Annual Progress Report

(January, 2022 – December, 2022)



Government of India

Submitted

by



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PROFORMA FOR ANNUAL REPORT 2022 (1st January- 31st December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of VVV	Telej	phone	E Meil	
Name and address of KVK	Office	FAX	E-Maii	
Krishi Vigyan Kendra,	6287797161	_	head.kvk.narkatiyaganj@rpcau.ac.in	
Narkatiaganj, West				
Champaran				
Pin: 845455				

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

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

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

Nama	Telephone / Contact			
Iname	Residence	Mobile	Email	
Dr RP Singh	-	9532460717	head.kvk.narkatiyaganj@rpcau.ac.in	
		Facebook	Krishi Vigyan Kendra West Champaran-II	
		WhatsApp's	6287797161	

1.4. Year of sanction of KVK: 2019

	1.5. Staff Position (as on 31 st December 2022						
Sl. No.	Sanctioned post	Name of the Incumbent	Designation	Discipline	Pay Scale with Present Basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr. R. P. Singh	Senior Scientist and Head	Plant Pathology	Rs.131400-217100 with present basic: Rs.139400.00	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. 57800.00	07/03/2022	Permanent	OBC
3.	Subject Matter Specialist	Dr. Gagan Kumar	Subject Matter Specialist	Plant Protection (Plant Pathology)	Rs 56100-177500 with present basic: Rs. 57800.00	13/03/2022	Permanent	OBC
4.	Subject Matter Specialist	Mr. Abhik Patra	Subject Matter Specialist	Crop Production (Soil Science)	Rs 56100-177500 with present basic: Rs. 57800.00	12/03/2022	Permanent	OTHERS
5.	Subject Matter Specialist	Er. Pankaj Malkani	Subject Matter Specialist	Agricultural Engineering (Farm machinery and power)	Rs 56100-177500 with present basic: Rs. 57800.00	04/05/2022	Permanent	OTHERS
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. 21700/-	10/03/2021	Permanent	Others (EWS)
14.	Driver	Filled	Driver (Tractor)	B. Com.	Rs. 21700-69100 with present basic pay: Rs. 21700/-	01/03/2021	Permanent	OBC
15.	Supporting staff	Filled	Supporting staff	Graduate	Rs. 18000-56900/- with basic pay: Rs. 18000/-	27/02/2021	Permanent	OBC
16.	Supporting staff	Filled	Supporting staff	Graduate	Rs. 18000-56900/- with basic pay: Rs. 18000/-	27/02/2021	Permanent	OBC

1.6. Total land with KVK (in ha):

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

		Alea (lla)
1 U	Under Buildings	1.25
2. U	Jnder Demonstration Units	-
3. U	Jnder Crops	16
4. C	Drchard/Agro-forestry	-
5. C	Others with details	1.45
Т	Fotal	18.7

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)	Under use or not*	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	No							
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								

* 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	24263 km	Good
Bike	2020	50666.00	6976 km	Good
Scooty	2020	50248.00	1880 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	o equipment			
b. Farm machinery: No				
c.AV Aids: No				

D) Farm implements

Name of equipment	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
Multi crop 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

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	25.08.2022	25	1. DAHO West Champaran suggested for enhancement of <i>Azolla</i> Production & to test the impact of <i>Azolla</i> in milk production.	Azolla production unit working in the KVK premises & OFT entitled "Assessment of azolla feeding on milk production in dairy cow" taken for observing the impact of Azolla feeding in milk production.	-
			 Dr. Shivendra Kumar Associate Professor COFs, Dholi, Suggested for enhancing the activities in Tilapia fish & Prawn production. 	Work is being done in this direction	-
			 Sri Kuwar Singh, Dy. Director Sugarcane development. Motihari suggested for observing the adoption of different verities of sugarcane & also suggested for establishing the sugarcane cafeteria in KVK farm. 	Work is being done in this direction & sugarcane cafeteria with different verities and different intercropping is developed in KVK farm.	-
			 Sri Rocky Rawat, Associate Director Plant Protection suggested for organisation training programme on disease & pest infestation in different crops. 	Training is conducted on disease & pest infestation in different crops.	-
			 Dr. P.K. Gupta Vice President, Magadh sugar mill suggested for taking the work on red-rot in sugarcane. 	OFT entitled "Assessment of technology for red rot management in sugarcane" taken for the purpose.	-
			 Sri M.L. Sharma, Assistant General Manager, Harinagar sugar mill suggested for the availability of breeder seeds of Rajendra verities of sugarcane and also suggested for undertaking the trials on biological control method for management of palasi borer & red-rot disease in sugarcane 	Breder seed of R-1 verity of sugarcane is available in KVK for the farmers, work is being done in this direction.	-
			 SDAO, Narkatiaganj and Bagaha demanded for starting the INM training. 	Work is being done in this direction	

	8. Dr. P.P. Srivastava, Dean COFs, Work is being started in this
	Dholi suggested for increasing the direction.
	publications & also suggested for
	providing trainings for SMSs from
	different premium agricultural
	institution & purchase of good
	quality cameras for taking good
	quality pictures & videos.
	9 Dr M S Kundu Director Extension Work is being started in this
	RPCAU Pusa suggested for direction
	displaying flex on complete
	information on important diseases
	and nests of different crons to
	conduct the soil testing in KVK to
	prenare comparative data on STT &
	Traditional method of sugarcane
	cultivation to regular undating of
	KVK portal to paste the
	Newspaper cutting in the register
	to prepare record on compression
	of different parameters of solar
	energy irrigated & rain water
	irrigated cultivation also suggested
	for taking the records on different
	parameters of drin irrigation in
	sugarcane field in the month of
	February to take records on wheat
	hervesting by use of riper cum
	hinder & prepare map of KVK for
	display in the office
	10 Sri Copel Kumer Pendit DDM Work is being started in this
	NABARD suggested for direction
	NADARD Suggested for direction
	act forming & poultry unit in KVK
	form
	11 Earman nonrecentative Sni Anand Successore exfertance with different
	11. Farmer representative STI Analia Sugarcane caleteria with different
	singh suggested for demonstration vertices and different intercropping
	intererenzia in sugarcane & is developed in KVK farm.
	12 Example a sugarcane.
	12. Farmer representative Sri Ragnav Work is being started in this
	Snaran suggested for recording the direction.
	cost benefit of laser land levelling,
	direct sowing of rice, zero tillage

		(
	cultivation of wheat for propagation	
	among the farmers.	

* 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 (2021)

Sl. No.	Items	Information
1	Major Farming system/enterprise	Agriculture + Livestock, Agriculture + Poultry, Agriculture +
		Fisheries, Crop Production + Vegetable Production, Agriculture +
		Poultry + Fish farming, Agri. + Goat rearing
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 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	Sugarcane-680 q/ha, Rice- 30 q/ha, Wheat- 29.6 q/ha
6	Mean yearly temperature, rainfall, humidity of the district	Max temp- 41.6°C, Min temp- 6°C, Rainfall-1300mm, RH-88%
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

2.b. Details of operational area / villages (2022)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust 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

					12
	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:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2022) 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

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

		1.
3.	Farm	Promotion of farm mechanization in cultivation practices of crops for cost and drudgery reduction & yield maximization
	mechanization	
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	Promotion of IPM, IDM and INM practices in mango, litchi etc. orchard
	management	
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 year2022

	OFT													FLD									
No. of techr	No. of technologies tested:													No. of technologies demonstrated:									
Numbe	Number of OFTs Number of farmers											Numb	per of FLDs			N	lumbe	er of fa	rmers				
			Achievement															Ach	nievem	ent			
Target	Achievement	Target SC ST					Others Total				al	Target	Achievement	Target	SC		S	Т	Othe	ers		Tota	1
			Μ	M F M F M F M F				F	Т				Μ	F	М	F	Μ	F	Μ	F	Т		
3	3	21	0	0	2	0	18	1	20	1	21	6	6	85	7	7	14	0	56	5	76	9	85

				Training			Extension activities									
Number of	of			Number of F	Participants		Num	ber of			Numbe	er of participants				
Courses	5						activ	vities								
Targ Ac	hi			Ac	hievement		Tar	Achi	Targe Achievement							
et ev	ve 1	arget	SC-	ST	Others	Total	get	eve	t	SC	ST	Others	Total			

																							14
	men t		М	F	М	F	М	F	М	F	Т		men t		М	F	М	F	Μ	F	М	F	Т
87	87	2610	368	133	180	21	1763	132	2311	317	2628	700	726	90500	19824	9587	6705	4708	77766	1851	104295	16146	120441

	Im	Impact of Extension activities																				
Number of Pa	rticinants trained	Number of Participants Number of participants got employment (self/ was									age/											
Truiniber of Fu	releipunts trained	6	entrep	reneur	/ enga	ged as	skille	d man	power)	atte	nded		entrep	reneur	/ engag	ged as	skilled	1 manp	manpower)		
Target	Achievement	S	С	S	Т	Otł	ners		Total	_	Target	Achievement	S	С	S	Т	Oth	ners		Total		
		Μ	F	Μ	F	Μ	F	Μ	F	Т			Μ	F	Μ	F	Μ	F	Μ	F	Т	

Seed prod	luction (q)	Planting mate	rial (in Lakh)
Target	Achievement	Target	Achievement
400	511.61	90000	93209

Livestock strains and fish fir	ngerlings produced (in lakh)*	Soil, water, plant, manure	s samples tested (in lakh)	
Target	Achievement	Target Achievement		
0 0		0.018	0.018	

* Give no. only in case of fish fingerlings

	Publication by KVKs											
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication					
Research paper	14	14	14	9.87	3.45							
Review papers	02	02										
Books	02	02										
Bulletins	01	01										
News published in News letter	05	05										
Popular Articles	09	09										
Book Chapter	-	-										
Extension Pamphlets/ literature	97	97										
Folder	04	04										
Technical reports	04	04										
Electronic Publication (CD/DVD etc.)	-	-										
Abstract of research paper	24	24										

	(Abstracts)	(Abstracts)			
Newspaper coverage	52	52			
TOTAL	214	214			

3.1.1Achievements on technologies assessed and refined

OFT-1 (Plant Protection)

1.	Title of On farm Trial	Integrated approach for management of brinjal fruit and shoot borer
2.	Problem diagnosed	Low yield and poor quality due to severe infestation on fruit and shoot borer
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice: Indiscriminate use of chemicals TO 1: Use of pheromone trap @ 80s traps/ha TO 2: Lamdacyhalothrin 5% EC @ 0.6ml/litre of water
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IIVR, Varanasi
5.	Production system and thematic area	Insect pest Management
6.	Performance of the Technology with performance indicators	Yield (q/ha), No. of affected plants/10m ² , No. of damaged fruits/plant, B:C ratio
7.	Final recommendation for micro level situation	Use of IPM practices for effective management of brinjal fruit and shoot borer
8.	Constraints identified and feedback for research	The farmer is enthusiastic to adopt the scientific package of practices for IPM technology in brinjal.
9.	Process of farmers participation and their reaction	Field visit and field days

Thematic area: Integrated pest management (IPM)

Problem definition: Low yield and poor quality due to severe infestation on fruit and shoot borer

Technology assessed: Use of pheromone trap @ 80s traps/ha and application of lamdacyhalothrin 5% EC @ 0.6ml/litre of water

Table:

		Performance of technology			Insoct post		Cost of			
Technology option	No. of trials	No. of affected plants/10 m ²	Total fruits/plant	No of damaged fruit/plant	incidence (%)	Yield (q/ha)	cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	BC ratio
FP		6	40	12	30	300	36500	155000	118500	3:20
TO1	08	4	40	9	22.5	425	34500	212500	178000	5:15
TO2		2	40	7	17.5	485	35000	242500	207500	5:92

Results: Performance of IPM technologies were found most effective to control fruit and shoot borer as reported least number of affected plants/10m² as well as damaged fruits/plant. The fruit damage on an average was also reduced by 17.50% compared to 30.00% in farmers practice. The average yield registered 61.67% higher with use of IPM components over farmers' practice. Average net profitability of worth Rs. 207500/ha as compared with farmers practices (Rs. 118500/ha) were obtained and average benefit cost ratio i.e. 5.92 and 3.20 were recorded in demonstrated plot and farmers practice respectively. The integrated pest management technologies were found safe to natural enemies and their efficacy have good impact over crop yield parameters. By this way, the adaptation of IPM technologies and obtaining production can be improved their livelihood insecurity and income of the farming communities as well as environmental protection also.

1.	Title of On farm Trial	Improvement of nitrogen use efficiency in wheat
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	Farmers Practice: RDF (N:P:K :: 100:40:20 kg ha ⁻¹)
	assessment/refinement	TO-I: 50% of RDN and 100% PK + nano urea @ 4 ml lt^{-1} water (single
	(Mention either Assessed or Refined)	spray at 35 DAS)
		TO-II: 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS)
		and (60-65DAS) @ 4 ml lt^{-1} water
4.	Source of Technology (ICAR/	Proceeding of OFT finalization workshop on Agronomy/Soil Science for
	AICRP/SAU/other, please specify)	KVKs Bihar and Jharkhand (Zone-IV) held during 01-03 September, 2022
5.	Production system and thematic area	Nutrient use efficiency enhancement
6.	Performance of the Technology with	• Soil data before and after (pH, EC, OC, NPK)
	performance indicators	

OFT – 2 (Crop Production)

		Yield data
		• No. of effective tillers m ⁻²
		• 1000 grain wt.
		• Panicle wt.
		Straw yield
		• Economics
7.	Final recommendation for micro level situation	Crop is standing and results awaitwd
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

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Thematic area: Nutrient use efficiency enhancement

Problem definition: Excessive use of chemical fertilizer and spiraling price of urea leads to increase in cost of cultivation

Technology assessed: **Farmers Practice:** RDF (N:P:K :: 100:40:20 kg ha⁻¹); **TO-I:** 50% of RDN and 100% PK + nano urea @ 4 ml lt⁻¹ water (single spray at 35 DAS); **TO-II:** 50% of RDN and 100% PK + 2 sprays of nano urea at (35 DAS) and (60-65DAS) @ 4 ml lt⁻¹ water

Table:

Technology	No. of	Y	ield component		Disease/	Yield	Cost of	Gross	Net return	BC
option	trials	No. of	No. of	Test wt.	insect pest		cultivation	return		ratio
		effective	spikelet per	(100	incidence	(q/ha)		(Rs/ha)	(Rs./ha)	
		tillers/hill	panicle	grain	(%)		(Rs./na)			
Farmers	06			wt.)						
Practice	00									
ТО-І			Results: Resul	t awaited						
TO-II										
					-			1	1	

OFT – 3 (Crop Production)

1.	Title of On farm Trial	Diversification of rice-based cropping systems
2.	Problem diagnosed	Low profitability of existing cropping system
3.	Details of technologies selected for	Farmers Practice:Rice – Wheat
	assessment/refinement	TO-I: Rice – Maize + Potato
	(Mention either Assessed or Refined)	TO-II: Rice – Maize + Vegetable Pea
		TO-III: Rice – Wheat – Green gram
4.	Source of Technology (ICAR/	Proceeding of OFT finalization workshop on Agronomy/Soil Science for
	AICRP/SAU/other, please specify)	KVKs Bihar and Jharkhand (Zone-IV) held during 01-03 September, 2022
5.	Production system and thematic area	Crop diversification
6.	Performance of the Technology with	• Soil data before and after (pH, EC, OC, NPK)
	performance indicators	• Rice equivalent yield qt ha ⁻¹ of all crops
		• Sole crop and intercropping cost of cultivation
7.	Final recommendation for micro level	Crop is standing and results awaited
	situation	
8.	Constraints identified and feedback for	
	research	
9.	Process of farmers participation and their	
	reaction	

Thematic area: Crop diversification

Problem definition: Low profitability of existing cropping system

Technology assessed: Farmers Practice: Rice – Wheat; TO-I: Rice – Maize + Potato; TO-II: Rice – Maize + Vegetable Pea; TO-III: Rice – Wheat – Green gram

Table:

Technology	No. of	Y	ield component		Disease/	Yield	Cost of	Gross	Net return	BC
option	trials	No. of	No. of	Test wt.	insect pest		cultivation	return		ratio
		effective	spikelet per	(100	incidence	(q/ha)		(Rs/ha)	(Rs./ha)	
		tillers/hill	panicle	grain	(%)	_	(Rs./ha)			
			-	wt.)						
Farmers	07									
Practice										
TO-I	07									
TO-II	07									
TO-III	07									

Results: Result awaited

Please provide all the OFTs in same format

3.1.2 Technology Assessed by KVK (Discipline wise)

	Technologies assessed under various crop;s by KVKs (Crop Production)			
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management			
2	Varietal Evaluation			
3	Integrated Pest Management			
4	Integrated Crop Management			
5	Integrated Disease Management	1	8	8
6	Small Scale Income Generation Enterprises			
7	Weed Management			
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			

-			-	20
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify) (Nutrient use efficiency enhancement)	1	6	6
16	Cropping Systems	1	7	7
17	Farm Mechanization			
18	Others			
	Total	3	21	21
	Technologies assessed under livestock by KVKs			
		No. of technologies		
	Thematic areas	(Technology Interventions)	No. of trials	No. of locations
1	Disease Management			
2	Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			
6	Processing and value addition			
7	Others (Pl. specify)			
7	Others (Pl. specify) Total	0	0	0
7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs	0	0	0
7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs	0 No. of technologies	0	0
7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5 6	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation Small-scale income generation	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5 6 7	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation Small-scale income generation Storage techniques	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5 6 7 8	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation Small-scale income generation Storage techniques Household food security	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5 6 7 8 9	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation Small-scale income generation Storage techniques Household food security Organic farming	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations
7 1 2 3 4 5 6 7 8 9 10	Others (Pl. specify) Total Technologies assessed under various enterprises by KVKs Image: Thematic areas Drudgery reduction Entrepreneurship Development Health and nutrition Processing and value addition Energy conservation Small-scale income generation Storage techniques Household food security Organic farming Agroforestry management	0 No. of technologies (Technology Interventions)	0 No. of trials	0 No. of locations

				21
11	Mechanization			
12	Resource conservation technology			
13	Value Addition			
14	Others			
	Total	0	0	0
	Technologies assessed under various enterprises for women empowerment			
		No. of technologies		
	Thematic areas	(Technology Interventions)	No. of trials	No. of locations
1	Drudgery Reduction			
2	Entrepreneurship Development			
3	Health and Nutrition			
4	Value Addition			
5	Others			
	Total	0	0	0

Achievements of Frontline Demonstrations during 2022A. Details of FLDs conducted during the year 2022 3.2

Cereals

Sl.	Gran	The area 4 in a read	Technology Demonstrated	Area	(ha)				No. der	of far nonstr	mers/ ation				Reasons for
No.	Crop	Thematic area	with detailed treatments	Proposed	Actual	S	С	S	Т	Oth	ners	м	Total	т	achievement
1	Sugarcane	Integrated Crop Management	Sugarcane settling transplanting technique	0.25	0.25	01	F 00	02	F 00	08	F 00	M 10	F 00	1	
2	Sugarcane	Integrated Crop Management	Sugarcane settling transplanting technique	0.25	0.25	00	00	04	00	06	00	10	00	10	Sowing in Autumn 2022 and crop is standing
3	Paddy	Agronomic bio- fortification	Foliar application of Zn at tillering, panicle initiation and pre-flowering stage @ 0.5% Zn	2.0	2.0	1	0	5	0	14	0	20	0	20	
4	Wheat	Cultivation of bio- fortified wheat variety	Wheat variety DBW–187	2.0	2.0	0	2	0	0	7	1	7	3	10	Rabi crop is standing
			Total	4.50	4.50	2	2	11	0	35	1	47	3	50	

Details of farming situation

Sl. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type		Status (Kg	of soil /ha)	1	Previous crop	Sowing date	Harvest date	Season al rainfall	No. of rainy
			(· · · · · · · · · · · · · · · · · · ·		Ν	P_2O_5	K ₂ O	OC				(mm)	days
1.	Sugarcane	Autumn 2021	Irrigated	Sandy loam to loam	180	26.9	110	0.47	sugarc ane	19/11/20 21	05/11/20 22	1130	52
2.	Sugarcane	Autumn 2022	Irrigated	Sandy loam to loam	180	26.9	108	0.46	sugarc ane	17/11/20 22	Crop is standing	1060	43
3.	Paddy	Kharif	Irrigated	Sandy loamy to loam	180	26.8	110	0.46	Wheat	22/06/20 22	26/11/20 22	1009	41
4.	. Wheat	Rabi	Irrigated	Sandy loamy to loam	180	26.8	110	0.46	Paddy	08/12/20 22	Crop is standing	1009	41
5.	Paddy	Kharif	Rainfall	Sandy loam	180	26.8	110	0.46	wheat	28/06/20 22	18/11/20 22	1009	41

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

B. Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Gron	Thomatic Area	Name of the	No. of	Area	Yield	(q/ha)	%	*Eco	onomics o (Rs	f demonstrat s./ha)	ion	:	*Economi (Rs	cs of check ./ha)	
Стор	Thematic Area	demonstrated	Farmers	(ha)	Dama	Charle	Increase	Gross	Gross	Net	**	Gross	Gross	Net	**
		demonstrated			Demo	Спеск		Cost	Return	Return	BCR	Cost	Return	Return	BCR

								23
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

Pulses

Frontline demonstration on pulse crops

Gran	Therestic Area	Name of the technology	No. of	Area	Yield	(q/ha)	%	*Ec	onomics o (Rs	f demonstra ./ha)	tion		*Economi (Rs	cs of check s./ha)	
Сгор	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

Horticultural crops (separately Fruit, Vegetables, Flower, Medicinal and aromatics, etc.) Frontline demonstration on pulse crops

		Name of the technology	No. of	Area	Yield	(q/ha)	%	*Ec	onomics o (Rs	f demonstrat (/ha)	tion		Economi* Rs*	cs of check	
Crop	Thematic Area	demonstrated	Farmers	(ha)	Demo	Check	Increase	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
								COSt	110100111	rtotarii	Don	0050	110100111	Iterain	Don

							24
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

Other crops

		Name of the	No. of	Area	Yield (q/ha)	% change	Other pa	rameters	*Eco	nomics of d (Rs./ł	lemonstrati 1a)	on	*F	Economics (Rs./h	of check a)	
Crop	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
Sugarcane	ICM	Sugarcane settling transplanting technique	10	0.25	1140	730	56.00	Plant height 428 cm; 8 tillers/plant, cane width 40 cm, cane weight 1.7 kg	Plant height 386 cm; 5 tillers/plant, cane width 32 cm, cane weight 1.3 kg	120,000	381,900	261,900	3.18	145,000	244,550	99,550	1.68
Sugarcane	ICM	Sugarcane settling transplanting technique	10	0.25					Crop is in sta	anding posi	tion and res	sult awaited	l				
Paddy	Agronomic bio- fortification	Foliar application of Zn at tillering, panicle initiation and pre- flowering stage @ 0.5% Zn	20	2.0	44.2	39.4	12.1	Plant height 145 cm; 30 tillers/hill, panicle length 40 cm	Plant height 132 cm; 24 tillers/hill, panicle length 36 cm	36200	90168	57626	2.49	35400	80376	48244	2.27
Wheat	Rabi	Cultivation of bio- fortified wheat variety	10	2.0					Crop is	standing a	nd result av	vaited					
		Total	50	4.5													

Demonstration details on crop hybrid varieties

Cara	Name of the	No. of	Area	Yield (k	g/ha) / major p	arameter		Economic	s (Rs./ha)	
Crop	Hybrid	Farmers	(ha)	Demo	Local check	% change	GrossCost	GrossReturn	NetReturn	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										

		1	-		[
Total Veg. Crops						
Commercial Crops						
Cotton						
Coconut						
Others (Pl. specify)						
Total Commercial Crops						
Fodder crops						
Napier (Fodder)						
Maize (Fodder)						
Sorghum (Fodder)						
Others (Pl. specify)						
Total Fodder Crops						

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

Livestock

Catalan	Thematic	Name of the	No. of	No.of	Major pa	arameters	% change	Other par	rameter	*Econor	nics of der	nonstratio	n (Rs.)	*]	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																	
Pigerry																	
Sheep and goat	Disease Management	PPR vaccination and Fenbendazole deworming	25	100	Live animal- 97 Mortality- 3 animal	Live animal- 63 Mortality- 37	Mortality rate in demo- 3.09% Mortality rate in check- 58.73%	-	-	201100	485000	274000	2.41	200000	315000	115000	1.57
Duckery																	
Others (Pl.specify)																	
		Total	25	100	97	63	34	-	-	201100	485000	274000	2.41	200000	315000	115000	1.57

* 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

Fisheries

	Thematic	Name of the	No. of	No.of	Major par	ameters	% change	Other par	rameter	*Eco	nomics of (R	demonstra s.)	ation	*	Economic (R	s of check s.)	ζ.
Category	area	demonstrated	Farmer	units	Demons ration	Check	n major parameter	Demons ration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common																	
carps																	
Mussels																	
Ornamental																	
fishes																	
Others																	
(pl.specify)																	
		Total															

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

Other enterprises

	Name of the	No. of	No.of	Major par	rameters	% change	Other pa	rameter	*Econo	mics of de or Rs	monstratic	on (Rs.)		*Econom (Rs.) o	ics of cheory of the cheory of	ck
Category	technology demonstrated	Farmer	units	Demons ration	Check	in major 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)																
	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

Women empowerment

Catagory	Name of tashnalagy	No. of domonstrations	Observat	tions	Domonico
Category	Name of technology	No. of demonstrations	Demonstration	Check	Remarks
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

		Name of the			Grain (q/ł	Yield na)		Gross	return Rs	/ha and B:C	C ratio	Cost reduction (Rs./ha or Rs./Unit)
Name of the implement	Crop	technology demonstrated	No. of Farmer	Area (ha)	Demons ration	Check	% Change in major parameter	Demons Ration (Rate 1750)	Check	Demons	Check	Demo
Manual Rice - wheats seeder	Paddy	Manual rice wheat seeder	10	2	50.2	49	2.45	89858	87710	2.14	1.71	9225

* 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

Farm Machinery

Category	Name of the implement / Equipment / Tool	Crop (if applicable)	No. of Technologies	No. of Demos	Area (ha)
Sowing and planting tools and machiner	ies				
Total					
Intercultural operation tools and machin	eries				
Total					

			29
Irrigation management tools and maching	neries		
Total			
Plant protection tools and machineries			
Total			
Harvesting tools and machineries			
Total			
Postharvest processing tools and maching	neries		
Total			
Total mechanization tools and machiner	ies		
Total			
Others		 	
Total			
Grand Total			

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Paddy	Due to low and late rainfall causes damage to the early paddy growth and predominant zinc deficiency
		symptoms appears in the check plots
2.	Wheat	Due to late sowing the wheat crop growth performance is hampered and crop – weed competition suppresses
		the wheat growth
3.	PPR vaccination	Outbreak of PPR disease is prevented in covered goat population and also improvement in weight gain from
	and Fenbendazole	past years.
	deworming in goat	

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	03/10/2022, 16/10/2022, 16/11/2022 and 21/11/2022	4	45	
2.	Farmers Training	20/11/2022, 23/04/ 2022, 14/07/2022, 21/07/2022, 26/08/2022, 23/06/2022, 02/07/2022, 08/11/2022 and 23/12/2022	09	250	Aware for the PPR disease and endo- parasites in goat and their prevention method.
3.	Media coverage	28/06/2022	1		
4.	Training for extension functionaries				
5.	Animal Health Camp	21/11/2022	01	25	PPR vaccination and deworming done in goats.

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif, Rabi and summer 2022

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety	Existing yield (g/ha)	Yie District	ld gap (K w.r.to State	(g/ha)	Name of Variety + Technology	Number of farmers	Area in ha	Yield o	btained (q/ha)	Yield	gap mir (%)	imized
		name	7 years	yield (D)	yield (S)	yield (P)	demonstrated			Max.	Min.	Av.	D	S	Р
1	Mustard	Local and mixed	8.50	7.68	11.8	580	Mustard var. Rajendra suflam-1 @ 5 kg/ha, Sulphur @ 30 kg/ha, PSB, Mancozeb, Imidacloprid	103	40	16.8	9.80	12.2	37.05	3.28	32.22
2	Lentil	Local and mixed	670	600	1124	1400- 1500	IPL-316, PSB, Rhizobium, Mancozeb, Imamactin benzoate	50	20	Crop	is standir	ng in fiel	d and res	ult awa	ited

															31
3	Chickpea	Local and mixed	560	520	1052	1800- 2000	RVG-202, PSB, Rhizobium, Mancozeb, Imamactin benzoate	50	20	Crop i	s standin	g in fiel	d and res	ult awai	ted
4	Mustard	Local and mixed	8.50	76.8	118	250	Mustard var. DRMRIJ-31 (Giriraj) @ 5 kg/ha, Sulphur @ 5 kg/ha, Zinc @ 0.5% foliar, Boron @ 0.2% foliar, Mancozeb, Imidacloprid	100	40	Cr	op is sta	nding an	d result a	awaited	

B. Economic parameters

S 1			Farmer's Existi	ng plot			Demonstratio	n 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	21850	42925	21075	1.96	24299	61610	37311	2.54

C. Socio-economic impact parameters 2022

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. Rajendra suflam-1	125810	88067	50.5	6290.5	31452.5	To improve the livelihood of the farmer	26/acre demo plot

D. Pulses/Oilseed Farmers' perception of the intervention demonstrated 2022

S1.	Technologies	Farmers' 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. Rajendra suflam-1	Technology is suitable to the existing farming system.	The technology is preferred to the farmers of rice-mustard cropping sequence	The input distributed among the farmers	Not at all	The farmer was satisfied with the technology transferred. The farmer is enthusiastic to adopt the scientific package of practices for oilseed production.	Short duration high yielding and fertilizer responsive variety

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback	
No. of siliquae/plant	419.5	210.2		
Seed per siliquae	12	5	High plant survival/unit area,	
Length of siliquae	4.5	2.1	performance of germination higher,	
Seed weight	5.2-6.3 g	3.1-3.5 g	plant height, no. of branches,	
No. of primary branches	5.6	3.8	seeds/siliqua found more. It may be	
No. of secondary + tertiary	410.5	210.4	up-scaled in 500 ha	
branches 419.5		219.4	•	

F. Extension activities under FLD conducted:

Sl.	Extension Activities organized	Date and place of activity	Number of farmer
No.			attended
1.	Training on production and protection technology in mustard	02.11.2021; Hardi	40
2.	Training on production and protection technology in mustard	17.11.2021; Gurwaliya	30
3.	Training on disease management in mustard crop	09.12.2021; Gurwaliya	29
4.	Training, field visit & advisory services	02.11.2021; Hardi	40
5.	Training, field visit & advisory services	17.11.2021; Gurwaliya	30
6.	Training, field visit & advisory services	09.12.2021; Gurwaliya	29
7.	Field day, field visit & advisory services	23.02.2022; Gurwaliya	35
8.	Field day, field visit & advisory services	24.02.2022; Katsikri	56
9.	Field day, field visit & advisory services	23.03.2022; Barnihar	25
10.	Training on production and protection technology in Lentil and critical input	11/11/2022, KVK,	50
	distribution	Narkatiaganj	
11.	Training on production and protection technology in Lentil and critical input	12/11/2022, KVK,	50
	distribution	Narkatiaganj	
12.	Training on production and protection technology in mustard and critical	08/11/2022; Majhaulia	25
	input distribution		
13.	Training on production and protection technology in mustard and critical	15/11/2022; At KVK,	30
	input distribution	Narkatiaganj	
14.	Training on production and protection technology in mustard and critical	14/11/2022; At KVK,	7
	input distribution	Narkatiaganj	
15.	Training on production and protection technology in mustard and critical	16/11/2022; Katsikri	9
	input distribution		
16.	Training on production and protection technology in mustard and critical	16/11/2022; Hardi	21
	input distribution		
17.	Training on production and protection technology in mustard and critical	17/11/2022; At KVK,	8
	input distribution	Narkatiaganj	

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



Data collection and advisory service at different growth stages of mustard





Data collection and advisory service at different growth stages of lentil



Zinc application and advisory service at different growth stages of paddy in FLD



Data collection and advisory service at different growth stages of wheat in FLD





Data collection and advisory service at different growth stages of crops in OFT

H. Farmers' training photographs



Input distribution in CFLD mustard






Training in CFLD mustard



Chelated Zn distribution in FLD





Input distribution in OFT

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



Goat's health checkup

Field visit in paddy under FLD



Pesticide spray on potato in OFT



A view of training and input distribution for on-farm trial on shoot and fruit borer management in brinjal

A view of filed visit photograph of on-farm trial on shoot and fruit borer management in brinjal



J. Details of budget utilization

Сгор	Items	Budget	Budget	Balance
(provide crop wise information)		Received	Utilization	(Rs.)
		(Rs.)	(Rs.)	
Pulses	i) Critical input	328000	326100	1900
	ii) TA/DA/POL etc. for monitoring	12000	4000	8000
	iii) Extension Activities (Field Day)	10000	00	10000
	iv)Publication of literature	10000	5000	5000
	Total	360000	335100	24900
Oilseeds	i) Critical input	216000	204680	11320
	ii) TA/DA/POL etc. for monitoring	24000	10720	13280
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total	240000	240000	

3.3 Achievements on Training (Including the sponsored and FLD training programmes):

		No. of Participants						G	1.00				
Thematic Area	No. of		Other			SC			ST		G	rand T	otal
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
I. Crop Production													
Weed Management													
Resource Conservation Technologies	1	32	0	32	8	0	8	0	0	0	40	0	40
Cropping Systems	-	02	•	02	0	Ű		Ŭ	0	Ŭ			
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													-
Integrated Crop Management	1	26	0	26	6	0	6	0	0	0	32	0	32
Fodder production	1	20	0	20	0	0	0	0	0	0	52	0	52
Production of organic inputs	1	20	0	20	0	0	0	5	0	5	34	0	34
Others (cultivation of groups)	5	114	10	133	12	2	14	11	7	18	137	28	165
U Horticulture	5	114	17	155	12	2	14	11	1	10	137	20	105
II. Horticulture													
a) vegetable Crops												1	
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high	1	37	0	37	3	0	3	0	0	0	40	0	40
value crops	_				-	-	-	-		÷			
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of													
Ornamental Plants													
Others, if any												1	
d) Plantation crops												1	
Production and Management		1		1		1	1	1			1	l	
technology													

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

													42
	No. of			N	o. of F	Particip	ants	1			G	rand T	otal
Thematic Area	Courses		Other	_		SC	_		ST	_	0		
		Μ	F	Т	М	F	Т	Μ	F	Т	M	F	Т
Others, if any													
o) Tubor group													
Production and Management													
technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management													
technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
technology													
Post-harvest technology and value													
addition													
Others, if any													
III. Soil Health and Fertility													
Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
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	01	29	1	30	5	0	5	0	0	0	34	1	35
Poultry Management	02	42	0	42	8	0	8	7	0	7	57	0	57
Piggery Management													
Rabbit Management													
Disease Management													
Feed management	02	21	2	23	4	22	26	0	0	0	25	35	60
Production of quality animal products													
Others, if any Goat farming	01	12	4	16	12	3	15	0	0	0	24	7	31
V. Home Science/Women													
empowerment													
Household food security by kitchen													
gardening and nutrition gardening													
Design and development of													
Designing and development for high													
nutrient efficiency diet													
Minimization of nutrient loss in													
processing													
Gender mainstreaming through SHGs						<u> </u>	<u> </u>						
Storage loss minimization techniques						-	-						
Enterprise development													
Value addition	1												1
Income generation activities for													
empowerment of rural Women													

Г	43												
	No. of		0.1	N	o. of F	Particip	ants		<u>a</u>		G	rand T	otal
Thematic Area	Courses	м	Other	т	м	SC	т	м	ST	т	м	Г	T
Location specific drudgery reduction		IVI	Г	1	IVI	Г	1	IVI	Г	1	IVI	Г	1
technologies													
Rural Crafts													
Capacity building													
Women and shild care													
Others if any													
VI A gril Engineering													
VI.Agrii. Engineering													
installation and maintenance of micro	2	28	11	39	16	2	18	0	1	1	44	14	58
Ling of Diagting in forming practices													
Disc of Flastics in famility practices													
implements	5	120	1	121	13	4	16	9	0	9	142	5	147
Densir and maintananas of form													
machinery and implements													
Small scale processing and value													
addition													
Post-Harvest Technology													
Others if any	2	28	2	40	3	10	12	5	1	6	16	13	50
VII Plant Protection	2	50	2	40	5	10	13	5	1	0	+0	1.5	57
Integrated Pest Management	3	51	20	71	02	12	16	01	0	01	59	22	01
Integrated Pest Management	2	54	12	74	15	15	21	01	0	01	76	10	91
Die control of posts and discoses	3	00	12	12	13	00	21	12	0	12	70	10	94
Bio-control of pests and diseases	1	15	0	15	02	00	02	15	00	15	30	00	30
bio posticidas													
Others if any													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
Gam fra and fin and in a maning													
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													
Dreading and culture of amountal													
Freeding and culture of ornamental													
Insnes													
Portable plastic carp hatchery													
Shring family a													
Shrimp farming													
Dearl sulture													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production						<u> </u>							
Bio-agents production								<u> </u>					
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													

													44
	Na af			N	o. of P	articip	ants				C	nond T	
Thematic Area	NO. 01		Other			SC			ST		G	rand T	Jiai
	Courses	М	F	Т	М	F	Т	Μ	F	Т	М	F	Т
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	30	620	72	692	107	62	169	52	9	61	922	143	1065

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

	N. C			N	o. of l	Particij	pants				Cr	and Ta	tal
Thematic Area	NO. OI		Other			SC			ST		Gra		lai
	Courses	М	F	Т	Μ	F	Т	М	F	Т	М	F	Т
Mushroom Production	01	26	00	26	00	00	00	04	00	04	30	00	30
Bee-keeping													
Integrated farming	01	21	0	21	3	0	3	3	0	3	27	0	27
Seed production	1	20	0	20	0	0	0	10	0	10	30	0	30
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm													
machinery and implements													
Nursery Management of Horticulture													
crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing	01	27	0	27	3	0	3	0	0	0	30	0	30
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development													
Para vets													
Para extension workers													

		-											
	NL C			N	o. of l	Particij	oants				C		4.1
Thematic Area	NO. OI		Other			SC			ST		Gr	and I c	otal
	Courses	М	F	Т	Μ	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													
TOTAL	4	94	0	94	6	0	6	17	0	17	117	0	117

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

	N. C			N	o. of I	Particij	pants				C	and To	tal
Thematic Area	NO. 01		Other			SC			ST		GI	and To	nai
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Productivity enhancement in field													
crops													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													
Care and maintenance of farm													
machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL													

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

	No. of			N	o. of F	Particip	ants				Gr	and To	at al
Thematic Area	INO. 01		Other			SC			ST		01		Jiai
	Courses	М	F	Т	М	F	Т	Μ	F	Т	Μ	F	Т
I. Crop Production													
Weed Management	2	38	0	38	2	0	2	17	0	17	57	0	57
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													

													46
				N	o. of F	Particip	ants				C	1 77	. 1
Thematic Area	No. of		Other			SC			ST		Gr	and To	otal
	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	2	58	3	61	6	0	6	1	0	1	65	3	68
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)	7	158	2	160	37	0	37	0	0	0	195	2	197
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	18	7	25	1	0	1	0	0	0	19	7	26
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high	5	112	1	113	8	28	36	3	0	3	123	29	152
value crops													
Off-season vegetables		10	2	40	1	0	1	1	0	0	47	2	40
Nursery raising	2	46	2	48	1	0	1	1	0	0	47	2	49
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Others, if any (Cultivation of													
Vegetable)													
Training and pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit	1	0	0	0	0	0	0	27	7	34	27	7	34
Management of young													
plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	2	28	0	28	1	0	1	20	1	21	49	1	50
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of													
Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management													
technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management													
Dropposing and value ad differ													
Others if any													
f) Spicos													
Droduction and Management													
riouucuon anu management													
teennology													

$\begin{array}{c c c c c c c c c c c c c c c c c c c $	al
Thematic AreaINC. Of CoursesOtherSCSTMFTMMIIII </td <td></td>	
CounsesMFTM <td>T</td>	T
Processing and value additionImage: ConservationImage: ConservationOthers, if anyImage: ConservationImage: ConservationImage: Conservationg) Medicinal and Aromatic PlantsImage: ConservationImage: ConservationImage: ConservationNursery managementImage: ConservationImage: ConservationImage: ConservationImage: Conservationg) Medicinal and Aromatic PlantsImage: ConservationImage: ConservationImage: ConservationImage: ConservationNursery managementImage: ConservationImage: C	
Others, if anyImage: ConservationImage: ConservationImage: Conservationg) Medicinal and Aromatic PlantsImage: ConservationImage: ConservationImage: ConservationNursery managementImage: ConservationImage: ConservationImage: ConservationImage: ConservationNursery managementImage: ConservationImage: ConservationImage: ConservationImage: ConservationImage: ConservationPost-harvest conservationImage: Conservation	
g) Medicinal and Aromatic PlantsImage: Construction of the second se	
Nursery management Image of the second s	
Production and management Imagement Imagement technology Imagement Imagement Post-harvest technology and value Imagement Imagement Others, if any Imagement Imagement Soil Health and Fertility Imagement Imagement Soil fertility management Imagement Imagement Soil and Water Conservation Imagement Imagement	
Post-harvest technology and value addition Image: Constraint of the second se	
addition addition Others, if any addition III. Soil Health and Fertility addition Management addition Soil fertility management addition Soil and Water Conservation addition	
Others, if any Image: Conservation Image: Conservation Image: Conservation Image: Conservation Soil and Water Conservation Image: Conservation Image: Conservation Image: Conservation	
III. Soil Health and Fertility Management Soil fertility management Soil and Water Conservation	
Management	
Soil fertility management Image: Conservation Soil and Water Conservation Image: Conservation	
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 03 82 0 82 30 0 30 0 0 112 0	112
Poultry Management 02 31 7 38 12 6 18 0 0 0 43 13	56
Piggery Management	
Rabbit Management	
Disease Management 03 48 6 54 34 2 36 0 0 82 8	90
Feed management 03 49 1 50 30 7 37 1 0 1 80 8	88
Production of quality animal	
products	
Others, if any Goat farming 01 7 1 8 19 0 19 0 0 0 26 1	27
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	
Income generation activities for	
Leastion manified drudgery reduction	
Location specific drudgery reduction	
Rural Crafts	
Capacity building	
Women and child care	
Others if any	
VI.Agril. Engineering	
Installation and maintenance of	
$\begin{array}{c c c c c c c c c c c c c c c c c c c $	30
Use of Plastics in farming practices	,

	No. of Darticipants												
Thematic Area	No. of		Other	11	0. 01 F	SC	ants		ST		Gr	and To	otal
Thomato Thou	Courses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Production of small tools and													
implements													
Repair and maintenance of farm	2	17	8	55	5	Ο	5	1	0	1	53	8	61
machinery and implements	2	+/	0	55	5	0	5	1	0	1	55	0	01
Small scale processing and value													
addition													
Post-Harvest Technology													
Others, if any	2	19	0	19	17	0	17	24	0	24	60	0	60
VII. Plant Protection													
Integrated Pest Management	1	24	0	24	01	0	01	00	00	00	25	00	25
Integrated Disease Management	6	111	05	116	38	01	39	10	00	10	159	06	165
Bio-control of pests and diseases	3	89	07	96	02	00	02	05	00	05	96	07	103
Production of bio control agents and													
bio pesticides													
Others, if any (Mushroom Production	1	05	09	14	02	14	16	00	02	02	07	25	32
technology)													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery													
management													
Carp Iry and Ingering rearing													
Composite fish culture & fish disease													
application to fish pond like pursory													
rearing & stocking pond													
Hatchery management and culture of													
freshwater prawn													
Breeding and culture of ornamental													
fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax													
sheets													
Small tools and implements													
Production of livestock feed and													_]
fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													

													12
	No. of			N	o. of P	Particip	ants				Ca	and Te	at a 1
Thematic Area	INO. OI		Other			SC			ST		GI		Jai
	Courses	Μ	F	Т	М	F	Т	Μ	F	Т	М	F	Т
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	39	791	49	840	238	24	262	61	2	63	1090	75	1165

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

	N 6			No	o. of P	artici	pants					C 1	TT (1
Thematic Area	No. of		Other	•		SC			ST			Grand	lotal
	Courses	М	F	Т	Μ	F	Т	Μ	F	Т	М	F	Т
Mushroom Production	1	05	18	23	02	13	15	00	02	02	07	33	40
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable													
crops													
Commercial fruit production													
Repair and maintenance of farm													
machinery and implements													
Nursery Management of													
Horticulture crops													
Training and pruning of orchards													
Value addition													
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													

													50
	N. C			N	o. of P	artici	pants					Crond	Total
Thematic Area	NO. 01		Othe	r		SC			ST			Granu	Total
	Courses	М	F	Т	М	F	Т	Μ	F	Т	Μ	F	Т
Fry and fingerling rearing													
Small scale processing													
Post-Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL	1	05	18	23	02	13	15	00	02	02	07	33	40

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

	No. of			N	o. of P	artici	pants				C	T have	- 4 - 1
Thematic Area	NO. 01		Othe	r		SC			ST		G	and I	Jtal
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Productivity enhancement in field													
crops													
Integrated Pest Management	01	13	0	13	1	0	1	0	0	0	14	0	14
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers													
organization													
Information networking among													
farmers													
Capacity building for ICT application													
Care and maintenance of farm													
machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet													
designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	01	13	0	13	1	0	1	0	0	0	14	0	14

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

	No.			N	o. of Pa	articipa	ants				G	rand 7	Fotal
Thematic Area	of		Other			SC			ST		U		l'Otal
	Cour ses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
I. Crop Production													
Weed Management	2	38	0	38	2	0	2	17	0	17	57	0	57

													51
	No.			No	o. of Pa	articipa	ints				G	ond 7	Total
Thematic Area	of		Other			SC			ST		G		otai
Thomato Thou	Cour	М	F	Т	М	F	Т	М	F	Т	Μ	F	Т
Resource Conservation Technologies	ses 1	32	0	32	8	0	8	0	0	0	40	0	40
Cropping Systems	1	32	0	32	0	0	0	0	0	0	40	0	40
Crop Diversification													
Integrated Farming													
Water management													
Seed production											-		
Nursery management													
Integrated Crop Management	3	84	3	87	12	0	12	1	0	1	97	3	100
Fodder production	1	20	0	20	0	0	0	~	0	-	24	0	24
Production of organic inputs	12	29	0	29	0	0	0 51	5	0	5	34	0	34
TOTAL	12	272	21	293	49 71	2	31 73	34	/ 7	18	552 560	30	362 503
II. Horticulture	17	433	27	-17	/1		15	37	1	71	500	55	373
a) Vegetable Crops													
Integrated nutrient management	1	18	7	25	1	0	1	0	0	0	19	7	26
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high	6	149	1	150	11	28	39	3	0	3	163	29	192
value crops													
Nursery raising	2	16	2	/18	1	0	1	1	0	0	17	2	/0
Exotic vegetables like Broccoli	2	40	2	40	1	0	1	1	0	0	47	2	49
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses,													
Shade Net etc.)													
Others, if any (Cultivation of													
Vegetable)													
TOTAL													
b) Fruits													
L avout and Management of Orchards													
Cultivation of Fruit	1	0	0	0	0	0	0	27	7	34	27	7	34
Management of young plants/orchards	1	0	0	0	0	0	0	21	,	54	21	,	54
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)	2	28	0	28	1	0	1	20	1	21	49	1	50
TOTAL													
c) Ornamental Plants													
Nursery Management													
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													
IUIAL													

													52
	No.			N	o. of Pa	articipa	ants				G	rand T	Fotal
Thematic Area	of		Other	1		SC			ST				
	Cour	М	F	Т	М	F	Т	Μ	F	Т	М	F	Т
e) Tuber crops	505												
Production and Management													
technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management													
becomology													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management													
technology													
Post harvest technology and value													
addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility													
Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Nutrient Use Efficiency													
Soil and Water Testing													
Others if any													
TOTAL													
GT (Horticulture)	12	241	10	251	14	28	42	51	8	59	305	46	351
IV. Livestock Production and			10			_0			Ū		000		
Management													
Dairy Management	4	111	1	112	35	0	35	0	0	0	146	1	147
Poultry Management	4	73	9	82	20	6	26	7	0	7	100	15	115
Piggery Management													
Rabbit Management													
Disease Management	3	48	6	54	34	2	36	0	0	0	82	8	90
Feed management	5	70	3	73	34	29	63	0	0	0	105	43	148
Production of quality animal products	-	1.0	_					-		-			
Others, if any (Goat farming)	2	19	5	24	31	3	34	0	0	0	50	8	58
TOTAL	18	321	24	345	154	40	194	7	0	7	483	75	558
v. Home Science/Women													
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													

													53
	No.			N	o. of P	articipa	ants				0	1.7	D (1
Thematic Area	of		Other			SC			ST		G	rand 1	otal
Thematic Area	Cour	М	F	т	м	F	т	м	F	т	Μ	F	Т
	ses	101	1	1	141	1	1	111	1	1			
Enterprise development													
Value addition													
Income generation activities for													
Location specific drudgery reduction													
technologies													
Pural Crofts													
Conscitu building													
Woman and child care													
Others if any													
VI Agril Engineering													
Installation and maintanance of micro													
irrigation systems	3	53	11	64	19	2	21	2	1	3	74	14	88
Lise of Plastics in farming practices													
Broduction of small tools and													
implements	5	120	1	121	13	4	17	9	0	9	142	53	147
Papair and maintanance of farm													
machinery and implements	2	47	8	55	5	0	5	1	0	1	53	8	61
Small scale processing and value													
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	4	57	2	59	20	10	30	29	1	30	106	13	119
		277	2	299	20 57	16	73	<u></u> <u></u>	2	43	375	40	415
VII Plant Protection	17	211	22	2))	51	10	15	41	4	43	515	40	413
Integrated Pest Management	4	78	20	98	1	13	17	1	0	1	83	33	116
Integrated Disease Management	- -	171	17	188	53	7	60	11	0	11	235	24	259
Bio_control of pests and diseases		104	7	111		0	1	18	0	18	126	7	133
Production of bio control agents and	-	104	,	111	-	0	-	10	0	10	120	,	155
hio pesticides													
Others if any (Mushroom Production													
Tech.)	1	5	9	14	2	14	16	0	2	2	7	25	32
TOTAL	18	358	53	411	63	34	97	30	2	32	451	89	540
VIII. Fisheries	10	000				0.	<i>,</i> ,		-		101	07	0.10
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													

	No.			N	o. of Pa	articipa	ants					1.7	
	of		Other			SC			ST		G	rand T	otal
Thematic Area	Cour ses	М	F	Т	М	F	Т	М	F	Т	М	F	Т
Planting material production													I
Bio-agents production													I
Bio-pesticides production													I
Bio-fertilizer production													I
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax													
sheets													I
Small tools and implements													
Production of livestock feed and													
fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group													
Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of													
Tarmers/youths													
w IO and IPR issues													
Others, if any													
TUTAL													
XI Agro-torestry													
Production technologies								<u> </u>		<u> </u>			
Nursery management													
Integrated Farming Systems													
TOTAL								<u> </u>		<u> </u>			
XII. Others (Pl. specify)													
TOTAL						1	1						1

ii. RURAL YOUTH (On and Off Campus)

	No. of				No. of	f Partic	ipants					Grand T	otal
Thematic Area	Courses		Other			SC			ST			Grand T	otai
	Courses	Μ	F	Т	Μ	F	Т	Μ	F	Т	Μ	F	Т
Mushroom	2	31	18	40	02	13	15	04	02	06	37	31	68
Production	2	51	10	49	02	15	15	04	02	00	57	51	
Bee-keeping													
Integrated farming	01	21	0	21	3	0	3	3	0	3	27	0	27
Seed production	1	20	0	20	0	0	0	10	0	10	30	0	30
Production of organic													
inputs													
Planting material													
production													
Vermi-culture													
Sericulture													
Protected cultivation													
of vegetable crops													
Commercial fruit													
production													

													55
	N				No. o	f Partic	ipants					Canada	- 4 - 1
Thematic Area	No. of		Other	•		SC			ST			Grand I	otal
	Courses	Μ	F	Т	М	F	Т	Μ	F	Т	М	F	Т
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	01	27	0	27	2	0	2	0	0	0	20	0	30
rearing	01	27	0	21	3	0	3	0	0	0	50	0	
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													
Enterprise													
development													
Others if any (ICT													
application in													
agriculture)													
TOTAL	5	99	18	117	8	13	21	17	2	19	124	31	155

iii. Extension Personnel (On and Off Campus)

	No. of				No. o	f Partic	pants					Crand	Total
Thematic Area	NO. 01		Other	ſ		SC			ST			Grand	Total
	Courses	Μ	F	Т	М	F	Т	Μ	F	Т	Μ	F	Т
Productivity													
enhancement in field													
crops													

													56
Integrated Pest													14
Management	1	12	1	13	1	0	1	0	0	0	13	1	11
Integrated Nutrient													
management													
Painvonation of old													
orchards													
Value addition					-								
Protected cultivation													
Echnology													
Formation and													
Management of													
SHGs													
Group Dynamics and													
farmers organization													
Information													
networking among													
farmers													
Capacity building for													
ICT application													
Care and													
maintenance of farm													
machinery and													
implements													
WTO and IPR issues													
Management in farm													
animals													
Livestock feed and													
fodder production													
Household food													
security													
Women and Child													
care													
Low cost and													
nutrient efficient diet													
designing													
Production and use													
of organic inputs													
Gender													
mainstreaming													
through SHGs													
Crop intensification		<u> </u>											
Others if any													
	1	12	1	12	1	0	1	0	0	Δ	12	1	14
IUIAL	L	14	1	13		U	1	U	U	U	13	1	14

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

Discipline	Clientele	Title of the	Duration	Venue	Numb	er of partic	ipants	Numbe	er of SC/ST	Γ
		training	in days	(Off / On						
		programme		Campus)	Male	Female	Total	Male	Female	Total
Plant Protection	Farmers	Disease	1	Off	33	00	33	08	00	08
	and farm	management		campus						
	women	in sugarcane								
Plant Protection	Farmers	Insect Pest	1	Off	38	00	38	01	00	01
	and farm	management		campus						
	women	in sugarcane								
Plant Protection	Farmers	Important	1	Off	25	00	25	02	00	02
	and farm	diseases of		campus						
	women	mango and								
		their								
		management								

- -

										57
Plant Protection	Farmers	Importance of	1	Off	26	00	26	07	00	07
	and farm	Trichoderma		campus						
	women	in sugarcane								
		disease								
		management								
Plant Protection	Farmers	Seed	1	Off	19	07	26	01	01	01
	and farm	treatment in		campus						
	women	rice for								
		disease and								
		pest								
Dlant Ducto ation	Eamo	Discourse	1	Off	27	0.4	21	0.4	01	05
Plant Protection	Farmers	Diseases of	1	OII	27	04	31	04	01	05
	women	management		campus						
Plant Protection	Farmers	Rice diseases	1	Off	25	00	25	25	00	25
I fait I fotection	and farm	and their	1	campus	23	00	23	25	00	23
	women	management		campus						
Plant Protection	Farmers	Identification	1	Off	25	00	25	01	00	01
1 1000000000	and farm	and	-	campus		00		01	00	01
	women	management		· · · ·						
		of red rot								
		disease in								
		sugarcane								
Plant Protection	Farmers	Management	1	Off	39	00	39	04	00	04
	and farm	of insect pest		campus						
	women	and diseases								
		in sugarcane								
		seed								
Dlast Dastastica	E	production	1	0.0	22	02	25	02	00	02
Plant Protection	Farmers	wheat	1	Off	23	02	25	02	00	02
	and farm	diseases and		campus						
	women	management								
Plant Protection	Farmers	Mushroom	1	Off	07	25	32	02	16	18
I faint I foteetion	and farm	production	1	campus	07	23	52	02	10	10
	women	production		cumpus						
Plant Protection	Farmers	Insect pest	1	Off	22	08	30	22	08	30
	and farm	and disease		campus						
	women	management								
		in onion								
Plant Protection	Farmers	Management	1	On	33	00	33	06	00	06
	and farm	of diseases in		Campus						
	women	sugarcane								
Plant Protection	Farmers	Integrated	1	On	31	00	31	08	00	08
	and farm	diseases		Campus						
	women	management								
DI D		in rice crop	1		20	0.0	20	0.0	07	
Plant Protection	Farmers	Disease	1	On	30	00	30	02	07	09
	and farm	in augement		Campus						
	women	in sugarcane								
		transplanting								
		technique			1					
Plant Protection	Farmers	Blast disease	1	On	12	18	30	02	06	08
	and farm	management	1	Campus	12	10	50	02	00	
	women	in rice		Campus	1					
Plant Protection	Farmers	Integrated	1	On	06	27	33	03	12	15
	and farm	insect pest		Campus						
	women	management		1						
		in sugarcane								

										38
Plant Protection	Farmers and farm women	Insect peat and diseases management in lentil and chickpea	1	On Campus	30	0	30	15	00	15
Plant Protection	Farmers and farm women	Insect peat and diseases management in lentil and chickpea	1	On Campus	28	00	28	00	00	00
Plant Protection	Farmers and farm women	Diseases management in Lentil crop	1	On Campus	24	06	30	01	01	01
Plant Protection	Farmers and farm women	Diseases and insect pest management in vegetable crops	1	On Campus	04	26	30	04	26	30
Crop Production	Farmers and farm women	Sugarcane settling transplanting technology	1	Off	25	0	25	9	0	9
Crop Production	Farmers and farm women	Summer mungbean production technology	1	Off	28	2	30	4	0	4
Crop Production	Farmers and farm women	Leaser land levelling	1	On	40	0	40	8	0	8
Crop Production	Farmers and farm women	Scientific rice cultivation technology under drought condition	1	Off	30	0	30	0	0	0
Crop Production	Farmers and farm women	Package and practices of direct seeded rice cultivation	1	On	25	19	44	8	9	17
Crop Production	Farmers and farm women	Direct seeded rice cultivation technology	1	Off	27	0	27	12	0	12
Crop Production	Farmers and farm women	Integrated nutrient management in rice	1	On	32	0	32	6	0	6
Crop Production	Farmers and farm women	Integrated nutrient management in rice	1	Off	43	0	43	5	0	5
Crop Production	Farmers and farm women	Direct seeded rice cultivation technology	1	Off	34	0	34	0	0	0
Crop Production	Farmers and farm women	Integrated weed management under direct seeded rice	1	Off	27	0	27	2	0	2

										59
Crop	Farmers	Production	1	On	30	0	30	6	0	6
Production	and farm	technique of								
	women	pigeon pea								
Crop	Farmers	Scientific	1	On	34	0	34	5	0	5
Production	and farm	production								
	women	techniques of								
		organic								
		manure								
Crop	Farmers	Package and	1	On	22	9	31	2	0	2
Production	and farm	practices of								
	women	mustard								
Cuan	Eermore	Droduction	1	Off	26	0	26	10	0	10
Crop	Farmers and farm	technology of	1	UII	20	U	20	12	U	12
Production		sugarcane								
Cron	Farmers	Agronomic	1	On	30	0	30	5	0	5
Production	and farm	practices for	1	Oli	50	0	50	5	0	5
Troduction	women	chickpea								
		production								
Сгор	Farmers	Integrated	1	Off	22	3	25	2	0	2
Production	and farm	nutrient		_		-	_		-	
	women	management								
		in wheat crops								
Crop	Farmers	Production	1	On	30	0	30	2	0	2
Production	and farm	technology of								
	women	potato								
Crop	Farmers	Integrated	1	Off	30	0	30	17	0	17
Production	and farm	weed								
	women	management								
0	T	in wheat	1	0.00	25	0	25	0	0	0
Crop	Farmers	Ratoon	1	Off	25	0	25	0	0	0
Production	and farm	in sugaraana								
Agricultural	Farmors	Solar powered	1	On	20	0	20	10	0	10
Engineering	and farm	irrigation system	1	OII	28	0	28	10	0	10
Lingineering	women	(SPIS)								
	wonnen	introduction, merits/ demerits.								
		installation								
		location and its								
Agricultural	Farmers	types. Technologies for	1	On	25	0	25	4	0	4
Engineering	and farm	direct sowing of	1	OII	23	0	23	4	0	-
Lingineering	women	rice, its								
	wonnen	importance, merits and								
		demerits								
Agricultural	Farmers	Weed		On	31	0	31	5	0	5
Engineering	and farm	management in paddy crop for								
	women	kharif season								
Agricultural	Farmers	Various weed	1	Off	30	0	30	24	0	24
Engineering	and farm	management methods and it's								
	women	various available								
		technologies							0	
Agricultural	Farmers	Calibration of different	1	Off	31	0	31	3	0	3
Engineering	and farm	agricultural								
	women	machineries					0.0	-	0	-
Agricultural	Farmers	Various micro	1		30	0	30	5	0	5
Engineering	and farm	techniques for		Off						
	women	water saving		UII						
Agricultural	Farmers	Care and	1	Off	22	8	30	3	0	3
Engineering	and farm	Agricultural								
	women	Equipment								

										60
Agricultural Engineering	Farmers and farm women	Solar powered Irrigation system, a way to use green energy for agricultural purpose	1	On	16	14	30	6	3	9
Agricultural Engineering	Farmers and farm women	Technologies for sugarcane bud and node making to increase farm mechanization	1	On	30	0	30	0	9	9
Agricultural Engineering	Farmers and farm women	Role and classification of different farm machineries and equipment's for Rabi crop production	1	On	29	2	31	0	0	0
Agricultural Engineering	Farmers and farm women	Operation and maintenance of Zero Till machine for sowing of wheat	1	Off	30	0	30	24	0	24
Agricultural Engineering	Farmers and farm women	Implements and Equipment's for Land levelling and shaping for better resource use	1	On	29	0	29	0	0	0
Agricultural Engineering	Farmers and farm women	Manual Rice- wheat seeder for direct wheat sowing, a low - cost method for wheat sowing	1	On	26	5	31	3	4	7
Agricultural Engineering	Farmers and farm women	Farm mechanization a sustainable and effective way to double farmers income	1	On	17	11	28	8	11	19
Animal Science	Farmers and farm women	Dairy animal diseases and their prevention	1	Off	36	0	36	21	0	21
Animal Science	Farmers and farm women	Management of dairy animals in summer season	1	Off	31	0	31	24	0	24
Animal Science	Farmers and farm women	Scientific dairy farming	1	Off	28	0	28	4	0	4
Animal Science	Farmers and farm women	Health management in goat	1	Off	26	1	27	19	0	19
Animal Science	Farmers and farm women	Feeding management of dairy cattle	1	Off	27	0	27	6	0	6
Animal Science	Farmers and farm women	Clean milk production	1	On	34	1	35	5	0	5
Animal Science	Farmers and farm women	Feeding management of dairy cattle	1	Off	23	8	31	21	7	28

										61
Animal Science	Farmers and farm women	Scientific dairy farming	1	Off	43	0	43	5	0	5
Animal Science	Farmers and farm women	Azolla production and use as animal feed	1	On	11	22	33	3	22	25
Animal Science	Farmers and farm women	Different types of housing systems for goat	1	On	24	7	31	12	3	15
Animal Science	Farmers and farm women	Production and preservation of green fodder round the year	1	Off	30	0	30	4	0	4
Animal Science	Farmers and farm women	Important bacterial, viral and parasitic diseases in goat	1	Off	29	0	29	3	0	3
Animal Science	Farmers and farm women	Important poultry breeds and its scope	1	Off	25	1	26	0	0	0
Animal Science	Farmers and farm women	Commercial broiler and layer farming	1	On	29	0	29	10	0	10
Animal Science	Farmers and farm women	Different types of housing system in poultry	1	Off	18	12	30	12	6	18
Animal Science	Farmers and farm women	PPR disease in goat and it's prevention	1	Off	22	8	30	7	2	9
Animal Science	Farmers and farm women	Important bacterial, viral and parasitic diseases in poultry	1	On	28	0	28	5	0	5
Horticulture	Farmers and farm women	Production technology of seedlings in Bottle guard and sponge gaurd	1	On	40	0	40	3	0	3
Horticulture	Farmers and farm women	Cultural practices in litchi production	1	OFF	27	7	34	27	7	34
Horticulture	Farmers and farm women	Advance production technology of vegetable crops for kharif season	1	OFF	29	1	30	3	0	3
Horticulture	Farmers and farm women	Natural farming of	1	OFF	27	0	27	0	0	0

										62
		cucumber in kharif season								
Horticulture	Farmers and farm women	Production technology of Onion in Kharif season	1	OFF	26	0	26	0	0	0
Horticulture	Farmers and farm women	Cultural practices of okra in Kharif season	1	OFF	17	28	45	5	28	33
Horticulture	Farmers and farm women	Cultural practices of early cucumber	1	OFF	25	0	25	3	0	3
Horticulture	Farmers and farm women	Growing of nursery of Vegetable crop	1	OFF	25	0	25	0	0	0
Horticulture	Farmers and farm women	Nutrient management in Vegetable crop	1	OFF	19	7	26	1	0	1
Horticulture	Farmers and farm women	Nutrient management in Litchi	1	OFF	25	0	25	0	0	0
Horticulture	Farmers and farm women	Scope and importance of Nursery raising and its different techniques	1	OFF	23	2	25	2	0	2
Horticulture	Farmers and farm women	Nutrient management in Mango and Litchi for enhancement of yield and quality of fruits	1	OFF	24	1	25	21	1	22

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Cron /	Identifi	Train		No	. of Participa	ants	Self-	employed af	ter training	Number of persons
Enterpr ise	ed Thrust Area	ing title*	Duration (days)	Male	Female	Total	Type of units	Number of units	Number of persons employed	employed else where
Mushro om Product ion	Mushro om Product ion	Mus hroo m Prod uctio n	4	30	0	30		21	21	0
Mushro om Product ion	Mushro om Product ion	Mus hroo m Prod uctio n	4	7	33	40		36	36	0

Total			21	124	33	157		124	124	0
		d IFS								
		base								
Science		stock								
Animal	IFS	Live	4	27	0	27	Small	23	23	0
		ng								
		farmi								
		goat								
Selence	rearing	ial								
Science	rearing	merc	C	20	Ũ	20	Dillan			°
Animal	Goat	Com	5	30	0	30	Small	21	21	0
		cane								
		sugar								
		n in								
		uctio								
	1011	prod								
	ion	neu								
Crop	Seed	Certi	4	30	0	30		23	23	0
<u></u>	0 1	a	4	20		20		0.0	00	Δ

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

					Cli ent					No.	of Pa	rticipan	ts				Sponsori
Sl	Title	Thema	Mo	Duratio	PF	No. of	N	Iale		Fe	emale			Tota	ıl		sponson
	THE	tic area	nth	n (days)	/R Y/ EF	courses	Others	SC	S T	Others	S C	ST	Others	S C	ST	To tal	Agency

	No. of				No. c	of Partici	pants			
	Course					SC/ST		Ģ	Frand Tot	al
	S		General	-						-
Area of training		Mai	Femal	lota	Mai	Femal	lota	Mai	Femal	Iota
Crop production and management		U U	U U	•	v	Ū	•	v	C C	
Increasing production and productivity of										
crops										
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										
Agricultural Extension										
Capacity Building and Group Dynamics										
Other										
Total										
Grant Total										

3.4. A. Extension Activities (including activities of FLD programmes)

Nature of			F	armers		Exter	nsion Off	ïcials		Total	
Extension	No. of			-	SC/ ST		F 1	T 1		F 1	T 1
Activity	activities	Μ	F	Т	(% of total)	Male	Female	Total	Male	Female	Total
Kisan Mela	0	0	0	0	0	0	0	0	0	0	0
organized	0	0	0	0	0	0	0	0	0	0	0
Kisan Mela	2	10000	4100	22100	24 22014	0	0	0	10000	4100	22100
participated	Z	18000	4100	22100	34.36914	0	0	0	18000	4100	22100
Field Day	4	177	14	191	27.74869	0	0	0	177	14	191
Kisan Ghosthi	15	1457	301	1758	27.70193	0	0	0	1457	301	1758
Exhibition	0	0	0	0	0	0	0	0	0	0	0
organized	0	0	0	0	0	0	0	0	0	0	0
Participation in	7	20035	4604	24720	35 03570	0	0	0	20035	4604	24720
exhibition	/	20033	4094	24729	55.05579	0	0	0	20055	4094	24729
Film Show	1	38	0	38	18.42105	0	0	0	38	0	38
Method	11	221	2	224	12 82051	0	0	0	221	3	234
Demonstrations	11	231	5	234	12.82031	0	0	0	231	5	234
Farmers Seminar	1	61	81	142	65.49296	0	0	0	61	81	142
Workshop	1	6	0	6	0	0	0	0	6	0	6
Group	1	26	2	20	41 37031	0	0	0	26	3	20
discussion	1	20	5	29	41.37931	0	0	0	20	5	29
Lectures											
delivered as	18	1172	36	1208	18	0	0	0	1172	36	1208
resource persons											
Advisory	222	8205	2817	11112	41 3067	0	0	0	8295	2817	11112
Services		0275	2017	11112	41.3007	0	0	0	0275	2017	11112
Scientific visit to	151	1996	356	2352	32 31293	0	0	0	1996	356	2352
farmers field	151	1770	550	2352	32.31273	U	0	U	1770	550	2352
Farmers visit to	75	2151	420	2571	26 52664	0	0	0	2151	420	2571
KVK	15	2101	120	2371	20.52001	v	Ŭ	Ŭ	2131	120	2371
Diagnostic visits	0	0	0	0	0	0	0	0	0	0	0
Exposure visits	1	37	13	50	4	0	0	0	37	13	50
Ex-trainees	0	0	0	0	0	0	0	0	0	0	0
Sammelan		Ŭ	Ŭ	Ű	•	•		Ŭ	0	Ŭ	<u> </u>
Soil health	0	0	0	0	0	0	0	0	0	0	0
Camp		0	Ŭ	Ű		0	, 		, 	Ű	0
Animal Health	3	37	67	104	72.11	0	0	0	37	67	104
Camp	-					-	-	-			
Agri mobile	0	0	0	0	0	0	0	0	0	0	0
clinic											
Soil test	4	64	2	66	0	0	0	0	64	2	66
campaigns											
Farm Science	0	0	0	0	0	0	0	0	0	0	0
Club Conveners	0	0	0	0	0	0	0	0	0	0	0
meet											
Self Help Group	0	0		0	0	0	0	0	0	0	0
Conveners	0	0	0	0	0	0	0	0	0	0	0
Mabila											
Mandalaa											
Convonces	0	0	0	0	0	0	0	0	0	0	0
meetings											
Special day											
celebration	13	1137	387	1524	23.4252	0	0	0	1137	387	1524
concoration											

											66
Sankalp Se Siddhi	0	0	0	0	0	0	0	0	0	0	0
Swatchta Hi Sewa	15	749	126	875	29.70	0	0	0	749	126	875
Celebration of important date	10	261	58	331		0	0	0	273	58	331
Others Extension Activities	171	48365	2668	50666	33.79387	0	0	0	48365	2668	50666
Total	726	104295	16146	120086	33.69	0	0	0	104295	16146	120086

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	52
Radio talks	-
Books	2
Research paper	14
Review papers	2
News published in Newsletter	5
Technical report preparation	4
TV talks	-
Popular articles	9
Extension Literature (Folder)	4
Pamphlets	97
Extension bulletin	01
Electronic media coverage	4
Animal health camp	3
Any other (Abstract of research paper published in souvenir)	24
Total	221

C. Celebration of important days in KVKs

	No. of	Farmers				Extension Officials			Total		
Celebration of Important Days	activities	М	F	Total	SC/ST (% of total)	М	F	Total	М	F	Total
Republic day (26 th Jan.)	01	28	2	30	30	0	0	0	28	2	30
International Women's Day (8 th Mar.)	01	`12	29	41	51.21	0	0	0	12	29	41
Ambedkar Jayanti (14 th Apr.)	0	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21 st Jun.)	01	18	0	18	33.33	0	0	0	18	0	18
Independence Day (15 th Aug.)	01	51	5	56	39.28	0	0	0	51	5	56
Parthenium Awareness Week	01	20	0	20	65.00	0	0	0	20	0	20
Hindi Diwas (14 th Sep.)	0	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2 nd Oct.)	01	17	0	17	35.29	0	0	0	17	0	17
Mahila Kisan Diwas (15 th Oct.)	0	0	0	0	0	0	0	0	0	0	0
World Food Day (16 th Oct.)	0	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week	01	17	0	17	35.29	0	0	0	17	0	17
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0	0
World Science Day (10 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Education Day (11 th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Constitution Day (26th Nov.)	01	39	2	41	14.63	0	0	0	39	2	41
World Soil Day (5 th Dec.)	01	43	6	49	20.40	0	0	0	43	6	49
Kisan Diwas (23 rd Dec.)	01	28	14	42	57.14	0	0	0	28	14	42
Total	10	261	58	331	38.12	0	0	0	273	58	331

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

S 1	Date of event	Name of Event/Programme	Interaction of		Par	ticipants	
51.	Date of event	Name of Eventri togramme	Hon'ble PM/AM	Farmers	Staffs	VIP/Others	Total
1.	01.01.2022	10 th Instalment of PM-	Hon'ble PM and	25	5	0	30
		Kisan Samman	AM				
2.	26.04.2022	Kisan Bhagidari	Hon'ble PM and	325	13	02	340
		Prarthmikta Hamari	AM				
3.	16.07.2022	94 th Foundation of ICAR	Hon'ble AM	191	13	01	205
4.	17.09.2022	Poshan Vatika Abhiyan	Hon'ble AM	97	13	01	111
5.	17.10.2022	PM-Kisan Samman	Hon'ble PM and	289	13	03	305
			AM				

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed	Value	Number of farmers to whom seed provided				
crop	, all o by	(q)	(Rs)	SC	ST	Other	Total	
Paddy	Rajendra Mansuri – 1	286.2	Not received				DSP, RPCA U, Pusa	
Wheat	DBW – 39	95.0	Not received				DSP, RPCA U, Pusa	
Mustard	Rajendra Sufhalam – 1	15.75	Not received				DSP, RPCA U, Pusa	
Pigeon pea	Rajendra Arhar – 1	9.18	Not received				DSP, RPCA U, Pusa	
Sugarcane	Rajendra Ganna – 1, CoP – 9301	97.3	43,785.00	01	00	02	03	
Potato	Kufri Chipsona	3.3						
Other vegetables	Cauliflower, onion, chilly, broccoli, pea <i>etc</i> .	4.88						
Grand Total		511.61						

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	to whom	Number of farmers to whom planting material provi		provided
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower	Pusa Sharad	300	300.00	0	0	01	01
	Pusa Ketaki	200	200.00	0	0	02	02
	HY Safed	700	700.00	02	0	07	09
Cabbage	-	-	-	-	-	-	-
Tomato	Hybrid	300	300.00	0	0	01	01
	F1HY Laxmi	700	700	02	0	07	09
Brinjal	-	-	-	-	-	-	-
Chilli	K2	95	95.00	0	0	01	01
	S-716	970	970.00	05	0	10	15

							69
	BNR-109	1030	1030	02	0	07	09
	VNR-145	1000	1000.00	02	0	07	09
Onion	N-53	85165	10219.80	02	0	02	04
Sponge Gourd	Rajendra	461	2766.00	21	01	32	54
	Hybride	50	300.00	03	0	07	09
Bottle Gourd	Chamatkar	323	1938	13	0	22	35
	Nerendra Shivani	110	660	08	0	14	22
	LBH Latto No.1	60	360	04	02	06	12
Bitter Gourd	NBIH-332F1	50	300	02	02	06	10
Brokly	НҮ	1105	2210.00	02	0	07	09
Pointed Guard	N-207, N-360	90	2700.00	06	01	10	17
Flowers	Marigold Narangi	500	300.00	01	0	0	01
Vegetable							
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and							
Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total		93209	27048.8	75	6	149	229

Production of Bio-Products

	Quantity					
Name of product	Kg	Value (Rs.)	No.	of Farm	ers bene	fitted
			SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers
				benefitted
				SC ST Other Total
Dairy animals				
Cows				
Buffaloes				
Calves				
Others (Pl. specify)				
Small ruminants				
Sheep				
Goat				
Other, please specify				
Poultry				
Broilers				
Layers				
Duals (broiler and layer)				
Japanese Quail				
Turkey				
Emu				
Ducks				
Others (Pl. specify)				
Piggery				
Piglet				
Hog				
Others (Pl. specify)				
Fisheries				
Indian carp	Rohu+Katla+Mirgal+Grass carp	120 kg.	21,600	07
Exotic carp				
Mixed carp				
Fish fingerlings				
Spawn				
Others (Pl. specify)				
Grand Total	Rohu+Katla+Mirgal+Grass carp	120 kg.	21,600	07

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

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production of Pulses

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

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Author's name	Year	Title	ISBN No./ISSN Copy	Circulation		
Research paper						
Dutta, A., Bhattacharyya, R., Jiménez-Ballesta, R., Dey, A., Saha, N.D., Kumar, S., Nath, C.P., Prakash, V., Jatav, S.S., Patra, A.	2022	Conventional and zero tillage with residue management in rice– wheat system in the Indo- Gangetic Plains: Impact on thermal sensitivity of soil organic carbon respiration and enzyme activity	International Journal of Environmental Research and Public Health, 20: 810. doi: 10.3390/ijerph20010810	NAAS Rating – 9.39/ Impact Factor 4.614		
L. C., Jiménez- Ballesta, R., Kumawat, C., Patra, A. , Patel, A., Jangir, A., Nogiya, M., Meena, R. L., Moharana, P. C., Kumar, N., Sharma, R. P., Yadav, L. R., Reddy, G. P. O., and Mina, B. L.	2022	of land degradation vulnerability in aridecosystem of Rajasthan using analytical hierarchy process and geospatial techniques	doi: 10.3390/land12010106	– 9.40 / Impact Factor 3.905		
Goswami, S., Singh, S. K., Patra, A. , Dutta, A., and Mohapatra, K. K.	2022	Residual effects of nickel and its interaction with applied zinc and NPK improve the growth, yield, and nutritional quality of cowpea and urease activity of soil grown in Vertisols	Journal of Soil Science and Plant Nutrition, 1-11. doi: 10.1007/s42729-022- 01024-2	NAAS Rating – 9.87/ Impact Factor 3.610		
Anil,A.S.,Sharma,V.K.,Jiménez-Ballesta,R., Parihar, C.M.,Datta,S.P.,Barman,M.,Chobhe,K.A.,Kumawat,C.,Patra,A.,andJatav,S.S.	2022	Impact of long-term conservation agriculture practices on phosphorus dynamics under maize- based cropping systems in a sub-tropical soil	<i>Land</i> , 11 (9): 1488. doi: 10.3390/land11091488	NAAS Rating – 9.40/ Impact Factor 3.905		
Didawat, R. K., Sharma, V. K., Nath, D. J., Patra, A. , Kumar, S., Biswas, D. R., Chobhe, K. A., Bandyopadhyay, K. K., Trivedi, A., Chopra, I., Dutta, A., Mohapatra K. K., and Anil, A. S.	2022	Soil biochemical properties and nutritional quality of rice cultivated in acidic inceptisols using long-term organic farming practices	Archives of Agronomy and Soil Science, 1-16. doi: 10.1080/03650340.2022.20840 84	NAAS Rating – 9.09/ Impact Factor 2.242		
				73		
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Jatav, S. S., Singh, S. K., Kumar, S., Parihar, M., Patra, A. , Rana, K., and Jatav, H. S. Shashank Singh,	2022 2022	Effect of direct and residual sewage-sludge application on physiological attributes of rice-wheat cropping system Effect of phosphorus and	Indian Journal of Agricultural Sciences, 92 (6): 675–679 The Pharma Innovation	NAAS Rating – 6.37/ Impact Factor 0.37 NAAS Rating		
Biswarup Mehera, Subhangi Singh, RP Singh and Abhik Patra		sulphur application on yield attributes and yield of linseed (<i>Linum</i> <i>usitatissimum</i> L.) grown in middle gangetic plain	Journal, 11(10): 214-216	- 5.23		
Shashank Singh, Biswrup Mehra, Subhangi Singh, SK Singh, RP Singh and Abhik Patra	2022	Effect of phosphorus and sulphur application on growth attributes and growth rate of linseed (<i>Linum usitatissimum</i> L.) grown under sandy loam soil	The Pharma Innovation Journal, 11(11): 422-425	NAAS Rating – 5.23		
<u>RP</u> Singh , AK Singh, VP Singh RK Singh and Deepshikha Dixit	2022	IntegratedPestManagement Approachin PulseCropsSustainabilityofFarmers Income	Indian Journal of Agricultural Sciences, 94 (4): 531-535	NAAS rating: 6.37		
Omkar Singh, Dharmendra Kumar Singh, Abhishek Singh, RajendraPrata p Singh , Sunita Pandey, Ashish Kumar Bajpai	2022	Increasing Productivity of Lentil (<i>Lens</i> <i>culinaris</i>) using Improved Varieties under Alluvial Soil of Uttar Pradesh by Cluster Front Line Demonstrations	Legume Research- An International Journal, 45(4): 492-496	NAAS rating: 6.59		
RameshKumarNirala1,VKGond,SKGangwar,KAnjana,CJayachandran,MKMKSingh, RP SinghVPSingh	2022	Immunological effect of sparfloxacin in goats	Indian Journal of Animal Sciences, 92 (5): 555–559	NAAS rating: 6.32		
RP Singh.SKGangwar,DKTiwari,PKMishra andAKSingh	2022	Constraints Faced by Sugarcane Growers in West Champaran District of Bihar	Indian Journal of Extension Education, 57 (4): 78-81	NAAS rating: 5.95		
SK Gangwar, <u>R P Singh,</u>	2022	Effect of Foliar Application of Nano- Fertilizers on Growth and Yield of Wheat (<i>Triticum aestivum</i> L.)	Advances in Bioresearch, 13 (3): 190-193	NAAS rating: 4.53		

				74
PK Mishra, R.				
Ahmad and AK				
Singh				
Siligii				NAAG
Gyan Shukla,	2022	Predictive Attributes	International Journal of	NAAS
Utpal Kant,		Influencing Adoption	Extension Education, 18 (2):	rating: 3.45
Sudhanand		level of Farmers	43-48	
Prasad Lal,		apropos Climate		
Ratnesh Kumar		Resilient Agriculture		
Iha SK		Technologies in Binar		
Gangwar				
DD Sinch and				
<u>R.P.</u> Singn and				
Dhiru Kumar				
Tiwari				
		Review pape	er	
Singh, S. K.,	2022	Surface seeding of	Sustainability, 14 (12): 7460.	NAAS
Patra, A.,		wheat: A sustainable	doi: 10.3390/su14127460	Rating –
Chand, R., Jatav,		way towards climate		9.25 / Impact
H. S., Luo, Y.,		resilience agriculture		Factor 3.889
Rajput, V. D.,				
Sehar, S., Attar,				
S. K., Khan, M.				
A., Jatav, S. S.,				
Minkina, T., and				
Adil, M. F.				
Kumawat, C.,	2022	Microbial diversity and	Sustainability, 14 (15): 9280.	NAAS
Kumar, A.,		adaptation under salt-	doi: 10.3390/su14159280	Rating –
Parshad, J.,		affected soils: A review		9.25/ Impact
Sharma, S. S.,				Factor 3.889
Patra, A.,				
Dogra, P.,				
Yadav, G. K., Dadhiah S. K				
Daumich, S. K.,				
Verma, K., and				
Kulliawat, G. L.		Sominar/conforance/ sum	mosia nanore	
		Abstract of researc	h paper	
R. P. Singh.	2022	Potato and Maize	Vision 2047: Sustainable	22
Abhik Patra.		Intercropping: A way	Developments Towards	
SK Gangwar		towards Eco-Friendly	Atma Nirbhar Bharat	
P K The Coren		Pest Management and	(VSANB 2022); December,	
K. K. Jila, Gagan		Enhancing Productivity	23-24, 2022 at Footwear	
Kumar, Pankaj			Design and Development	
Malkanı, B. K.			Institute (FDDI) Banaur,	
Singh, D. K.			Chandigarh, India	
Tiwari, Abhinav				
Kumar Singh, M.				
S. Kundu and				
	l	l		

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Anupama Kumari				
R. P. Singh, S.K.Gangwar, R. K.Jha, Abhik Patra,Pankaj Malkani,D. K. Tiwari,Gagan Kumar,B. K. Singh,SubhashisaPraharaj,ChelpuriRamulu,Abhinav KumarSingh, M. S.Kundu andAnupamaKumari	2022	Zero Tillage Technology as a Pathway for Wheat (<i>Triticum aestivum</i> L.) Productivity and Profitability in North West Alluvial Plain Zone of West Champaran District, Bihar	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	18
<u>R. P. Singh.</u> S.K. Gangwar, D. K. Tiwari, Abhik Patra, Gagan Kumar	2022	Low-cost evaporative cooling technique for storage of potato, onion and garlic in West Champaran, Bihar, India	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	7
Abhik Patra, <u>R.</u> <u>P. Singh</u> , M. S. Kundu, S. K. Gangwar, R. K. Jha, Gagan Kumar, Pankaj Malkani, B. K. Singh ¹	2022	Growth and Yield Performance of Various Wheat Varieties in North West Alluvial Plain Zone	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	20
S.K. Gangwar, R. P. Singh, R.	2022	Impact of various rice and wheat production	Vision 2047: Sustainable Developments Towards	21

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K. Jha, D. K. Tiwari, Abhik Patra, Gagan Kumar, Pankaj Malkani, B. K. Singh, Abhinav Kumar Singh, M. S. Kundu and Anupama Kumari		technologies on productivity and profitability under the climate resilience agricultural programme	Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	
<u>R.P. Singh</u> and Durga Prasad	2022	Mushroom Enterprise: A good option for agri- entrepreneurship	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	54
<u>R.P. Singh</u> and Durga Prasad	2022	Kole of Mushroom Technology in Socioeconomic Upliftment of Society	VISION 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	52
Durga Prasad and <u>R.P. Singh</u>	2022	Mushroom Production in India: Current Status and Future Needs	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	53
Durga Prasad and <u>R.P. Singh</u>	2022	Mushroom Production in the World: An Overview	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	51
D.K. Tiwari, S.K. Gangwar, <u>R. P. Singh,</u> Abhik Patra, M. S. Kundu and Anupama Kumari	2022	Impact of improved package and practices of bottle gourd under frontline program	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	13

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D.K. Tiwari, S.K. Gangwar, <u>R. P. Singh,</u> M. S. Kundu, Saurabh Dubey, Subhashisa Praharaj, Chelpuri Ramulu and Ranjan	2022	Frontline demonstration of eco- friendly trap for management of fruit fly in Mango	Vision 2047: Sustainable Developments Towards Atma Nirbhar Bharat (VSANB 2022); December, 23-24, 2022 at Footwear Design and Development Institute (FDDI) Banaur, Chandigarh, India	26
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Surendra Singh Jatav, Eetela Sathyanarayana, Abhik Patra, Satish Kumar Singh, Saideep Thallapally, Kiran Kumar Mohapatra and Nidhi Luthra	2022	Soil analysis an interpretation manual	ISBN: 978-93-56510-17-3 (HB)	Jaya Publication
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<u>R.</u> P. Singh, Durga Prasad, S.K. Gangwar,	October, 2022	Mycorrhiza culture: An invaluable gift of nature for organic and natural farming	AGRIBLOSSOM A monthly peer reviewed e- magazine for Agriculture & allied Sciences	3 (4): 7-17

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		Advisory for the month of Aug. to the livestock farmers		
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<u>डॉ .आर .पी. सिंह,</u> डॉ ए.के. सिंह ,डॉ. एस.के. गंगवार, डॉ अभय कुमार सिंह	2022	समेकित कृषि प्रणाली जीवन का मूल आधार	प्रकाशक- कृषक चेतना जबलपुर Reg. no.: RNI/MPHIN/2010/37315	-
<u>डॉ .आर .पी. सिंह,</u> डॉ ए.के. सिंह ,डॉ. एस.के. गंगवार, डॉ अभय कुमार सिंह	2022	कोदो, कुटकी की उन्नत तकनीक एवं उपयोगिता	प्रकाशक- कृषक चेतना जबलपुर Reg. no.: RNI/MPHIN/2010/37315	-
<mark>डॉ .आर .पी. सिंह,</mark> डॉ ए.के. सिंह ,डॉ. एस.के. गंगवार, डॉ अभय कुमार सिंह	2022	प्राकृतिक खेती अपनाएं – कम लागत में अधिक लाभ कमायें	प्रकाशक- कृषक चेतना जबलपुर Reg. no.: RNI/MPHIN/2010/37315	-
<mark>डॉ .आर .पी. सिंह,</mark> डॉ ए.के. सिंह ,डॉ. एस.के. गंगवार, डॉ अभय कुमार सिंह	2022	प्राकृतिक खेती में फसल प्रबंधन के उपाय	प्रकाशक- कृषक चेतना जबलपुर Reg. no.: RNI/MPHIN/2010/37315	-
Technical reports	2022	 Annual Progress Report of KVK, Narkatiaganj for the year 2021 6th EEC report Action Plan of KVK, Narkatiaganj for the year 2022 – 2023 SAC meeting report of 2022 		
Electronic Publication				
Total	162			

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

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	Winter school	Climate smart agriculture for sustainable production	Mr. Abhik Patra, SMS – Crop Production	28 th March to 17 th April, 2022, 21 days	Dr. Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar
2.	Capacity Building Program	Solar powered Irrigation System	Mr. Pankaj Malkani SMS-Agricultural Engineering	25 th -27 th May, 2022 3 days	BISA Jabalpur
3.	Online workshop	All India fodder production officers: Kharif	Mr. Abhik Patra, SMS – Crop Production	28-30 th June, 2022, 3 days	ICAR- Indian Grassland and Fodder Research

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					Institute, Ihansi
4.	Online training	Extension strategies for	Mr. Abhik Patra,	22-26 th August,	Bihar
		promotion of climate	SMS – Crop Production	2022, 5 days	Agricultural
		resilient agriculture			Sabour
					Bhagalpur
5.	Management	Developing Winning	Mr. Abhik Patra,	12-17 th September,	ICAR-National
	development	research proposals	SMS – Crop Production	2022, 6 days	Academy of
	program				Agricultural
					Research
					Management
					Rajendranagar,
					Hyderabad
6.	21 days training	Advance course on	Mr. Abhik Patra,	29 th November –	BISA-
		climate resilient	SMS – Crop Production	19th December,	Ludhiana and
		agriculture (CRA)		2022, 21 days	Jabalpur
7.	Online training	All India fodder	Dr. Bhushan Kumar Singh	28-30 th June, 2022,	ICAR- Indian
		production officers:	SMS – Animal Science	3 days	Grassland and
		Kharif			Fodder
					Research
					Institute,
					Jhansi
8.	Online training	Extension Approaches	Dr. Bhushan Kumar Singh	23-25 November	MANAGE and
		for sustainable buffalo production	SMS – Animal Science	2022, 3 days	KVAFSU

3.7. 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. Anand Kumar Singh
Address	Willager Comboute of Nerketiogen; block West Champeron district in Diher
Address	village: Samnauta of Narkatiaganj block, west Champaran district in Binar
Contact details (Phone, mobile,	8340491683
email Id)	
Landholding (in ha.)	27
Name and description of the	Integrated Farming System (Crop + Fisheries based)
farm/ enterprise	
Economic impact	Mr. Anand Kumar Singh was born in farming family hails from the village
	Samhauta of Narkatiaganj block, West Champaran district in Bihar. He
	completed his graduation and chosen agriculture as a profession and started
	devoting his time focusing on a better farming. He is having 27 acre of land.
	Initially, he used to grow only rice, wheat, sugarcane and fisheries by
	adopting traditional methods. He was not getting the expected income. He
	felt that doing agriculture through conventional method minimized the yield
	and income. It is also associated with low productivity, increased cost on
	agriculture inputs and poor or no utilization of existing farm resources
	available in the farm. He came in contact of KVK scientists and other
	agencies like agriculture, horticulture, animal husbandry, he incorporated the
	major components of Integrated Farming Systems for diversified agriculture
	(Rice, Wheat, Sugarcane, Mustard, Mango, Makhana cultivation, Dairy,
	Fisheries/ Prawn farming) for enhancing his farm income. Now, he is a role

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	model for other agri-entrepreneur in the district for adopting Integrated
	Farming System.
	After establishing the integrated farming system, his net income increased to Rs. 2685600 lakh/-annually from 27 acre land. The overall average production growth and net income was 48.31 and 114.40 per cent more over previous baseline period. Mr. Singh has become a role model for fellow farmers in the district Wst Champaran of Bihar. His socio-economic status is recognized as a Progressive Farmers. His plan for the future is to expand IFS model and inculcating the value of agriculture among youth who are quitting agriculture. His future plan is also to increase his area under orchards. According to Mr. Singh, "a diversified farming system is like flower plants of different colours in a beautiful garden".
Social impact/Recognition	The partner farmers and neighboring farmers were fully convinced about
	 The partier famers and neighboring familiers were fully convinced about different components of integrated farming system i.e. different species of fishes, sugarcane settling transplanting technique (STT) with intercropping of short duration and short statured crop like potato, field pea, lentil and wheat, makhana cultivation, fruits plants (mango, litchi). Farmers becoming aware that saving of water and cost of fertilizers through use of drip and fertigation system in sugarcane crop, saving of power consumption and irrigation labour costs, wider row spacing and intercropping is one of the most important cultural practices for decreases insect-pests and diseases as well as increases doubling farmers income, nutritional and livelihood security. Intercropping in sugarcane crop has indicated more benefits in terms of net profits mainly resulting reduces cost of cultivation, reduction of incidence of insect pests and diseases and greater resource utilization and fulfils the diversified needs of the farmers. Farmer's confidence improved with KVK scientist and sugar mill officials to have face to face discussion and facilitated sharing of knowledge with experiences. Intercropping with sugarcane STT encouraged the partner and neighboring farmers to act their farm work in a more systemic and specific manner and also reducing plant protection input/other input costs and providing various environmental benefits. Crop based IFS model has indicated more benefit in terms of net profits mainly resulting reduces cost of cultivation, reduction of insect pests and diseases and greater resource utilization and fulfils the diversified needs of the farmers. The technology is capable for increasing the productivity, profitability and nutritional security of sugarcane growers as well as socio economic status of farmers. He has recognized by different institutions i.e. Abhinav Kisan Puraskar-2020 by Dr Rajendra Prasad Central Agricultural University, Pusa, Samastipur, Bihar Best IFS model and
	 Plaque of Appreciation awarded for his significant contribution to
	1 11

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	 STRASA and particularly his substantial role involvement in creating generating awareness and promoting stress tolerant rice in Bihar by IRRI, Philippines, Manila. Recognition certificate for Fingerlings production-2021 by district Fisheries department, West Champaran, bihar. Kisan Shri Award by ATMA, West Champaran, Bihar.
Environmental impact	They are reducing the contamination of environment by adoption of different components of IFS in their cropping system. The number of friendly insects in the surrounding environment increases by growing intercrop in sugarcane crop, due to which the use of chemical pesticides is reduced and hygienic products are obtained.
Horizontal/ Vertical spread	The rapid horizontal/vertical expansion of crop based IFS model and STT technique in sugarcane crop with intercropping are ensured to increasing the productivity, profitability and nutritional security of sugarcane growers as well as socio economic status of farmers. The outcome of these new technology for higher sugarcane production and fisheries inspired the farming communities to replace their conventional method of transplanting/sowing technique with resistance high yielding varieties which are being cultivated. More than 10 crop based IFS model and >1000 acre area are being cultivated by this technologies.
	<image/>
Crop Pr	oduction and Mango cultivation by Mr Anand Singh



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Methodology	Major steps involved in raising single bud or bud-chip settlings and intercropping
adopted by the	are given below.
farmers	 Preparation of single-bud setts or bud-chips for one acre, 6–8-month-old plant crop (6-7 qt. seed cane), protray (50 cavity-200 no.), cocopeat (25 kg), vermicompost/FYM (7 qt.), jaivik shakti compost manure (1 qt.), sand (25 kg), fungicide (100 g), insecticide (500 ml), NPK powder 100g, humic acid 30 ml, use single bud sett cutter or bud chip machines available locally are required. Mr. Singh collected the all materials for settling production as per norms. Single bud setts cut by single bud cutter machine and treated with nutrients and pesticides (0.1% each of Urea, FeSO4 and ZnSO4; and 0.04% Propiconazole fungicide) manually. Planted single budded setts vertically/bud-chips with buds facing upwards in protrays/ cavity trays using above mentioned ratio potting mixture of sand: soil: decomposed FYM/cocopeat/vermicompost etc. Stacked the sett filled protray vertically one over others and cover the trays with polythene sheet and leave it for 5-6 days. After 5 days unpacked the trays, spread it horizontally. Watering followed in the settlings regularly. The settlings will be ready for transplanting by 30-35 days. He transplanted 30-35 days old settlings in the main field using the sugarcane settling transplanting technique manually with normal planting spacing of 5 x 2 feet (row x plant) distance in a paired row and zig-zag (5000 settling/acre) and also at 4 x 1.5 feet (row x plant) distance in a single line (8000 settlings as in gap filling in their field for maintaining the plant populations. He used drip irrigation and fertigation system in their sugarcane plots for proper delivery of water and fertilizers at active root zone resulting in higher water and fertilizer use efficiency. In wider row spacing, planted sugarcane + potato, sugarcane + field pea, sugarcane + lentil and sugarcane + wheat in their farm field.
Economic impact	Mr. Sachin Kumar Singh had heard about the importance of sugarcane settling transplanting technique through Harinagar Sugar Mill (HSM) officials, Scientists of RPCAU, Pusa and newspaper etc. He also exposed his keen interest to HSM officials and KVK scientists for adoption of settling transplanting technique for sugarcane production in their farm. He started their work on said technology with intercropping of potato, field pea, lentil and wheat since 2017-18. He also adopted drip irrigation system for irrigation in STT methodology. By taking the technical knowledge from KVK scientists and HSM officials. Now, he is doing sugarcane production technology through settling transplanting technique with intercropping in an area of 15 acre with other recommended package of practices. All the necessary arrangement made by Harinagar Sugar Mill officials and KVK, technocrats regarding scientific cultivation of sugarcane settling transplanting technique with intercropping during 2020-21. Mr. Sachin Singh adopted sugarcane settling transplanting technique with intercropping of sugarcane + potato, sugarcane + field pea, sugarcane + lentil and sugarcane + wheat for higher production, income and their livelihood security. He also adopted other package and practices with proper insect-pest and disease management as per suggestion of KVK scientists. He harvested 5250 qt production of sugarcane including intercropped yield from 15-acre lands during 2020-21. He also harvested 79 qt. produce (paddy and wheat) during 2020-21. He got net returns of Rs. 978750/- and Rs. 80700/- from sugarcane STT with intercropping and paddy and wheat, respectively during 2020-21. It was 312.11 and 54.60 per cent more over previous baseline period. He received total net income of Rs. 1135450/- during 2020-21, which was 240.77 per cent more over previous baseline period (Rs. 333200/-during

2016-17). He is also producing about 3600 litre milks from their 4 cows ar receiving net income about Rs. 76000/- annually from their livestock's, which 74.71 per cent more over previous baseline period.Social impactThe partner farmers and neighboring farmers were fully convinced abo sugarcane settling transplanting technique (STT) with intercropping of sho duration and short statured crop like potato, field pea, lentil and wheat. Farme becoming aware that saving of water and cost of fertilizers through use of drip ar fertigation system in sugarcane crop, saving of power consumption and irrigati labour costs, wider row spacing and intercropping is one of the most importal cultural practices for decreases insect-pests and diseases as well as increased doubling farmers income, nutritional and livelihood security. Intercropping sugarcane crop has indicated more benefits in terms of net profits mainly resultin reduces cost of cultivation, reduction of incidence of insect pests and diseases ar greater resource utilization and fulfils the diversified needs of the farmer Farmer's confidence improved with KVK scientist and sugar mill officials to hav face to face discussion and facilitated sharing of knowledge with experience Intercropping with sugarcane STT encouraged the partner and neighboring farme to act their farm work in a more systemic and specific manner and also reducin plant protection input/other input costs and providing various environment benefits. The technology is capable for increasing the productivity, profitabilit and nutritional security of sugarcane growers as well as socio economic status of farmers.		93
Social impactThe partner farmers and neighboring farmers were fully convinced abore sugarcane settling transplanting technique (STT) with intercropping of shore duration and short statured crop like potato, field pea, lentil and wheat. Farme becoming aware that saving of water and cost of fertilizers through use of drip ar fertigation system in sugarcane crop, saving of power consumption and irrigation labour costs, wider row spacing and intercropping is one of the most important cultural practices for decreases insect-pests and diseases as well as increased doubling farmers income, nutritional and livelihood security. Intercropping is sugarcane crop has indicated more benefits in terms of net profits mainly resulting reduces cost of cultivation, reduction of incidence of insect pests and diseases are greater resource utilization and fulfils the diversified needs of the farmer Farmer's confidence improved with KVK scientist and sugar mill officials to hav face to face discussion and facilitated sharing of knowledge with experience Intercropping with sugarcane STT encouraged the partner and neighboring farmer to act their farm work in a more systemic and providing various environment benefits. The technology is capable for increasing the productivity, profitabilit and nutritional security of sugarcane growers as well as socio economic status of farmers.		2016-17). He is also producing about 3600 litre milks from their 4 cows and receiving net income about Rs. 76000/- annually from their livestock's, which is 74.71 per cent more over previous baseline period.
	Social impact	The partner farmers and neighboring farmers were fully convinced about sugarcane settling transplanting technique (STT) with intercropping of short duration and short statured crop like potato, field pea, lentil and wheat. Farmers becoming aware that saving of water and cost of fertilizers through use of drip and fertigation system in sugarcane crop, saving of power consumption and irrigation labour costs, wider row spacing and intercropping is one of the most important cultural practices for decreases insect-pests and diseases as well as increases doubling farmers income, nutritional and livelihood security. Intercropping in sugarcane crop has indicated more benefits in terms of net profits mainly resulting reduces cost of cultivation, reduction of incidence of insect pests and diseases and greater resource utilization and fulfils the diversified needs of the farmers.
Environmental impact impact intervironment impact impact intervironment impact intervironment impact intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment intervironment interv	Environmental impact	They are reducing the contamination of environment by the use of pesticides in their crops through drip system. The number of friendly insects in the surrounding environment increases by growing intercrop in sugarcane crop, due to which the use of chemical pesticides is reduced and hygienic products are obtained.
Horizontal/ Vertical spread Sugarcane settling transplanting technique (STT) with intercropping are adopted by them and enhanced the yield of Sugarcane + Potato/Field pea/Lentil/Whet about 250% more over conventional method followed by Paddy-Wheat (23.44% and by dairy animal (20%). The overall production increased by 253.06 per cen- and income jumped about 240.77 per cent. The rapid horizontal/vertical expansion of STT technologies of the sugarcane crop with intercropping are ensured to increasing the productivity, profitability and nutritional security of sugarcan- growers as well as socio economic status of farmers. The outcome of these ne- technology for higher sugarcane production inspired the farming communities to replace their conventional method of transplanting/sowing technique with resistance high yielding varieties which are being cultivated. More than 1000 ac- area are being cultivated by this technologies.	Horizontal/ Vertical spread	Sugarcane settling transplanting technique (STT) with intercropping are adopted by them and enhanced the yield of Sugarcane + Potato/Field pea/Lentil/Wheat about 250% more over conventional method followed by Paddy-Wheat (23.44%) and by dairy animal (20%). The overall production increased by 253.06 per cent and income jumped about 240.77 per cent. The rapid horizontal/vertical expansion of STT technologies of the sugarcane crop with intercropping are ensured to increasing the productivity, profitability and nutritional security of sugarcane growers as well as socio economic status of farmers. The outcome of these new technology for higher sugarcane production inspired the farming communities to replace their conventional method of transplanting/sowing technique with resistance high yielding varieties which are being cultivated. More than 1000 acre area are being cultivated by this technologies.



Bud cutting by farmer through single bud cutter machine, sett treatment, prepared compost and placement of single bud in protrays





Give details of innovative methodology or innovative technology of Transfer of Technology developed and 3.8. used during the year

uI I.	ing the year			
	Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
	1	Fish pond based integrated farming system Mango orchard Solar powered based Irrigation system Makhana Cultivation Custom hiring Center STT based Sugarcane cultivation	Mr. Anand Kumar Singh Village: Samhauta, Block: Narkatiyaganj, Distt.: W. Champaran	Establishment of the integrated farming system, the net income increased to Rs. 2685600 lakh/-annually from 27 acre land. The overall average production growth and net income was 48.31 and 114.40 per cent more over previous baseline period. Mr. Singh has become a role model for fellow farmers in the district West Champaran of Bihar. His socio-economic status is recognized as a Progressive Farmers. His plan for the future is to expand IFS model and inculcating the value of agriculture among youth who are quitting agriculture. His future plan is also to increase his area under orchards. According to Mr. Singh, "a diversified farming system is like

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			flower plants of different colours in a beautiful garden".
2.	STT based sugarcane cultivation Drip Irrigation system for the irrigation of Sugarcane Developed methodologies for portray mix preparation for STT	Mr. Sachin Singh Village: Katsikri, Block: Ramnagar, Distt.:W. Champaran	Preparation of single-bud setts or bud- chips for one acre, 6–8-month-old plant crop (6-7 qt. seed cane), protray (50 cavity-200 no.), cocopeat (25 kg), vermicompost/FYM (7 qt.), jaivik shakti compost manure (1 qt.), sand (25 kg), fungicide (100 g), insecticide (500 ml), NPK powder 100g, humic acid 30 ml, use single bud sett cutter or bud chip machines available locally are required. Mr. Singh collected the all materials for settling production as per norms. Single bud setts cut by single bud cutter machine and treated with nutrients and pesticides (0.1% each of Urea, FeSO4 and ZnSO4; and 0.04% Propiconazole fungicide) manually. Planted single budded setts vertically/bud-chips with buds facing upwards in protrays/ cavity trays using above mentioned ratio potting mixture of sand: soil: decomposed FYM/cocopeat/vermicompost etc. Stacked the sett filled protray vertically one over others and cover the trays with polythene sheet and leave it for 5-6 days. After 5 days unpacked the trays, spread it horizontally. Watering followed in the settlings regularly. The settlings will be ready for transplanting by 30-35 days.

a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs) 3.9.

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK
1.	Wheat and Mustard	Seed treated with BEEJAMRIT	For healthy plant growth and higher yield with less nutrient requirement
2.	Mustard	Application of Varmiwash	For insect pest management

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1.	Wheat and Mustard	12 ha & 5 ha	Crop is in Standing phase	10	Yes
2.	Mustard	3 ha	Crop is in Standing phase	6	Yes

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3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed
1.	Village level survey by developed data collection tools (interview schedules, questioner, etc.)	To access the need based training
2.	PRA and RRA activity	To access the need based training and to know the socio-economic status of the farmers, natural resources availability, etc.

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

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far:

Number of soil samples analyzed						
Through mini soil testing kit/labs Through soil testing laboratory Total						

3.11.c Detail of Soil, Water and Plant analysis at KVK

S1.	Analysis	No. of Samples	No. of	No. of	Amount realized (\mathbf{R}_{s})
		analyzed	Villages	Farmers	Amount realized (RS.)
1.	Soil	1800	46	1800	Soil sample tested by HSM, Ramnagar
2.	Water				
3.	Plant	238	14	238	
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

3.11.d. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Kisan gosthi	49	0	0	Nil	49
2	Method demonstra tion for soil sampling	49	0	0	Nil	49

3.12. Activities of Rain Water Harvesting structure and micro irrigation system

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

3.13. Technology week celebration

	Type of activities	No. of activities	Number of participants	Related crop/livestock technology			
2 1	14 DAWE/EET and endering the KUK involved? (VAD, NO						
5.14	.14. RAWE/ FET programme - is KVK involved? (Y/N)- NO						
	No of student trained			No of days stayed			

ARS trainees trained	No of days stayed

3.15. List of VIP visitors (Minister/ MP/MLA/DM/VC/ZilaParishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit
MP (Rajy Sabha	Hon'ble Shri Satish Chandra Dubey	Inauguration of Kisan Bhagidari-Prathmikata Hamari Program-2022
Dean, College of Fisheries, RPCAU, Pusa	Dr P P Srivastava	SAC meeting
DEE, RPCAU, Pusa	Dr M S Kundu	SAC Meeting

4. IMPACT

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

Name of specific	No of participants	% of adoption	Change in income (Rs.)	
technology/skill transferred	No. of participants		Before (Rs./Unit)	After (Rs./Unit)
STT and IFS, Natural farming				

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					
STT	1200 ha					
Rajender ganna-1	450 ha					
Rajender suflam-1	600 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	Impact	of	the	technology	in	Impact	of	the	technology	in
	technology			ive t	erms			objective terms				

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. 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	

4.6. 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
Jeevika	Training of farmers

5.2. List of special programme undertaken during 2022 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies (information of previous years should not be provided)

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 OF INFRASTRUCTURE IN KVK

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

S1	Nama of	Year	Area	Details of	Details of production		Amoun		
No	demo Unit	of	(Sq.	Variety/bre	Droduco	Otv	Cost of	Gross	Remarks
110.	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		(ha)		of product	ion	Amount	Domark	
		harvest	Area (Variety	Type of Produc e	Qty. (q)	Cost of inputs	Gross inco me	s s
Paddy	4-6 July, 2022	26-29 Novem ber, 2022	6 ha	R. mahsuri	F/S	286.2	-	-	Kharif -2022
Wheat	8-16 Decemb er, 2021	26-29 April, 2022	6 ha	DBW 39	F/S	95	-	-	Rabi, 2021- 2022
Wheat	8-16 Decemb er, 2022	Standin g position	6 ha	DBW 39	B/S and F/S	-	-	-	Rabi, 2022- 2023
Pigeon pea	25 July, 2021	12-14 May, 2022	1 ha	R. arhar-1	F/S	9.18	-	-	Kharif , 2021- 2022
Pigeon pea	20-23 July, 2022	Standin g position	1 ha	R. arhar-1	F/S	-	-	-	Kharif , 2022- 2023

									101
Mustard	5-6 Novem ber, 2021	20-24 April, 2022	2 ha	R. Suflam	T/L	19.75	-	-	Rabi, 2021- 22
Mustard	2-4 Novem ber, 2022	Standin g position	1 ha	R. Suflam	T/L	-	-	-	Rabi, 2022- 2023
Sugarcane	10 Novem ber, 2021	12-18 Decemb er, 2022	1.75 ha	Rajendra ganna-1 and CoP 9301	B/S	97.3	-	-	Autu mn, 2022
Sugarcane	09 March, 2022	Standin g position	0.5 ha	Rajendra ganna-1	B/S	-	-	-	Spring , 2022
Total						503.43			

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

Sl. 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	Details of proc	luction		An	nount (Rs.)	
No	of the animal / bird / aquatics	Breed	Type of Produce	Qty.	Cost of inputs	Gross income	Remarks
1.	Aquatics	Rohu+Katla+Mirgal+Grass carp	Fish	120 kg	-	21000	Remaining harvesting will be done in next season
2.							
3.							

6.5. 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)

6.6. Utilization of staff quarters

Whether staff quarters has been completed: No. of staffquarters:

Date of completion: Occupancy details:

						102
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	Sugauli, East Champaran	0859002100006775
Revolving A/c	Punjab National Bank	Sugauli, East Champaran	0859000100346611

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

	Released by ICAR		Expe	Unspent	
Item	Kharif	Rabi	Kharif	Rabi	balance as on 1 st April, 2023
Mustard		0.00		0.00	0.00

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

	Released by ICAR		Expenditure		Unspent
Item	Kharif	Rabi	Kharif	Rabi	balance as on 1 st April 2023
Pigeon pie	0.00		0.11		(-)0.11

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

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Re	ecurring Contingencies			
1	Pay & Allowances	92.16	80.75	11.41
2	Traveling allowances	1.75	0.85	
3	Contingencies			
Α	Stationary, Telephone, Postage, Electric bill and others	3.40	3.20	0.20
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	4.50	4.15	0.35
G	OFT			
Н	Soil & Water Testing Lab			
Ι	Maintenance of building			
J	Estension activities, KisanMelaetc			
	TOTAL (A)	101.81	88.95	11.96

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B. No	B. Non-Recurring Contingencies							
1	Works	-	-	-				
2	Vehicle	-	-	-				
3	3 Furniture & Fixture		-	-				
4	Equipments	-	-	-				
	TOTAL (B)	-	-	-				
C. RE	VOLVING FUND							
	GRAND TOTAL (A+B+C)	101.81	88.95	11.96				

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

Year	Opening balance as on 1 st April	Income during the year	Expenditure during the year	Net balance in hand as on 1 st April of each year (Kind + cash)
2019	-	-	-	
2020	-	-	-	
2021	-	209235.00	120983.00	88,252.00
2022	274805.90	1013560.00	1288365.90	6,10,558.90+6,00,000.00 =12,10,558.90

8. Other information

8.1. Prevalent diseases in Crops

Name of the	Cron	Date of	Area	%	Preventive measures taken for area (in
disease	Сгор	outbreak	affected	Commodity	ha)
uiseuse		outoreun	(in ha)	loss	114)
Alternaria	Mustard	1 st week of	50	8-10%	Same as in affected area by spraving
hlight	Widstard	December	50	0 10/0	of Azoxystrobin 23% SC @ 1 ml/L iter
ongin		December			of water
Blast	Paddy	2 nd week of	100	10-12%	Same as in affected area by spraying
Diast	1 dddy	September	100	10 12/0	of Hexaconazole 5% FC @ 1 ml/Liter
		September			of water
Brown spot	Paddy	2 nd week of	100	12-15%	Same as in affected area by spraying
1		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)

9.1. Nehru Yuva Kendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. mKisan Portal (National Farmers' Portal/ SMS Portal)

Type of message	No. of messages	No. of farmers covered
Crop		
Livestock		
Fishery		
Weather		
Marketing		
Awareness		
Training information		
Other		
Total		

9.4. KVK Portal and Mobile App

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

9.5 Kisan Mobile Advisory Services (KMAS)

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

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/	Activities undertaken		No. of Pa	rticipants	
Duration of		Staffs	Farmers	Others	Total
Observation					
16- 31.12.2022	Taking swachhta pledge and cleanliness, campus cleanliness, waste management at farmers field, cleanliness at outside campus, safe disposal of waste material, cleaning of office record and hand sanitization.	16	104	0	120

b. Details of Swachhta activities with expenditure

	Activities	Number	Expenditure (in Rs.)
1.	Digitization of office records/ e-office		
2.	Basic maintenance		
3.	Sanitation and SBM		
4.	Cleaning and beautification of surrounding areas		
5.	Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste		
6.	Used water for agriculture/ horticulture application		
7.	Swachhta Awareness at local level		
8.	Swachhta Workshops		
9.	Swachhta Pledge		
10.	Display and Banner		
11.	Foster healthy competition		
12.	Involvement of print and electronic media		

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13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	
14. No. of Staff members involved in the activities	
15. No of VIP/VVIPs involved in the activities	
16. Any other specific activity (in details)	
Total	11000

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9.7. Observation of National Science Day

Date of Observation	Activities undertaken

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants
Interaction with SSB personnel	19/10/2022	50

9.9. Agriculture Knowledge in rural school

Name and address of school	Date of visit to school	Areas covered	Teaching aids used

Give good quality 1-2 photograph(s)

9.10. Details of 'Pre-Rabi Campaign' Programme

ogramme	n Ministers programme	n'ble MPs Rajyasabha) pated	tte Govt. sters	° .	Participants (No.) ਦੁਨੂ ਲੋਂ ਣਿੱਤ				by Door Yes/No)	by other		
Date of pr	No. of Unio attended the	No. of Hoi (Loksabha/ F partici	No. of Sta Minis	MLAs Attended th programme	Chairman ZilaPanchay	Distt. Collector/ D	Bank Officia	Farmers	Govt. Officials, PF members et	Total	Coverage Darshan (Coverage

9.11. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)
1.	Taking swachhta pledge and cleanliness, campus cleanliness, waste management at farmers field, cleanliness at outside campus, safe disposal of waste material, and hand sanitization. Total 15 activities was done.	4	875	0	Nil

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Particip ants	No. of VIPs	Name (s) of VIP(s)

9.13. No. of Progressive/Innovative/Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	MNREGA	10 Lakhs	Gram Panchayat NKE
2.			
3.			

9.15. Resource Generation:

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

9.16. Performance of Automatic Weather Station in KVK

Date of	Source of funding i.e.	Present status of functioning
establishment	IMD/ICAR/Others (pl. specify)	
02/09/2022	CRA pogramme	Functioning

9.17. 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

10. Report on Cereal Systems Initiative for South Asia (CSISA)

- a) Year:
- b) Introduction / General Information:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1						
Experiment 2						
Experiment 3						
•••						
Others (If any)						

11. Details of TSP

a. Achievements of physical output under TSP during 2021

Sl.	Activities	Physical Achievement		
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.)			

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b. Fund received under TSP in 2022-23 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2022

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 2022

District	Sub- district	No. of Village	Name of village(s)	5	ST population bene (No.)	fitted
		covered	covered	Μ	F	Т

12.Details of SCSP

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

13. Progress report of NICRA KVK (Technology Demonstration component) during the period (Applicable for KVKs identified under NICRA)

Natural Resource Management

Name of intervention undertaken	Numbers	No	Area		No	of fa b	rmer: enefi	s cov tted	vered	/		Domorika
	under	0I	(ha)	SC	S	ST	Oth	ner	Tot	tal		Kemarks
	taken	units		M	F N	M F	Μ	F	Μ	F	Т	

Crop Management / Production

Name of intervention undertaken	Area (ha)		No of farmers covered / benefitted								Remarks
		S	SC S'			Otl	ner		Total		
		Μ	M F		F	Μ	F	Μ	F	Т	

Livestock and fisheries

Name of intervention undertaken	Number of animals covered	No of units	Area (ha)	1	No of farmers covered / benefitted					Remarks
				SC	SC ST Other Total					
				M F M F M F M F T						

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

S	l. No.	Name	e of the Award	Conferr	ing Authority		Amou	nt		Purpose	e
	b) Awa	ard rece	eived by Farm	ers in year 20	22						
S1.	Name o Awa	of the ard	Name of the Farmer	Address	ddress Contact No. A			adhar No. Am		Purpose	Conferring Authority
1	Abhina Kisan Puraska 2022 b Rajenda Prasad Central Agricul Univers Pusa, Samast Bihar	ar- oy Dr ra l ltural sity, ipur,	Mr. Vinay K. Pandey	Barnihar, Narkatiaganj, West Champaran	7488267391	-		Rs. 5000)/-	For facilitation of innovative farmers	DRPCAŬ, Pusa

14.a) Awards/Recognition received by the KVK in year 2022

15. Any significant achievement of the KVK with facts and figures as well as quality photograph

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Member s	Financial position (Rupees in lakh)	Success indicator

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

				112
3.				

18. Technologies for Doubling Farmers' Income

Sl. No.	Name of the Technology	Brief Details of Technology (3- 5 bullet points)	Net Return to the farmer (Rs.) per ha per year due to adoption of the technology	No. of farmers adopted the technology in the district	One high resolution 'Photo' in 'jpg' format for each technology
1					
2					

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

	Database pre	pared/ covered for	KVK leve	l Committee	Various activity	
Phase	Total no. of	Total no. of	Date of	Name of	conducted for farmers	
	villages	farmers	formation	members	conducted for farmers	
Ι						
II						
Total						

20. Information on Visit of Ministers to KVKs, if any

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

21. a) Information on ASCI Skill Development Training Programme, undertaken during 2022

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2022							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2022

Thomatic area	Title of the	Dunation		No. of participants						Fund utilized for		
of training	training	(in hra.)	S	С	S	Т	Ot	her		Tot	al	the training (Ba)
of training	training	(111 111 S.)	Μ	F	Μ	F	Μ	F	Μ	F	Т	the training (RS.)

22. Information of NARI Project (if applicable)

Name of Nodal Officer	No. of OFT on specified aspects	Title(s) of OFT	No. of FLD on specified aspects	No. of capacity development programme on specified aspects	Total no. of farm women/ girls involved in the project	Details of Issues related to gender mainstreaming addressed through the project

Progress Information of NARI Project

a. 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			
	TOTA	AL			

b. Details of Bio-fortified crops 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

c. 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

d. Training programmes in Nutri-Smart village

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

e. Extension activities under NARI Project

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

23. Activities under KSHAMTA

Number of Adopted Villages	No. of A	ctivities	No. of farmers benefited			
i tume er of fluopteu + mageo	Demo	Training	Demo	Training		

24. Information on Krishi Kalyan Abhiyan Phase-II/ Phase-III, if applicable

Krishi Kalyan Abhiyan- I/II A. Training

Name of programme	No. of programmes			No. of officials							
		SC ST				Oth	ners		Total	attended the	
		M	F	M	F	M	F	M	F	Т	programme
KKA-I											
KKA-II											

B. Distribution of seed/ planting materials/ input/ others

Name of	No. of Programme See (q	Total quantity distributed				No. of farmers benefited								No. of other officials	
programme		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	So M	C F	S' M	Г F	Oth M	ers F) M	Fotal	l T	(except KVK) attended the programme
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of	No. of		Activitie	es performed			l	No. o	f far	mers	bene	efited			No. of
		No. of	No. of	Feed/	Any other (Distributio	SC		ST		Other s		Total			other officials (except
e e	Programm e	animals vaccinate d	animals deworme d	nutrient supplement s provided (kg)	utrient n of oplement animals/ provided birds/ (kg) fingerlings) [No.]	М	F	М	F	М	F	М	F	Т	KVK) attended the programm e
KKA-I															
KKA-II															

D. Other activities

Nome of]	No. o	f far	mers	bene	efited	l		No. of other officials (except KVK)
name of	Activities		С	ST		Others		Total			attended the programme
programme		Μ	F	Μ	F	Μ	F	Μ	F	Т	
KKA-I	Soil Health Card Distributed										
	NADEP										
	Pit established										
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP										
	Pit established										
	Farm implements distributed										
	Others, if any										

Krishi Kalyan Abhiyan- III

	No. of animal inseminated			No. o		Any other if any					
No. of villages covered		SC		ST		Others		Total			(nl specify)
		Μ	F	Μ	F	Μ	F	Μ	F	Т	(pi. specify)

25. ARYA

KVK	No. of entrepreneurial units established	No. of Training programs organized	No. of youth	f rural trained	No. o establis	f youth hed units
			Male	Male Female		Female

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

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

27. Good quality action photographs of overall achievements of KVK during the year (best 10)



Krishi Vigyan Kendra, Narkatiaganj celebrated World Pulse Day-2022









Kisan Bhagidari-Prathmikata Hamari Program-2022- Chaired by Hon'ble Rajya Sabha MP Shri Satish Chara Dubey Ji



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