582-6654	
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20.		and RP Singh(2023)	
		Entomonathogonia	
		nemetodas: Mode of action	
		and application methods	
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		Biotica Research Today-	
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29.	success story	Pankaj Malkani, R. P.	
		Singh1, Abhik Patra,	
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		Mechanization: A Success	
		Story in Minimum Tillage	
		Technology by an	
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		Sustainable Dice Wheat	
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	Bulletins		
	Agro-advisory bulletins	≻ खरीफ फसल ं में बीज परार	
		🔪 गत्ने का लाल धारी र ग एतंधन	
		गन्ने की फसल में पेड़ी कुंठन र ग	
		प्रबधन	
		≻ गन्ने के उकठा र ग का प्रबंधन	
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		🏲 गन्न क समत्र कोट े क बर्ाएं	

	≻ गन्ने के लाल सडन र ग का प्रबंधन	
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	पहर्ान एवं प्रबंधन	
	≻ गन्ने में ऊनी माहूँ कीट का प्रबंधन	
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	≻ गन्ने मे गुरुदासपुर कीट की पहर्ान एवं प्रबंधन	
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	≻ गन्ने में जड़ बेधक कीट की पहर्ान एवं प्रबंधन	
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	प्रबंधन	
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	≻ गन्ने में पायररला कीट की पहर्ान	
	एवं प्रबंधन	
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	≻ गन्ने में प री बेधक कीट की पहर्ान	
	एवं प्रबंधन	
	➤ गन्ने में प्लासी ब रर कीट की पहर ान एवं प्रबंधन	
	 २२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२२	
	प्रबंधन	
	≻ गन्ने में शल्क कीट की पहर्ान एवं	
	प्रबंधन	
	गन्ने में सफेद सगडार कीट की पदा अप पत्र प्रवंशन	
	भरुर्ान एव प्रबधन अस्य मन्त्री कींग्र मान्सी कींग की	
	 गण म सफद मक्का काट का पहर्ान एवं प्रबंधन 	
	≻ गेहूँ की फसल में अनावृि कंडुआ	
	एवं करनाल बंट र ग की पहर्ान एवं	
	प्रबधन	
	मेहूँ की फसल में गेरुई र ग की पड़्य ान प्रतं प्रतंधन	
	ारुर्ान ९५ त्रषयन असे की प्रसन्न में सन्मण र म जी	
	र गरू भा कराता न झुलासा र ग का पहर्न एवं प्रबंधन	
	≻ नें में फली भेदक कीट का सनयंत्रण	
Extension Folders	KVK at a Glance	

Technical reports	1. Annual Progress Report of KVK, Narkatiaganj for the year 2022
	 2. /th EEC report 3. Action Plan of KVK, Narkatiaganj for the year 2023 - 2024 4. SAC meeting report of 2023
News letter	
Electronic Publication (CD/DVD etc)	

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.	Dr. Abhik Patra,	Global Symposium on Soils and Water	2–5 Oct., 2023; 4 days	Food and Agriculture Organization of the United Nations
2.	Dr. Abhik Patra, Dr B. K Singh, Pankaj Malkani Dr. Gagan Kumar	Natural Farming Training	25–27 March, 2023; 3 days	Dr. Rajendra Prasad Central Agricultural University, Pusa
3.	3. Dr. Abhik Patra, Agriculture: Farming with new Perspectives			CSJMU Kanpur, ICAR-ATARI Kanpur and ICRISAT, Hyderabad
4.	Dr. Abhik Patra, Dr B. K Singh, Pankaj Malkani Dr. Gagan Kumar	Online training programme on "Value Chain Extension"	13–15 June, 2023; 3 days	Dr. Rajendra Prasad Central Agricultural University, Pusa in collaboration with MANAGE MANAGE, Hyderabad
5.	Dr B. K Singh	Dairy farming a profitable Venture	20-22June, 2023;3days	MANAGE,Hyderabad
6.	Dr B. K Singh Managerial skills for extension 26-28June, professionals 2023;3days		MANAGE, Hyderabad	
7.	Dr. Abhik Patra	Course on "Geospatial Technology for Climate-Smart Agriculture"	10–14 July, 2023; 5 days	Indian Institute of Remote Sensing and Indian Space Research Organisation, Dehradun

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

Type of attachment	No of student trained	No of days stayed

E. Awards/Recognition

Institutional Award received by KVK

Sl. No.	Name of the Award	Conferring Authority	Amount	Purpose
1.	Best Stall Demonstration in line department	DRPCAU, Pusa, Samastipur	Nil	Kisan Mela
2.	Appreciation/Recognition for best work in KVK, Narkatiaganj, West Champaran Bihar	By DrP.S.PandeyHon'bleViceChancellor, DrRajendraPrasadCentralAgriculturalUniversity,Pusa, Bihar	Nil	Best performing KVK

Award received by KVK Scientists

SI.	Name of the Award	Name of the Scientist	Value in Amount/	Purpose	Conferring Authority
1.	Certificate	Pankaj Malkani	Nil	Peer reviewing	International journal of
	of			journal	Plant and soil Science
	excellence			manuscript	
	in				
	Reviewing				
2.	Certificate	Pankaj Malkani	Nil	Peer reviewing	Asian journal of
	of			journal	Agricultural and
	excellence			manuscript	Horticultural Research
	in				
	Reviewing				
3.	Young	Dr. B. K.Singh	Nil	In the field of	Climate change and its
	Extension			Extension	impact, AETDS
	scientist			Education	
	Award				
4.					

Award received by Farmers

SI.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority
1.	Abhinav Kisan Purashkar	Mr. Sachin Singh	Katsikri, Ramnagar, West Champaran,Bihar	8969084117	68536778539	Rs. 5000	Sugarcane progressive farmer	RPCAU, Pusa

3.7. TECHNOLOGY DEVLOPMENT

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

S1.	Name/ Title of	Brief details of the	Impact of the	Status of
No.	the technology	Innovative Technology	technology	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

Give details of by the farmer (if Any)

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)

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

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

4. IMPACT

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

Name of specific			Change in income (Rs.)			
technology/skill transferred/training	No. of participants	% of adoption	Before (Rs./Unit)	After (Rs./Unit)		
Sugarcane settling transplanting technique- Training, Demonstration and advisory services	50	45%	83,750	150,750		

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

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

Horizontal spread of technologies			
Technology	Horizontal spread		
Sugarcane settling transplanting technique	915 ha		

Give information in the same format as in case studies

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

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of entrepreneurship development

Entrepreneurship development		
Name of the enterprise		
Name & complete address of the entrepreneur		
Role of KVK with quantitative data support:		
Timeline of the entrepreneurship development		

Technical Components of the Enterprise	
Status of entrepreneur before and after the	
enterprise	
Present working condition of enterprise in terms	
of raw materials availability, labour availability,	
consumer preference, marketing the product etc. (
Economic viability of the enterprise):	
Horizontal spread of enterprise	

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

Name of farmer	Mr. Deepender Dubey
Address &	Village :– Durwalia, Post :- Narkatia
Contact details	Block :- Narkatiyaganj, Dist :- West Champaran
(Phone, mobile,	Pin :- 845455, Mobile No-9955819323
email Id)	
Assets	10
(Landholding	
(in	
ha.)/Livestock)	
Name and	Conservation tillage using super seeder in wheat -paddy cropping pattern
description of	
the farm/	
enterprise	
Achievement of	Net income increased by 44% fro year 2022-23 from base period 2021-22
the farmers	
KVK	Deepender Dubey, a farmer from village- Deolia, post- Narkatiaganj, block-
intervention	Narkatiaganj, tehsil- Narkatiyaganj, district- West Champaran, owns 10-hectare land.
(planning &	In addition to farming, he has 20 milk producing buffaloes. His family comprises 5
Implementation	members, all dependent on him. West Champaran, a district of Bihar comes under the
)	region of in which Paddy- wheat crops are important crops after sugarcane during
	the crop growing season. The Krishi Vigyan Kendra (KVK) initiated several training
	and awareness program aimed at advancing wheat -paddy crop sowing dates using
	conservation tillage machines. In 2021-22, KVK, Narkatiagani, conducted field
	demonstrations on conservation tillage sowing for wheat and paddy in various district
	areas and has since placed a strong emphasis on conservation technology (CTT)
	KVK organized field tours front-line demonstrations and facilitated the development
	of private service providers to promote zero tillage. The results were remarkable
	leading to input sayings, early grop, establishment, and increased grop yields
	Additionally configure and any crop establishment, and increased crop yields.
	Additionally, early sowing and proper crop establishment reduced issues related to
	terminal heat and lodging. The promotion of conservation tillage for wheat and paddy
	was supported by different KVK projects, and the Climate Resilient Agriculture
	(CRA)project. Mr. Dubey has attended training programs and gained substantial
	knowledge form KVK on conservation agriculture for paddy and wheat crop. Earlier,
	Mr. Dubey sowed wheat and paddy with the help of rotavator and cultivator by
	transplanting in paddy and broadcasting technique in wheat which was costlier to him.
	Every season, after burning the crop residue he used to be tense and thought of a
	machine which could turn over the crop residue or cut them into tiny pieces and mix
	them up in the field. With this thought, one day Mr. Dubey reached to the nearest
	KVK, Narkatiagani, West Champaran and met Dr. Pankai Malkani, Subject Matter
	Specialist and Dr. R.P. Singh, Head, KVK and discussed thoroughly about the issue
(in ha.)/Livestock) Name and description of the farm/ enterprise Achievement of the farmers KVK intervention (planning & Implementation)	Conservation tillage using super seeder in wheat -paddy cropping pattern Net income increased by 44% fro year 2022-23 from base period 2021-22 Deepender Dubey, a farmer from village- Deolia, post- Narkatiaganj, block- Narkatiaganj, tehsil- Narkatiyaganj, district- West Champaran, owns 10-hectare land. In addition to farming, he has 20 milk producing buffaloes. His family comprises 5 members, all dependent on him. West Champaran, a district of Bihar comes under the region of in which Paddy- wheat crops are important crops after sugarcane during the crop growing season. The Krishi Vigyan Kendra (KVK) initiated several training and awareness program aimed at advancing wheat -paddy crop sowing dates using conservation tillage machines. In 2021-22, KVK, Narkatiaganj, conducted field demonstrations on conservation tillage sowing for wheat and paddy in various district areas and has since placed a strong emphasis on conservation technology (CTT). KVK organized field tours, front-line demonstrations, and facilitated the development of private service providers to promote zero tillage. The results were remarkable, leading to input savings, early crop establishment, and increased crop yields. Additionally, early sowing and proper crop establishment reduced issues related to terminal heat and lodging. The promotion of conservation tillage for wheat and paddy was supported by different KVK projects, andthe Climate Resilient Agriculture (CRA)project. Mr. Dubey has attended training programs and gained substantial knowledge form KVK on conservation agriculture for paddy and wheat crop. Earlier, Mr. Dubey sowed wheat and paddy with the help of rotavator and cultivator by transplanting in paddy and broadcasting technique in wheat which was costlier to him. Every season, after burning the crop residue or cut them into tiny pieces and mix them up in the field. With this thought, one day Mr. Dubey reached to the nearest KVK, Narkatiaganj, West Champaran and met Dr. Pankaj Malkani, Subject Matter Specialis

											10
	of crop paddy seasor increa should After g of land tradition	p residue crop residue and to se the p l accept getting s d for ric onal me	es. Dr. M sidue and eradicate roduction services atisfied w e and wh thod on l	alkani advis l for sowing the hectic n and fertil of KVK to with advices neat crop an proadcastin	ed and trai g the whea job of burn ity of soil enhance h a, he decide nd sown an g method t	ined hi t and p ning th . Scien is agrid ed to us nother for wh	m to use addy dua e crop re tists adv cultural i se Super 10 ha or eat and t	sup ring sidu isec nco seec n his rans	er seeder rice-wh ue which l Mr. Du me and j ler mach s brother splanting	for eat in ubey proc ine 's l g me	choping cropping turn will that he luctivity. on 10 ha and with ethod for
Impact (Economic/ Social/Environ mental)	With t 2022-2 for par succes yield f 53500 These baselin approx compa during produce manage farmer Table	he help 23 session ddy and safully herom his 0 from figures for the period kimately ured to the 2021-2 ce and go the period to the 2021-2 ce and go the period to the construction of the	of Super on at alm wheat ar arvested 10ha fari paddy an represent d 2021-2 Rs. 11,0 ne previou 2. Mr. D ives cred project. M aptation of ne gener	seeder, Mr ost 76.1% d crop resp 470 quinta nland. Nota d wheat, re an impress 2. Mr. Dub 03,800 from us baseline bubey is del it to KVK fr. Dubey al of super-see ation before	Dubey so and 83.2% pectively. I l of paddy ubly, he acl espectively twe surge o ey is prese 10 ha far period 202 ighted wit for availab so become eder techno	owed p of co During and 4 nieved y, durin f 29.93 ently ge mland 1-22 w h sowed le tech the ser ology. of tecl	addy-wh st involv the agric 19.6 of v net retur og the ag % and 6 enerating a signifi here the ed wheat niques a vice pro	eat ed i cultu vhea ns o gricu 1.71 g a r cant inco and nalo vide	on 10 ha n traditional year at, encor f Rs. 568 altural year to over net annual t increas to me was a paddy begous to er and tra	a are onal 202 npas 3800 ear the al ir Rs. and crop inec	ea during method 2-23, he ssing the and Rs. 2022-23. previous come of 43.61% 8,86113 its final presidue to other
	S.No Names			Area	Area Benchmark (Baseline period (2021-22))						
				(ha/no.)	Production	n Gr	OSS	G	Gross Ne		t
					(qt)	Re	turn (Rs)	Co	ost (Rs)	In (R	come s)
	1.	Paddy (Transp	lanting)	10	490	95	0600	51	2850	43	7750
	2.	Wheat (Broadc	asting)	10	356.5	704	704088 3		3263 33		0825
		Total				16	54688	88	6113	76	8575
	*MSp i Table 2	n paddy= 2: Impact	=1940, Msj of adoptic	p in wheat=1 on of Super S	975 eeder						
			Area	For year 20)22-23				Increme Benchm	ent o Iark	ver period
	S.N Name (ha/r o s)		(ha/no.)	Productio n (qt)	Gross Return (Rs)	Gross Cost (Rs	Net Incon (Rs)	ne	Product n (%)	io	Net Incom e (%)







Name of farmer	Mr. Vinay Kumar Pandey
Address	Village: Barnihar, Block: Narkatiaganj, W. Champaran
Contact details (Phone, mobile, email Id)	7488267391
Landholding (in ha.)	16
Name and description of the farm/ enterprise	Sugarcane cultivation through Zero/Minimum tillage technology + Dairy enterprises.
Methodology adopted by the farmers	He has modified/developed Zero/Minimum tillage sugarcane cutter planting machine with trench opener & sub-soiler, electric power sugarcane bud cutter, hand sugarcane bud cutter, sugarcane power take off weeder- tractor operated, power take off generator for irrigation-tractor operated-3-4 tube well at a time, sugarcane leaf destresser, modified boom sprayer-tractor operated, modified knapsack sprayer and modified tractor mounted aero tiller to use mixing of waste material for proper decomposition
Economic impact	He is using zero/minimum tillage (25% Tillage) sugarcane cutter planter with trench opener & sub-soiler machine in their sugarcane cultivation. He is reducing the total cost of sugarcane cultivation by 28-32% and reducing only sowing cost by 55%. Sub-soiler and rotary attachment help breaking the hard layer of soil and planting sugarcane at proper depth (20-25 cm) and width (45 cm). He is using electric power sugarcane bud cutter/occasionally hand operated bud cutter for cutting of buds from cane and reducing the cost of bud removal, labor and time saving. Tractor driven sugarcane power take off weeder is used for removal of weeds with roots in less time. PTO. (Power Take-off) - tractor driven generator is used to operate at a time 3.4 tube wells cimultaneously for

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	irrigation in the area of Gandak basin (within 1 kilometer radius). This technique saved fuel cost and time. They used sugarcane leaf destresser (Sugarcane Shredder - with 5 HP Engine) machine for leaf destresser from cane. It is suitable for sloping-straight and all types of sugarcane in easy and in a short time. Low cost tractor driven boom sprayer (30 liter/min) with drenching attachment machine is used for spraying of pesticides. Now, he is getting 29.80 % more net income over conventional practices from sugarcane crop and reduces the overall cultivation cost of sugarcane up to 28-32% and only sowing cost by 55%. By the use of minimum tillage technology and other modified equipments in sugarcane cultivation practices also reduces the cost of weedicides, irrigation charges, costs of labour charges, fuel charges, costs of pesticides, drudgery reduction and time saving also. He is also getting income from their implements/equipment when used as custom hiring and also sale to other farmer's.
Social impact	The partner farmers and neighboring farmers were fully convinced about zero/minimum tillage sugarcane cutter planter with trench opener & sub-soiler machine, electric power sugarcane bud cutter, hand sugarcane bud cutter, sugarcane power take off weeder- tractor operated, power take off generator for irrigation- tractor operated-3-4 tube well at a time, sugarcane leaf destresser, modified boom sprayer-tractor operated, modified knapsack sprayer and modified tractor mounted aero tiller to use mixing of waste material for proper decomposition. There modified implements are also used as custom hiring at lower charges in neighboring areas and also purchased by several farmers for their sugarcane cultivation practices. Farmer's confidence improved with KVK scientist and sugar mill officials to have face to face discussion and facilitated sharing of knowledge with experiences.
Environmental impact	The zero/minimum tillage sugarcane cutter planter with trench opener & sub-soiler works as conservation technology because it involve minimum soil disturbance, soil cover through previous crop residues, conserve the moisture, crop residues decomposed in the soil and improve soil health environment and also reduces weed flora, insect-pest and disease infestation These are helping for achieving higher productivity and quality produce. This technology is suitable for climate resilient agriculture. There are potential benefits of conservation agriculture across different agro-eco-regions of farmers groups. The advantage of this technology is easy adaptability in heterogeneous agro-ecological and socio-economic environment. These modified technologies are conserving the resources and enhancing productivity and profitability.
Horizontal/ Vertical spread	The rapid horizontal/vertical expansion of zero/minimum tillage sugarcane cutter planter with trench opener & sub-soiler attachment technologies for sugarcane planting are ensured. The outcome of these modified technologies are suitable for higher sugarcane production and conserving the resources and it also inspired the farming communities to replace their conventional method of transplanting of sugarcane. More than 100 acre area are being cultivated by this technologies.



4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
National Horticulture Mission	To establish model nursery, vegetable seed production,
	training of farmers, supply of planting materials
ATMA, West Champaran	Training of farmers, Infrastructure development, Assessment,
	refinement, validation and adaptation of trial
Directorate of Sugarcane, Bihar Govt.	Development of seed production programme of Sugarcane
DHO, W. Champaran	Training of farmers, Kisan goshthi
DAO, W. Champaran	Training of farmers, Kisan goshthi and Kisan Mela
DFO, W. Champaran	Training of farmers, Kisan goshthi
DAHO, W. Champaran	Training of farmers, Kisan goshthi
NGO	Training of farmers, Kisan goshthi
Super Kisan Clubs,	
Fakirana Sister Society	
KisanJagaranSamittee, Bagaha	
NABARD	Formation of Kisan club, Training of Farmers, Krishan
	goshthi.
CISA	Training of farmers, gosthi, field visit
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	, i mu

Training of farmers

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

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE INDICATORS

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

C 1	Nome of	Year	Area	Details of production			Amour	ıt (Rs.)	
SI.	domo Unit	of	(Sq.	Variety/bre	Droduce	Otv	Cost of	Gross	Remarks
INO.	denio Unit	estt.	mt)	ed	Floduce	Qty.	inputs	income	
1.									
2.									
3.									
4.									
5.									
6.									
7.									
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing		a)	Details	s of produc	tion	Amou	nt (Rs.)	
		Date of harvest	Area (h	Variety	Type of Produc e	Qty.(q)	Cost of input s	Gross incom e	Remark s
Paddy	15.07.202 3	05.12.202 3	7. 0	Rajendra Mansuri – 1	F/S	364			Khari f – 2023
Wheat	07.12.202	17.04.202 3	6. 0	DBW – 39	F/S and C/S	109			Rabi, 2022 - 2023
Ragi	03.08.202 3	15.11.202 3	0. 4	Rajendra Madua – 1	T/L	2.82			Khari f – 2023
Ragi	03.08.202 3	15.11.202 3	0. 4	Rajendra Madua – 8	T/L	1.18			Khari f – 2023
Mustard	13.11.202 2	17.03.202 3	1. 0	Rajendra Sufhala m – 1	T/L	16.2			Rabi, 2022

							_ 2023
Linseed	05.12.202 2	10.04.202 3	0. 3	JLS-95 and JLS- 66	T/L	1.17	Rabi, 2022 - 2023
Dhaincha	24.07.202 3	04.11.202 3	0. 4	-	T/L	0.71	Khari f – 2023
Sugarcan e	Ratton	01.12.202	3. 0	Rajendra Ganna – 1 and CoP – 9301	T/L	1099. 6	Sprin g – 2023

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

S1.	Name of the		Amou	nt (Rs.)	
No.	Product	Qty. (Kg)	Cost of inputs	Gross income	Remarks
1.					

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

S1.	Name	Deta	Details of production			ount (Rs.)	
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Poultry	Vanraja, Sonali	Egg, Bird	455pc, 82.9kg	12500	17733	Started in May 2023 with 150 birds, Egg laying from October 2023
2.	Fisheries	Rohu, Katla, Grass Carp	Fish	50 kg	3000	9000	Only one harvesting
3.							

6.5. Performance of Automatic Weather Station in KVK

Date of establishment	Source of funding i.e. IMD/ICAR/Others	Present status of functioning
	(pl. specify)	
20/09/2023	Others- RPCAU, Pusa	Working

6.6. Utilization of hostel facilities

Accommodation available (No. of beds)

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

(For whole of the year)

6.7 Utilization of staff quarters

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

Months	QI	QII	Q III	QIV	QV	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Main A/c	Punjab National Bank	Shivganj Chowk,	0859002100006775
		Narkatiyaganj, West	
		Champaran, Bihar	
Revolving A/c	Punjab National Bank	Shivganj Chowk,	0859000100346611
		Narkatiyaganj, West	
		Champaran, Bihar	
CFLD Pulse	State Bank of India	Main road Narkatiyaganj,	42514566550
		West Champaran, Bihar	
CFLD Oilseed	State Bank of India	Main road Narkatiyaganj,	42514660440
		West Champaran, Bihar	

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

Itam	Release	ed by ICAR	Expe	enditure	Unament helenes as on
nem	Kharif	Rabi	Kharif	Rabi	Unspent balance as on -
2022-2023					
i) Critical input		2.202		2.112	Nil
ii) TA/DA/POL etc.				0.05	Nil
for monitoring					
iii) Extension				0.04	Nil
Activities (Field Day)					
iv) Publication of				0	Nil
literature					
Total		2.202		2.202	Nil

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

	Released	by ICAR	Exper	nditure	Unspent balance
Item	Kharif	Rabi	Kharif	Rabi	as on 1 st April
					2022
2022-2023					
i) Critical input		0.792		3.291	-2.499
ii) TA/DA/POL etc. for		0		0.08	-0.08
monitoring					
iii) Extension Activities		0		0.05	-0.05
(Field Day)					
iv) Publication of literature		0		0	0
Total		0.792		3.421	-2.629
2023-2024					
i) Critical input		0.804		1.19	-0.386

ii) TA/DA/POL etc. for monitoring	0	0.08	-0.08
iii) Extension Activities (Field Day)	0	0.04	-0.04
iv) Publication of literature	0	0	0
Total	0.804	1.31	-0.506

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Re	curring Contingencies			
1	Pay & Allowances	102.767	82.22	81.81
2	Traveling allowances	0.9	0.9	0.7
3	Contingencies			
Α	Stationary, Telephone, Postage, Electric bill and others.	4.0	4.0	3.4
В	Training of Farmers			
С	Training materials (posters, charts, demonstrationetc)			
D	Training of extension functionaries			
E	Training of Rural Youth			
F	FLD other than Oilseeds & Pulses			
G	OFT			
H	Soil & Water Testing Lab			
Ι	Maintenance of building			
J	Estension activities, Kisan Mela etc			
K	Swachhta Expenditure	8.56	8.4184	7.17977
	TOTAL (A)	12.56	12.4184	10.57977
B. No	n-Recurring Contingencies			
1	Works	-	-	-
2	Vehicle	-	-	-
3	Furniture & Fixture	-	-	-
4	Equipments	-	-	-
	TOTAL (B)	-	-	-
C. RE	EVOLVING FUND	-	18.49468	12.57903
	GRAND TOTAL (A+B+C)	116.227	114.033	105.6688

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

Year	Year Opening balance as on 1 st April		Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2021	-	2.09235	1.20983	0.88252
2022 2.74805		10.13560	12.88365	12.10558
2023 0.77301		17.72167	12.57903	5.91565

7.6. (i) Number of SHGs formed by KVKs

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

7.7. Joint activity carried out with line departments and ATMA

Name activity	of	Number activities	of	Season	With line department	With ATMA	With both

			113

7.8 Revenue generation

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

7.9 Resource Generation

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

8. MISCELLANEOUS INFORMATION

8.1. Prevalent diseases in Crops

Name of the	Crop	Date of	Area	%	Preventive measures taken for area (in
disease	-	outbreak	affected	Commodity	ha)
			(in ha)	loss	
Alternaria	Mustard	1 st week of	50	8-10%	Same as in affected area by spraying
blight		December			of Azoxystrobin 23% SC @ 1 ml/Liter
-					of water
Blast	Paddy	2 nd week of	100	10-12%	Same as in affected area by spraying
		September			of Hexaconazole 5% EC @ 1 ml/Liter
					of water
Brown spot	Paddy	2 nd week of	100	12-15%	Same as in affected area by spraying
		September			of Propiconazole 25% EC @ 1
					ml/Liter of water
False smut	Paddy	3 rd week of	125	10-15%	Same as in affected area by spraying
		September			of Propiconazole 25% EC @ 1
					ml/Liter of water
Blight	Wheat	2 nd week of	75	8-10%	Same as in affected area by spraying
		December			of Propiconazole 25% EC @ 1
					ml/Liter of water
Pokkah	Sugarcane	1 st week of	250	15-18%	Same as in affected area by spraying
boeing		July			of Copper Oxychloride 50% WP @ 2-
					2.5gram/liter of water
Red rot	Sugarcane	1 st week of	>250	25-30%	Same as in affected area by spraying
		July			of Thiophanate Methyl 70% WP @ 1
					gram/liter of water
Wilt	Sugarcane	Last week	>250	30-40%; in	There is no preventive measure
		of		some plots	adopted by farmers
		September		100% loss	
				(about 50	
				ha)	

8.2. Prevalent diseases in Livestock/Fishery

				-	-
Name of the	Species affected	Date of	Number of	Number of	Preventive
disease		outbreak	death/ Morbidity	animals	measures
			rate (%)	vaccinated	taken in pond
					(in ha)
LSD	Cattle	Mid April	Under 100	-	Vaccination
		_			for LSD
FMD	Cattle	May	10 %	-	Vaccination
PPR	Goat	February	21%	-	Vaccination

8.3. Nehru Yuva Kendra (NYK) Training

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

8.4. PPV & FR Sensitization training Programme

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

8.5. KVK Portal and Mobile App: Website Not Develop yet

S1.	Particulars	Description
No.		
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	

8.6 Details of KVK Portal : Website Not Develop yet 8.7 Kisan Mobile Advisory Services/KMAS (m-Kisan Portal/Nation

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

Sl. No.	Discipline	No. of Advisories	No. of Messages (text+ videos)	Total messages	No. of Farmers
1.	Crop	25	25	25	3725
2.	Livestock	11	11	11	1640
3.	Weather	40	40	40	5960
4.	Marketing	0	0	0	0
5.	Awareness	7	7	7	1050
6.	Enterprises	0	0	0	0
7.	Others	4	4	4	633
	Total	87	87	87	13008

8.5 Kisan Sarathi

Name of KVK	No. of Farmers Registered on Portal
KVK- Narkatiaganj	7365

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

Date/ Duration	Total No. of A stivition undertaken	No. of Participants			
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total
$2^{nd} - 31^{st}$	6	90	120	0	210
October	0				

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

Date/ Duration	Total No. of Activities undertaken	No. of Participants			
of Observation	Total No of Activities undertaken	Staffs	Farmers	Others	Total
16-31	11	195	1659	6	1854
December	11				

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		

8.7. Details of 'Pre-Rabi Campaign' Programme

Date of progra	mme
No. of Union Mi attended the prog	nisters ramme
No. of Hon' bl (Loksabha/Rajy: participate	e MPs 1sabha) d
No. of State C Ministers	lovt.
MLAs Attended the programme	
Chairman ZilaPanchayat	
Distt. Collector/ DM	Par
Bank Officials	ticipants
Farmers	(No.)
Govt. Officials, PRI members etc.	
Total	
Coverage by I Darshan (Yes	Door No)
Coverage by c channels (Nun	ther lber)

8.8 . Vikisit Bharat Sanklap Yatra (LLB and ULB)

SI. attended covered farmer Farming participated
--

1.	44	44	7498	88

8.9. Contingent crop planning

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

9. Information on Visit of Ministers to KVKs, if any: No

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)

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

Date	Name of the person	Purpose of visit
10.03.2023	Shree K. Ranjit, DIG-SSB	For combined activities with SSB
21.03.2023	Dr. D. K. Roy, DoS, RPCAU	Visit of seed farm of KVK,
		Narkatiaganj
27.07.2023	Smt. Rashmi Verma, MLA-	PM Kisan Samman Nidhi programme
	Narkatiaganj	
14.08.2023	Dr.P.K.Gupta, Add. Director,	Visit of KVK, Narkatiaganj
	NHRDF, New Delhi	
09.09.2023	Dr. P. S. Pandey, V.C., RPCAU,	Farmers Scientist interaction
	Pusa	programme
09.10.2023	Dr. A. K. Singh, DoR, RPCAU,	Visit of KVK, Narkatiaganj
	Pusa	
28.10.2023	Dr. R. Vishwanathan, Director-	Visit of KVK, Narkatiaganj
	IISR, Lucknow	
28.12.2023	Shree Ram Singh, MLA-Bagaha	Visit of KVK, Narkatiaganj

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

11.1. 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					

11.2 Details of Tribal Sub Plan (TSP)

a. Achievements of physical output under TSP

Sl.	Activities	Physical Achievem	ent
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
с.	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)		
с.	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	No. per household	
	implements/ tools etc.		

d. Location and Beneficiary Details during 2023

District S	Sub-	No. of Village	Name of village(s)	ST population benefitted (No.)						
	district	covered	covered	М	F	Т				

11.3. Details of Scheduled Caste Sub Plan (SCSP)

Sl.	Activities	Physical A	Achievement
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	15	491
b.	Women		
с.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		03	116
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
		5	60
5)	Other activities		
a.	Participants in extension activities (No.)		491
b.	Production of seed (q)		
с.	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.)		

11.4. NICRA (Technology Demonstration component)

a. Natural Resource Management

Name of intervention undertaken	Numbers	No	Area		N	o of	f far be	mers	s cov tted	verec	1/		Demerke
	taken	of units	(ha)	SC		ST	,	Other		Total			Remarks
				Μ	F	Μ	F	Μ	F	Μ	F	Т	

b. Crop Management / Production

Name of intervention undertaken	Area (ha)		No	of fai		Remarks					
		S	С	S	ST		Other		Total		
		Μ	F	Μ	F	Μ	F	Μ	F	Т	

c. Livestock and fisheries

Name of intervention	Number	No	Area		Ν	0 0	f far	mer	s cov	verec	1/		Remarks
undertaken	of	of	(ha)	benefitted									
	animals	units											
	covered												
				SC ST Other Tota						tal			
				Μ	F	Μ	F	Μ	F	Μ	F	Т	

d. Institutional interventions

Name of intervention undertaken	No of units	Area (ha)	N	No c	of fa	rme	rs co	overe	ed / t	ben	efitted	Remarks
			SC	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	S	Т		Othe	r	Total		
		Μ	F	Μ	F	Μ	F	Μ	F	Т

f. Extension activities

Thematic area	No of activities	No of beneficiaries								
		SC	C ST		T Other			Total		
		Μ	F	Μ	F	Μ	F	М	F	Т

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

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

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

S.No	Name of the FPO	Registration No and Date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
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11.6. Nutri-Sensitive Agricultural Resources and Innovation (NARI)

a. Overall achievement

No. of Nutri smart village developed	Total Area covered	Total No of OFT organized	Total No. of FLD organized	No. of training/capacity development programme	Total No. of farmers/ beneficiaries	No of Extension programmes	Total No. of farmers/ beneficiaries

b. Details of OFT/FLD

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

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

S1.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.		Backyard/Kitchen Garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

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

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

e. Details of Value addition in Nutri-Smart village

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

f. Training programmes in Nutri-Smart village

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

g. Extension activities under NARI Project

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

h. Details of recipe contest (if applicable)

No of events organised	Name of location/village	No. of participants
------------------------	--------------------------	---------------------

1	
2	
3	

11.7Attracting and Retaining Youth in Agriculture (ARYA)

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

11.8 Out-scaling of Natural Farming

a. Overall achievements

S.No	Name of Activity	No. of activities	No. of beneficiaries
1.	Awareness programme		
2.	Training programme		
3.	Demonstrations		

b. Details of Training programmes

S.No	Name of training programme	Date	Location/Venue	No. of beneficiaries

c. Details of Awareness programmes

S.No	Name of Activity	Date	Location/Venue	No. of beneficiaries

e. Details of Demonstrations

S.No	Name of Crop	Location of Demo.	Area of Demo.

11.9 District Agro Meteorological Unit (DAMU)

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

11.10 KSHAMTA

Number of Adopted Villages	No. of A	ctivities	No. of farmers benefited	
Tumber of Ruopted Vinages	Demo	Training	Demo	Training

11.11 Agri-Drone

S.N	Name on the	No. of	No. of	Procureme	Area	No. of	No. of	No. of
0	project implementati on center (PIC)	kisan drones sanctione d	kisan drones purchase d by the	nt of no of drones in process	covered under the kisan drone demonstratio	demonstratio n conducted	Pilot training propose d	Pilot training conducte d
			PIC		n (na)			

11.12 Integrated Farming System (IFS)

a. Details of KVK Demo. Unit

Sl. No.	Module details (Component- wise)	Area under IFS (ha)	Production (Commodity- wise)	Cost of production in Rs. (Component- wise)	Value realized in Rs. (Commodity- wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year

b. Activities under IFS

Sl.	Component	No. of KVKsNo. ofunder theComponents		No. of Components (ha)		ctivities	No. of bene	farmers fited
INO.	Name	Component	established	(ha)	Demo	Training	Demo	Training
1.								
2.								
3.								

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

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

11.14 Any other programme organized by KVK, not covered above

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

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













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