



ANNUAL REPORT 2022



KRISHI VIGYAN KENDRA, ARWAL
(BIHAR AGRICULTURAL UNIVERSITY, SABOUR, BHAGALPUIR)

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 KVK	Telephone		E-Mail
	Office	FAX	
Krishi Vigyan Kendra, Arwal Lodipur Farm, PO-Sarwarpur, Via – Usari, PS – Mahendia, Distt. – Arwal (Bihar), Pin Code - 804428	+91 – 89871 93648	-	arwalkvk@gmail.com

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

Name and address of Host Organization	Telephone		E mail
	Office	FAX	
Bihar Agricultural University, Sabour, Bhagalpur, Bihar Pin – 813210	0641-2452606	0641 -2452604	deebausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Surendra Chaurasia	-	8987193648	arwalkvk@gmail.com

1.4. Year of sanction of KVK: 2008

(Reference of Sanction Order) ICAR F No.6-2/2006- AE I dt. 29-07-2008

1.5. Staff Position (as on 31st December 2021)

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. Surendra Chaurasia	Sr. Scientist & Head	Plant Pathology	Level 13A 1,61,600/-	02-05-2012	Permanent	Others
2.	Subject Matter Specialist	Dr. C. N. Choudhary	SMS	Agronomy	Level 11 1,39,900/-	25-03-1988	Permanent	Others
3.	Subject Matter Specialist	Dr. Uday Prakash Narayan	SMS	Plant Pathology	Level 10 1,01,100/-	12-11-2007	Permanent	OBC
4.	Subject Matter Specialist	Dr. (Mrs.) Kavita Dalmia	SMS	Home Science	Level 10 95,300/-	12-06-2009	Permanent	Others
5.	Subject Matter Specialist	Dr. (Mrs.) Bibha Kumari	SMS	Animal Science	Level 10 84,700/-	15-06-2009	Permanent	OBC
6.	Subject Matter Specialist	Dr. Ajay Kumar Das	SMS	Horticulture	Level 10 82,200/-	16-06-2009	Permanent	SC
7.	Subject Matter Specialist	Vacant	-	-	-	-	-	-
8.	Programme Assistant	Sri Kundan Kumar	Prog. Asst. (Lab Technician)	Laboratory	Level 6 47,600/-	29-10-2012	Permanent	BC
9.	Computer Programmer	Sri Prashant Kr. Sinha	Prog. Asst. (Computer)	Computer	Level 6 46,200/-	31-05-2013	Permanent	Others
10.	Farm Manager	Vacant	-	-	-	-	-	-
11.	Accountant / Superintendent	Mrs. Kumari Jyoti Singh	Assistant		Level 6 46,200/-	18-04-2013	Permanent	OBC
12.	Stenographer	Sri Ranjan Kumar Das	Stenographer		13,994/-		Contractual	
13.	Driver	Sri Shyam Sundar Ram	Driver		Level 3 27,600/-	20-05-2015	Permanent	EBC
14.	Driver	Sri Ashok Kumar Das	Driver		Level 3 27,600/-	13-05-2015	Permanent	SC
15.	Supporting staff	Sri Jaynandan Paswan			11,062/-		Contractual	
16.	Supporting staff	Vacant	-	-	-	-	-	-

1.6. Total land with KVK (in ha):

S. No.	Item	Area (ha)
1.	Under Buildings	2.5
2.	Under Demonstration Units	0.0
3.	Under Crops	5.5
4.	Orchard/Agro-forestry	0.8
5.	Others with details	0.4
	Total	9.2

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					Completed not hand over			ICAR
2.	Farmers Hostel					Completed not hand over			ICAR
3.	Staff Quarters (6)					Uncompleted			ICAR
4.	Piggery unit					-			-
5.	Fencing					Uncompleted			ICAR
6.	Rain Water harvesting structure					-			-
7.	Threshing floor							Under use	ICAR
8.	Farm godown							Under use	ICAR
9.	Dairy unit								-
10.	Poultry unit								-
11.	Goatry unit								-
12.	Mushroom Lab					Uncompleted			ICAR
13.	Mushroom production unit					Uncompleted			ICAR
14.	Shade house								
15.	Soil test Lab								
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 Jeep	2012	5.12 Lakhs	257314	Good
Tractor	2009	3.82 Lakhs	-	Good
Honda Motorcycle (9646)	2015		17021	Good
Honda Motorcycle (9645)	2015		14243	Good

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
BOD incubator, Laminarflow, autoclave	2013	2,35,501/-	Good but not running *	ICAR
Microscope (Simple)	2014	10,000/-	Good	#
b. Farm machinery				
c. AV Aids				
PA System, Codeless Mike, Projector Screen and accessories	2013	56,396/-	Good	#

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Cultivator – R 9 tyne	2009	16120.00	Good	ICAR
Cultivator – S 9 tyne	2009	18720.00	Good	ICAR
M.B. Plough – 1	2009	21320.00	Good	ICAR
Land Leveler – 1	2009	13000.00	Good	ICAR
Cage Wheel – 1 Pair	2009	9048.00	Good	ICAR
Hood Hitch Bumper	2009	17160.00	Good	ICAR
Spade – 04	2009	540.00	Good	ICAR
Hand Balance – 1 Set	2009	364.00	Good	ICAR
Kriloskar Pumping set- 7 HP	2011	36750.00	Good	R/F
Gator Sprayer - 01	2011	3800.00	Good	R/F
Multi Crop Thresher	2012	99750.00	Good	RKVY
ZT Seed Drill – 9 tyne	2011	39480.00	Good	RKVY
Tractor Drawn Reaper	2011	57750.00	Good	RKVY
Sprinkler irrigation set	2012	55000.00	Good	RKVY
Battery operated sprayer – 01	2014	3900.00	Good	R/F
Multi Crop Planter	2021-22		Good	CRA Project, GoB
Threshers	2021-22		Good	CRA Project, GoB
Portable Rice/Wheat Seeder	2021-22		Good	CRA Project, GoB
Tractor Trolley	2021-22		Good	CRA Project, GoB
Laser Land Leveler	2021-22		Good	CRA Project, GoB
Raised Bed Planter	2021-22		Good	CRA Project, GoB
New Holland 6500 2WD Super Tractor	2021-22		Good	CRA Project, GoB
Zero tillage	2021-22		Good	CRA Project, GoB
Tractor mounted sprayer	2021-22		Good	CRA Project, GoB
Happy Seeder	2021-22		Good	CRA Project, GoB
Weeder	2021-22		Good	CRA Project, GoB
Rotary Hay Rake	2021-22		Good	CRA Project, GoB

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.	18-08-22	26	वर्तमान वर्ष के अग्रिम पंक्ति प्रत्यक्षण कार्यक्रम में मल्टी तकनीक को शामिल किया जाय। कृषि विज्ञान केन्द्र, के मौसम अनुकूल कृषि (सी0आर0ए0) कार्यक्रम में नवनियुक्त कृषि अभियंत्रण विषय के शोध सहयोगी (आर0ए0) का केन्द्र द्वारा कृषि	इस वर्ष की कार्य योजना में शामिल कर लिया जाएगा। ऑनलाइन माध्यम से कृषि अभियंत्रण से संबंधित कृषक प्रशिक्षण कराया गया	

		यांत्रिकरण सम्बन्धित कृषक प्रशिक्षण में भागीदारी सुनिश्चित किया जाय।	जिसमें 20 कृषकों ने भाग लिया।
		फसल अवशेष प्रबंधन हेतु सी0आर0ए0 गाँव में मशरूम उत्पादन को शामिल किया जाय।	फसल अवशेष प्रबंधन हेतु सी0आर0ए0 गाँव में मशरूम उत्पादन विषय पर 5 प्रशिक्षण कराया गया है।
		हरा चारा आधारित फसल पद्धति को सी0आर0ए0 कार्यक्रम में अवश्यकतानुसार शामिल किया जाय।	इस वर्ष शामिल कर लिया जाएगा।
		प्रत्येक प्रखण्ड से 280 किसानों को सी0आर0ए0 कार्यक्रम के 5 प्रत्यक्ष गांवों में प्रक्षेत्र भ्रमण कराया जाय, जिसकी पूर्व अनुसूची जिला कृषि पदाधिकारी को भी भेजी जाय।	रबी 2021-22 में सी0आर0ए0 कार्यक्रम के प्रत्यक्ष गांवों में 5 प्रखंडों के 500 कृषकों का प्रक्षेत्र भ्रमण कराया गया है।
		वर्तमान अगस्त और सितम्बर माह का प्रशिक्षण, कार्य योजना बनाकर क्रियान्वित करें।	प्रशिक्षण कार्यक्रम कार्य योजनानुसार सम्पन्न किया जा रहा है।
		गेंहूँ के बायोफोर्टिफाइड प्रभेद को कृषि विज्ञान केन्द्र के कार्यक्रमों में शामिल करें।	रबी 2021-22 में 240Kg (6 एकड़) बायो-फोर्टिफाइड प्रभेद का प्रत्यक्षण कराया गया है।
		मशरूम उत्पादन विषय के प्रशिक्षणार्थियों की संख्या बढ़ायी जाय।	अगस्त 2021 से जुलाई 2022 तक मशरूम उत्पादन विषय पर कुल 14 प्रशिक्षण में 395 प्रशिक्षणार्थियों की भागीदारी रही।
		कृषि विज्ञान केन्द्र पर नारी (NARI) योजना के अन्तर्गत एक पोषण वाटिका का निर्माण किया जाय, साथ ही अन्य प्रदर्शन यूनिट, आँगनवाड़ी/कृषक प्रक्षेत्र पर लगायी जाय। इस कार्यक्रम को गृह विज्ञान तथा उद्यान विज्ञान के विशेषज्ञ सामूहिक रूप से करेंगे।	नारी (NARI) योजना अंतर्गत केन्द्र पर एक तथा 5 आँगनवाड़ी केंद्रों पर पोषण वाटिका का निर्माण कराया गया है।

* 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 (2022)

Sl. No.	Items	Information
1	Major Farming system/enterprise	
2	Agro-climatic Zone	
3	Agro ecological situation	
4	Soil type	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

2.a.1 Major farming systems/enterprises (based on the analysis made by the KVK Arwal)

S. No	Farming system/enterprise	Information
1	Cereal based farming system	Rice/Wheat
2	Pulses based farming system	Black gram/pigeon pea / chick pea
3	Oilseed based farming system	Mustard, Toriya
4	Agri. Hort. based farming system	Vegetables, tuber crops, spices
5	Livestock Rearing	Cattle, Buffalo, Goat, Poultry, Sheep

2.a.2 Description of Agro-climatic Zone & major agro ecological situations (based on soil and topography)

S. No	Agro-climatic Zone	Characteristics
1	Zone IIIB	I) South Bihar alluvial plane zone II) Sub tropical climate, III) Rain-fall- 961.7mm June-Sept- 958.2, Oct-Nov.- 0.0 Dec- Feb- 3.5, March- May 0.0 IV) Mean max. temp. – 21.3-39.1 °C V) Mean min. temp. – 4.0 - 28.3 °C VI) Relative humidity – 7am – 66%, 2pm – 51%

2.a.3 Agro ecological situation

S. No	Agro ecological situation	Characteristics
1	Upland	<ul style="list-style-type: none"> Sandy to sandy loam textured soil. Maize, sugar cane, pigeon pea, black gram, vegetables, potato, mustard etc. Dominance of maize and vegetables.
2	Medium land	<ul style="list-style-type: none"> Sandy loam to heavy clays soil Cereals, sugarcane, oil seeds, pulses, Vegetables Rice-Wheat production system.
3	Lowland	<ul style="list-style-type: none"> Low lying areas heavy clays soil. Growing of long duration paddy. Suitable for paddy and late sown wheat cultivation Water logging problem.

2.a.4 Soil types

S. No	Soil type	Characteristics	Area in ha
1.	Old Alluvium, grayish yellow to grey in colour, sandy loam to heavy textured.	P ^H – 6.5-8.0 Organic carbon – 0.5-1.0 % Available N – 200-400 Kg/ha Available P ₂ O ₅ –10-50 Kg/ha Available K ₂ O – 150-300 Kg/ha Deficient in Zn & B	

2.a.5 Area, Production and Productivity of Major crops in Arwal district (Year 2021-22)

Sl No.	Crop	Area (ha)	Production (MT)	Productivity (kg/ha)
01	Paddy	17349	66290	3821
02	Wheat	9099	25250	2775
03	Lentil	2114	2055	972
04	Maize	66	226	3424
05	Gram	828	898	1085
06	Mustard	241	254	1054

Source: Website of Agriculture Department, GoB

2.b. Details of operational area / villages (2021)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & Enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.		Karpi	Kayal	Dairy farming Goatry	Lack of knowledge regarding breed, unorganized feeding	Goatry, Dairy
		Kaler	Amir Bigha	Cereal & Veg. cropping	Low productivity of crop, fruit and vegetables	Crop production and organic farming, quality seed production,
		Arwal	Muradpur Huzra	Pulses and vegetables	routine cropping imbalanced use of nutrients in crop production	adoption of INM and IPM, vermi-composting,
		Kaler	Nawada	Orchards	lack of quality seeds	income generation Productivity
		Kaler	Sohsa	Cereal & Veg. cropping	Poor health and status of women and children Unemployment in rural youth	enhancement of animals Poultry production
		Karpi	Radhe Nagar	Cereals cropping		Farm women empowerment

2. c. Details of village adoption programme:

Name of the villages adopted by Sr. Scientist & Head and SMS (in year 2021) for its development and action plan

Name of village	Block	Action taken for development
Mehdiyabad	Kaler	Need based Training and demonstration
Usridih	Kaler	Need based Training and demonstration
Shahar Telpa	Karpi	Need based Training and demonstration
Kharasin	Banshi	Need based Training and demonstration
Akraunja	Banshi	Need based Training and demonstration

2.1 Priority thrust areas

S. No	Thrust area
1.	Productivity enhancement of cereals, oilseeds and pulses
2.	Popularization of quality seed production
3.	Popularization of Zero tillage system.
4.	Adoption of INM and IPM for Sustainable agriculture
5.	Management of weeds in field crops.
6.	Management of Cuscuta in lentil.
7.	Soil testing
8.	Popularization of organic farming.
9.	Farm women empowerment in agriculture
10.	Income generation through beekeeping, mushroom cultivation and preservation of fruits and vegetables,
11.	Popularization of techniques resource conservation technology (RCT)and pressurized irrigation system (PIS)
12.	Enhancement of milk production through proper management of milch animals
13.	Economic enhancement by Poultry farming and Goatry in semi-intensive system.

3. TECHNICAL ACHIEVEMENTS

3.1. Summary details of target and achievement of mandatory activities by KVK during the year 2022

OFT											FLD (including 2020-21 & 2021-22 results)												
No. of technologies tested:											No. of technologies demonstrated:												
Number of OFTs		Number of farmers									Number of FLDs			Number of farmers									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
10	12	80	21	6	0	0	73	12	94	18	112	10	15	500	85	258	0	0	135	274	220	532	752

Training											Extension activities												
Number of Courses		Number of Participants									Number of activities			Number of participants									
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement								
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
125	132	3125	248	747	0	0	1896	824	2144	1571	3715	4782	7207	6994	491	979	0	0	9695	3152	10186	4131	14317

Impact of capacity building											Impact of Extension activities												
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended			Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total				
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T		
		-	-	-	-	-	-	-	-	-			-	-	-	-	-	-	-	-	-	-	-

Seed production (q)					Planting material (in Lakh)				
Target		Achievement			Target		Achievement		
Kharif 2022		214.53 q			-		0.26695		

Livestock strains and fish fingerlings produced (in lakh) *					Soil, water, plant, manures samples tested (in lakh)				
Target		Achievement			Target		Achievement		
-		-			-		-		

* 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							
Seminar/conference/ symposia papers							
Books							
Bulletins							
News letter							
Popular Articles	6	6000	-	-	-	-	-
Book Chapter							
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL							

3.1.1 Achievements on technologies assessed and refined

Subject: Vet. Sc. & A. H.**OFT – 1 of F.Y. 2020-21****Discipline: Animal Science**

Sl.	Particulars	Description
1	Title of On Farm Trial	Management of Anoestrus cases in cattle.
2	Problem Diagnose	Heavy lose due to Anoestrus in cattle.
3	Details of Technologies selected for assessment/refinement	Control - Farmers' practice (Feeding with germinated wheat) T.O. I – Deworming + Mineral Mixtures@50gm for 30 days T.O. II – Deworming + Combination of Minerals, Vitamins, Natural heat inducer and Phytobiotics preparation for 21 days
4	Source of Technology	MAFSU, Maharashtra
5	Replication	10
6	Production System & Thematic Area	Farmstead, Disease Management
7	Performance of Technology with performance indicator	1) No. of animals come in heat, 2) Nature of discharge, 3) Conception Rate

Table:

Technology Options	No. of Animals trial	No. of animals come in heat	Nature of heat	No. of animals conceived
Control - Farmers' practice (Feeding with germinated wheat)	10	5	Not Clear	2
T.O. I – Deworming + Mineral Mixtures@50gm for 30 days		6	Not Clear	3
T.O. II – Deworming + Combination of Minerals, Vitamins, Natural heat inducer and Phytobiotics preparation for 21 days		9	Clear	6

Results: T.O. II i.e., Deworming + Combination of Minerals, Vitamins, Natural heat inducer and Phytobiotics resulted in highest no. of animal come in heat with clear heat symptoms compared to T.O.I and farmers' practice.

Subject: Vet. Sc. & A. H.

OFT 2 of F.Y. 2020-21

Discipline: Animal Science

SI.	Particulars	Descriptions
2	Title of the OFT	Assessment of traditional herbs to improve immunity against common diseases in backyard chicken.
4	Problem diagnosed	Mortality of backyard chicken
5	Details of Technologies selected for assessment/refinement	Control -Farmers' practice: Scavenging without any feed supplementation T.O. I –Use of grinded turmeric rhizome (2.5 gm) +01 clove extract (2.5gm) of garlic per litter of water T.O. II –Use of Apple Cidar Vinegar @ 5ml/litter of water
6	Source of Technology	LUVAS, Haryana
	No of Replications	10
7	Production system & Thematic Area	Backyard system, Poultry Management
8	Performance indicators	Disease occurrence, Ectoparasitic infestation, Mortality and egg production.

Table:

Technology Options	No. of birds	Disease occurrence	Ectoparasitic infestation	Mortality (%)	Egg production
Control - Farmers' practice (Scavenging without any feed supplementation)	100	22	Yes	20	19.85
T. O. I – Use of grinded turmeric rhizome (2.5 gm)+01 clove extract (2.5gm) of garlic per litter of water	100	5	No	3	21.20
T. O. II – Use of Apple Cidar Vinegar @ 5ml/litter of water	100	6	No	5	21.85

Results: Use of traditional herbs grinded turmeric rhizome (2.5 gm) +01 clove extract (2.5gm) of garlic per litter of water and apple cidar vinegar @ 5ml/litter of water are effective in prevention and control of Disease occurrence as well as parasitic infestation. Mortality rate in T. O. I and T. O. II was 3 and 5 percent respectively in comparison to 20 percent in control. There was increase in egg production during with the application of traditional herbs in both the trails. It may be due to improve gut environment, feed conversion efficiency, absence of ectoparasitic infection and reduction in stress.

Subject: Agronomy

OFT: 03 of F.Y. 2021-22

Discipline: Crop Production

Sl.	Particulars	Description
1	Title of On Farm Trial	To assess the performance of inoculation of Rhizobium and PSB for yield enhancement of lentil.
2	Problem Diagnose	Poor growth of crop leading to low yield of lentil.
3	Details of Technologies selected for assessment/refinement	Control – Farmers' Practice:(10:20:0 Kg :: N:P ₂ O ₅ :K ₂ O/ha - P ₂ O ₅ by SSP) T.O. I – 100% of RDF (20:40:0 Kg :: N:P ₂ O ₅ :K ₂ O /ha - P ₂ O ₅ by SSP) T.O. II – 80% of RDF (N:P ₂ O ₅ :K ₂ O Kg/ha - P ₂ O ₅ by SSP) + PSB + Rhizobium as seed treatment @750ml/ha of each.
4	Source of Technology	HAU, Hisar
5	Replication	08
6	Production System & Thematic Area	SPS, Nutrient Management
7	Performance of Technology with performance indicator	Yield attributing characters, yield and economics and B:C ratio.

Result:

Technology Options	No. of plants/m ²	No. of branches/plant	No. of pods/plant	Test wt. (g)	Grain yield (q/ha)
Control – FP	39.50	6.8	35.4	19.1	7.15
T.O. I	53.31	8.5	46.2	19.7	9.53
T.O. II	53.89	8.6	46.4	19.9	9.86

Technology Options	Grain yield (q/ha)	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Control – FP	7.15	24675	41845	17170	1.69
T.O. I	9.53	26328	56259	29931	2.14
T.O. II	9.86	26794	57810	31016	2.16

Subject: Agronomy

OFT: 04 of F.Y. 2021-22

Discipline: Crop Production

Sl.	Particulars	Description
1	Title of On Farm Trial	To assess the performance of different herbicides for weed management of wheat.
2	Problem Diagnose	Commonly used herbicides adversely affect growth and yield of wheat crop, which is to be replaced by suitable herbicide.
3	Details of Technologies selected for assessment/refinement	Control – Farmers' practice – No weed control T.O. I – Spray of Sulfosulfuron 75% + Metsulfuron methyl 5% (WG) @40g/ha (30-35 DAS) T.O. II – Spray of Clodinafop propargyl (15 WP) @ 400g/ha (30-35 DAS)
4	Source of Technology	HAU, Hisar
5	Replication	10
6	Production System & Thematic Area	SPS, Weed Management
7	Performance of Technology with performance indicator	Weed count/m ² , yield attributing characters, yield, economics and B:C ratio.

Result:

Technology Options	Weed count/m ² (60 DAS)	Extent of damage (%)	No. of tillers/m ² at harvest	No. of grains/ear head	Test wt. (g)
Control – FP	16.9	-	275	34.10	35.41
T.O. I	4.7	4.8	332	40.72	40.60
T.O. II	5.2	-	330	40.29	40.82

Technology Options	Grain yield (q/ha)	Cost of cultivation (Rs/ha)	Gross Return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
Control – FP	32.50	37780	67292	29512	1.78
T.O. I	38.83	40695	84098	43403	2.06
T.O. II	38.98	40190	84581	44391	2.10

Subject: Vet. Sc. & A. H.

OFT 05 of F.Y. 2021-22

Discipline: Animal Science

SI.	Particulars	Descriptions
1	Title of the OFT	Effect of supplementation of Shatavari (<i>Asparagus recemosus</i>) on production performance of lactating bovines.
2	Problem diagnosed	Low milk production
3	Details of Technologies selected for assessment/refinement	Control - Farmers' practice: Normal feeding with available resource T.O. I – 50 gm mineral mixture per day for 60 days T.O. II – 50 gm mineral mixture + 50 gm Shatavari per day for 60 days
4	Source of Technology	Guru Angad Dev Veterinary and Animal Sciences University, Ludhiana, Punjab, India
5	No of Replications	10
6	Production system & Thematic Area	Farm stead, Dairy Management
7	Performance indicators	Milk Production & Economics

Table:

Tech. Options	No. Of Animals	Avg. Milk Production (Lit/day)	% Increase in Milk Prod.	Gross Income (Rs./day)	Net Income (Rs./day)	B:C Ratio
Control - Farmers' practice: Normal feeding with available resource	10	10.10	-	400.40	136.90	1.52
T.O. I – 50 gm mineral mixture per day for 60 days	10	10.55	4.45	422.00	156.0	1.58
T.O. II – 50 gm mineral mixture + 50 gm Shatavari per day for 60 days	10	11.35	12.37	454.00	175.0	1.68

Result: Satavari feeding increased the average milk production in dairy cattle by 12.37% during the trial period. Average milk production per day in Control, T.O.I and T.O. II were 10.10, 10.55 and 11.35 Lit. respectively. By taking in account the expenditure on feeding of Satavari and Mineral Mixture the cost benefit ratio of the Control, T.O.I and T.O.II were 1.52, 1.58 and 1.68. The higher milk production in T.O.II may be due to lactogenic properties of Satavari that improved the milk production and economic for feeding to dairy cattle.

Subject: Vet. Sc. & A. H.

OFT 06 of F.Y. 2021-22

Discipline: Animal Science

SI.	Particulars	Descriptions
1	Title of the OFT	Assessment of traditional herbs to improve immunity against common diseases in backyard chicken.
2	Problem diagnosed	Mortality of backyard chicken
3	Details of Technologies selected for assessment/refinement	Control - Farmers' practice: Scavenging without any feed supplementation T.O. I – Use of grinded turmeric rhizome (2.5 g) + 01 clove extract (2.5g) of garlic per litter of water T.O. II – Use of Apple Cidar Vinegar @ 5ml/litter of water
4	Source of Technology	LUVAS, Haryana
5	No of Replications	10
6	Production system & Thematic Area	Backyard system, Poultry management
7	Performance indicators	Disease occurrence, Growth, Mortality and egg production.

Table:

Tech. Options	No. of Birds	Disease occurrence (n)	Ectoparasitic infestation	Mortality (%)	Egg Production
Control - Farmers' practice: Scavenging without any feed supplementation	100	18	Yes	15	19.20
T.O. I – Use of grinded turmeric rhizome (2.5g) + 01 clove extract (2.5g) of garlic per litter of water	100	07	No	04	22.45
T.O. II – Use of Apple Cidar Vinegar @ 5ml/litter of water	100	06	No	04	22.90

Result: Use of traditional herbs grinded turmeric rhizome (2.5g) + 1 clove extract (2.5g) of garlic per litre of water and Apple cidar vinegar @5ml/lit. of water were effective in prevention and control of disease occurrence as well as parasitic infestation. Mortality rate in T.O.I and T.O.II was 4% in each in comparison to 15% in Control. There was increase in egg production during the trial period with the application of traditional herbs in both technological options. It may be due improve gut environment, feed conversion efficiency, absence of ectoparasitic infestation and reduction in stress.

Subject: Plant Pathology

OFT: 07 of F.Y. 2022-23

Discipline: Plant Pathology

Sl.	Particulars	Description
1	Title of On Farm Trial	Assessment of efficacy of various fungicides in management of Sheath blight of Rice.
2	Problem Diagnose	Heavy loss in yield of Rice due to sheath blight incidence.
3	Details of Technologies selected for assessment/refinement	Farmers' Practice – No fungicide spray T.O. I – Two sprays of validamycin 3% L@ 2 lit./ha. T.O. II – Two sprays of Propiconazole 25EC @500ml/ha T.O. III – Two sprays of Propiconazole 13.9% + Difenoconazole 13.9% EC @500ml/ha
4	Source of Technology	RAU, Pusa
5	Replication	07
6	Production System & Thematic Area	Rice-Wheat/Chickpea, IDM
7	Performance of Technology with performance indicator	1) Disease intensity percent, 2) Yield, 3) Net return, 4) B:C ratio

Table:

Technology option	No. of trials	Yield component			Disease severity (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of grain per panicle	Test wt. (1000 grain wt.)						
Farmers' Practice	7	32.20	240.50	19.56	65.67	49.33	62640	105633	42993	1.686
T.O. I		38.21	258.30	23.67	18.84	58.71	65510	125176	59666	1.910
T.O. II		37.54	256.50	23.30	19.48	58.16	65290	123646	58356	1.893
T.O. III		41.56	261.70	24.60	15.36	64.30	67070	136172	69102	2.030

Subject: Home Science

OFT: 08 of F.Y. 2022-23

Discipline: Home Science

1.	Title of On farm Trial	Assessment of impact of ready to use infant food on anthropometric parameters of mal-nutriched children (6 months to 2 years)
2.	Problem diagnosed	Lack of dietary knowledge which meets poor choice of food leads to poor health of children.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers' Practice –Normal homemade food (the children are not being provided nutrient rich food. No ready to eat food is being practiced by majority of children) T.O.I –Standard ingredients: Ragi (85:15) Standard ingredients: Peanut:20g+Sugar:30g+Milk Powder: 25g + Ghee:10g + Ragi: 15g T.O.II –Standard ingredients: Wheat (85:15) Standard ingredients: Peanut:20g + Sugar:30g + Milk Powder: 25g + Ghee:10g + Wheat :15g
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	By Usha Singh, DRPCA, Pusa, Samastipur
5.	Production system and thematic area	Farm instead, Mother and child care
6.	Performance of the Technology with performance indicators	Sensory analysis Taste Texture (crispness) Colour Flavour Facial appearance Overall acceptability 1) Body weight at monthly interval 2) Height at monthly interval 3) Stomach discomfort if noticed.
7.	Replication	10
8.	Final recommendation for micro level situation	-
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Participatory

Thematic area: Mother and child care

Problem definition: Lack of dietary knowledge which meets poor choice of food leads to poor health of children.

Technology assessed:

Farmers' Practice –Normal homemade food (the children are not being provided nutrient rich food. No ready to eat food is being practiced by majority of children)

T.O.I –Standard ingredients: Ragi (85:15)

T.O.II –Standard ingredients: Wheat (85:15)

Standard ingredients: The ready to use infant food mixes were developed by using different cereals/millet, for this a standard combination of peanut: sugar: milk powder and ghee had been made in ratio of 2:3:2.5:1

The food mixes from cereals/milletts had been developed by taking the standard combination and processed cereals/milletts powder in the ratio of 85:15

Data on performance indicator of technology for 6 to 24 months children:

Table: -1

Technology Option	No. of replication	Change in Anthropometric measurements in selected children (weight and height)						
		Avg. Age	Initial wt. (kg) (Avg)	Wt. after 4 Months (Avg)	% Increased (Avg)	Initial height (cm) (Avg)	Height after 4Months (cm) (Avg)	% Increased in Height (Avg)
Farmers' Practice	10	6 to 24 months	8.82	9.47	7.37	76.30	79.45	4.13
T.O. I			8.39	9.35	11.44	74.40	79.75	7.19
T.O. II			8.60	9.45	9.88	74.15	78.95	6.47

Table: -2

Technology Option	No. of Replications	age	Sensory analysis					Overall acceptability
			Taste	Texture	Colour	Flavour	Facial appearance	
Farmers' Practice	10	6 to 24 months	7.5	7	6.5	8.5	7	7.30
T.O. I			8.9	9.4	8.5	10	9.9	9.34
T.O. II			8.8	8.9	9	9	9.4	9.2

Table: -3

Technology Option	No of Replication	Frequency of feeding of ready to use infant food (in no.)
T.O.I	10	2 times /day
T.O.II		2 times /day

Table: -4

Technology Option	No of Replication	Adoption of ready to use infant food variety in food practices in (kg/day)
T.O.I	10	0.033kg

Result:

On Farm Trial was conducted on the topic “**Assessment of impact of ready to use infant food on anthropometric parameters of mal-nutrited children (6 months to 2 years)**” during the year 2022-23 with two treatment and 10 replications. In trial, we found that ready to use infant food prepared by Standard ingredients (85g) and Ragi (15g) in which *Standard ingredients* are prepare from Peanut (roasted & grinded): 20g + Sugar (grinded):30g + Milk powder: 25g+ Ghee-10g and Ragi (malted roasted and grinded)-15g is more nutritive and acceptable by the children because of its Sensory and Anthropometric properties.

No Stomach discomfort notice in any children. Change in processing practices: Malting and Roasting the millets (Ragi) with Standard ingredients for ready to use infant food was Adopted.

Subject: Agronomy

OFT: 09 of F.Y. 2022-23

Discipline: Crop Production

Sl.	Particulars	Description
1	Title of On Farm Trial	Assessment of efficacy of <i>Nano urea</i> in conjunction with inorganic NPK fertilizers, on the yield and economics of timely sown wheat.
2	Problem Diagnose	Reduction in soil organic carbon status of soil leading to adverse effect on soil health and ultimately unsustainable wheat yield.
3	Details of Technologies selected for assessment/refinement	Control – Farmers’ practice – RDF (150:60:40::N:P₂O₅:K₂O Kg/ha) T.O. I – 50% RDN + 100% P₂O₅ & K₂O each + 1 Spray of <i>Nano Urea</i> (4ml/L water) at 35DAS T.O. II – 50% RDN + 100% P₂O₅ & K₂O each + 2 Sprays of <i>Nano urea</i> (4ml/L water) at tillering (35DAS) and before flowering (55DAS)
4	Source of Technology	OFT finalization workshop at BAU Sabour (1 st to 3 rd Sep. 2022)
5	Replication	10
6	Production System & Thematic Area	SPS, ICM
7	Performance of Technology with performance indicator	No. of effective tillers/m ² , No. of filled grains/panicle, Panicle weight, Test weight, Grain yield, Straw yield, Economics and B:C ratio.

Result: Continue

Subject: Agronomy

OFT 10 of F.Y. 2022-23

Discipline: Crop Production

Sl.	Particulars	Description
1	Title of On Farm Trial	Integration of fertilizer in different form on yield of lentil.
2	Problem Diagnose	Injudicious use of chemical fertilizer
3	Details of Technologies selected for assessment/refinement	Control – Farmers’ practice – Seed Treatment + RDF T.O. I – 50% of RDF +WS 18:18:18 @5 gm./ltr water (Single spray at pre flowering stage) T.O. II – Seed treatment with PSB + Rhizobium, 50% of RDF + WS 18:18:18 @5 gm. /ltr water (Single spray at pre flowering stage)
4	Source of Technology	OFT finalization workshop at BAU Sabour (1 st to 3 rd Sep. 2022)
5	Replication	10
6	Production System & Thematic Area	SPS, INM
7	Performance of Technology with performance indicator	Plot size (10x10 m ²)/ in each tech option line sowing, soil data before and after (pH, EC, OC, NPK,), Grain Yield, No. of Plant/m,1000 grain wt., No of pod /plant, strover yield and Economics

Result: Crop standing

Subject: Plant Pathology

OFT: 11 of F.Y. 2022-23

Discipline: Plant Pathology

Sl.	Particulars	Description
1	Title of On Farm Trial	Ecofriendly management of fruit borer (<i>Helicoverpa armigera</i>) in tomato
2	Problem Diagnose	Heavy loss in yield of tomato due to fruit borer infestation.
3	Details of Technologies selected for assessment/refinement	Control - Farmers' Practice – Use of Propanophos 50EC T.O. I: Installation of pheromone trap @10 trap/ha. T.O. II: Installation of pheromone trap @10 trap/ha. + Spraying of Azadirachtin 1500 PPM@5ml/Lit. T.O. III: Installation of pheromone trap @10 trap/ha. + Spraying of NPV @250 LE/ha in 500 lit. of water
4	Source of Technology	G. B. P. U. of A. & T., Pantnagar
5	Replication	07
6	Production System & Thematic Area	Rice-lentil-vegetable, IPM
7	Performance of Technology with performance indicator	1) Fruit damage percent, 2) Yield, 3) Net return, 4) B:C ratio

Result: Continue

Subject: Horticulture

OFT: 12 of F.Y. 2022-23

Discipline: Horticulture

Sl.	Particulars	Description
1	Title of On Farm Trial	Response of Micronutrients on yield and economics of Onion.
2	Problem Diagnose	Farmer cultivates onion in large area for better price from a unit area and sale in distinct market for higher price. Farmer use macro nutrients only but fetch lower marketability which is due to little/no application of micro nutrients.
3	Details of Technologies selected for assessment/refinement	Control – Farmers Practice (RDF) T.O. I – RDF (120:100:60) + Boron@10kg/ha T.O. II – RDF (120:100:60) + sulfur@20kg/ha T.O. III – RDF (120:100:60) + sulfur@20kg/ha + Boron@10kg/ha
4	Source of Technology	BAU, Sabour
5	Replication	10
6	Production System & Thematic Area	Onion, INM
7	Performance of Technology with performance indicator	1) Plant height (cm), 2) No. of leaves, 3) Diameter of bulb (mm), 4) Yield of bulb (q/ha), 5) Splitting of bulb, 6) % increase in yield and 7) keeping quality

Result: Continue

3.1.2 Technology Assessed by KVK (Discipline wise)

Technologies assessed under various crops by KVKs (Crop Production)				
	Thematic areas	Number of the technologies (Technology Interventions)	No. of trials	No. of Locations
1	Integrated Nutrient Management	7	3	6
2	Varietal Evaluation			
3	Integrated Pest Management	3	1	2
4	Integrated Crop Management	2	1	2
5	Integrated Disease Management	3	1	2
6	Small Scale Income Generation Enterprises			
7	Weed Management	2	1	2
8	Resource Conservation Technology			
9	Farm Machineries			
10	Integrated Farming System			
11	Seed / Plant production			
12	Post Harvest Technology / Value addition			
13	Drudgery Reduction			
14	Storage Technique			
15	Others (Pl. specify)			
16	Cropping Systems			
17	Farm Mechanization			
18	Others			
	Total	17	7	14
Technologies assessed under livestock by KVKs				
	Thematic areas	No. of technologies (Technology Interventions)	No. of trials	No. of locations
1	Disease Management	2	1	2
2	Evaluation of Breeds			
3	Feed and Fodder management			
4	Nutrition Management			
5	Production and Management			

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

3.2 Achievements of Frontline Demonstrations during 2022

A. Details of FLDs conducted during the year 2022

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1	Paddy			7	7										
2	Paddy (SCSP)			21.6	21.6	0	0	0	0	17	0	17	0	17	
3	Pulse (SCSP)			4	4									54	
4	Chickpea (CFLD)			20	20									27	
5	Lentil (CFLD)			20	20	0	0	0	0	65	0	65	0	65	
6	Lobia			1	1									20	
7	Broccoli			1	1									20	
8	Mushroom			50 (2 Kg each)	50 (2 Kg each)	3	0	0	0	60	5	60	0	60	
9	Kitchen Garden			100 (200 sq. m.)	100 (200 sq. m.)	0	22	0	0	3	75	3	97	100	
10	Mushroom			50	50	1	12	0	0	0	37	01	49	50	
11	Fodder			2	2	2	58	0	0	0	0	02	58	60	

Details of farming situation

Sl. No.	Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)				Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
					N	P ₂ O ₅	K ₂ O	OC					
1.													
2.													
3.													
4.													
5.													

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: NA

Frontline demonstrations on oilseed crops

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

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

** BCR= GROSS RETURN/GROSS COST

Pulses : NA

Frontline demonstration on pulse crops

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

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

** BCR= GROSS RETURN/GROSS COST

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

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Lobia (Kashi Kanchan) FY 2021-22	Crop Production	Seed demo.	20	1.0	78.00	68.00	14.70	48000.00	171600.00	123600.00	3.57	44000.00	147900.00	103900.00	3.36
Broccoli (Fantasy 1) FY 2021-22	Crop Production	Seedling	20	1.0	58500 curd	53100 curd	10.16	221100	775125	554025	3.50	205750	690300	484550	3.35
	Total		40	2.0											

* 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

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Paddy (Var. Sabour Shree) (2022-23)	Crop Production	Seed, seed treating chemicals	17	7.0	59.81	53.17	12.5	41965	128812	86847	3.06	40982	114867	73885	2.80	41965	128812
Paddy (Var. Sabour Shree) (SCSP 2022-23)	Crop Production	Seed, seed treating chemicals	54	21.4	59.7	53.0	12.6	42545	128420	85875	3.0	41550	114260	72710	2.75	42545	128420
Lentil (HUL-57) (SCSP 2022-23)	Crop Production	Seed, seed treating chemicals	27	4.0	Crop Standing												
	Total		98	32.4													

* 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

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)				
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR	
Common carps																		
Mussels																		
Ornamental fishes																		
Others (pl. specify)																		
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

Category	Name of the technology demonstrated	No. of Farmer	No. of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom (2021-22)	Enterprise development	100	100 (2 kg spawn with full package)	16 bags	12 bags	33.33	-	-	475	2400	1925	5.05	520	1800	1280	3.46
Oyster mushroom (2022-23)	Enterprise development	50	50 (2 kg spawn with full package each)	20 bags per unit	14 bags	42.86	-	-	550	2500	1950	4.55	500	1425	925	3.05
Oyster mushroom (SC-SP, 2022-23)	Enterprise development	60	60 (2 kg spawn with full package)	Crop Standing												
Button mushroom																
Vermicompost																
Sericulture																
Apiculture																
Kitchen Garden (Veg. Seeds Kit) (2021-22)	Nutrition Management	100	100 [200 sq.m (each)]	250 Kg	210 Kg	19.05	-	-	1250	4800	3550	3.84	1360	3500	2140	2.57
Kitchen Garden (Veg. Seeds Kit) (2022-23)	Nutrition Management	100	100 [200 sq.m (each)]	Crop Standing												
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

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					

Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)					
					Demonstration	Check											

* 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 machineries					
Total					
Intercultural operation tools and machineries					
Total					
Irrigation management tools and machineries					
Total					
Plant protection tools and machineries					
Total					
Harvesting tools and machineries					
Total					
Postharvest processing tools and machineries					
Total					

Total mechanization tools and machineries					
Total					
Others					
Total					
Grand Total					

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days				
2.	Farmers Training				
3.	Media coverage				
4.	Training for extension functionaries				

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 name	Existing yield (q/ha) 7 years	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Chick Pea (FY 2021-22)	Local variety (Small seed size)	7.07	786	980	1600	RVG-203	34	10	14.2	7.1	9.62			
2.	Lentil (FY 2021-22)	Local variety (Small seed size)	6.75	890	932	1400-1500	IPL-316 + Bio-fertilizer + Weedicide + Sulfur	70	20	10.3	6.2	7.93			
3.	Chick Pea (FY 2022-23)	Local variety (Small seed size)	7.07	786	980	1800-2000	RVG-202	69	20	Crop Standing					
4.	Lentil (FY 2022-23)	Local variety (Small seed size)	6.75	890	932	1400-1800	IPL-220 + Bio-fertilizer + Weedicide + Sulfur	68	20	Crop Standing					

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1	Chick Pea RVG-203 (FY 2021-22)	23084	40271	19057	1.74	27180	50312	23132	1.85
2	Lentil IPL-316 + Bio-fertilizer + Weedicide + Sulfur (FY 2021-22)	20140	34425	14285	1.70	22220	49062	26842	2.20

C. Socio-economic impact parameters 2022

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Chick Pea RVG-203							
2.	Lentil IPL-316							

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

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field day	27-03-2021	11

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

Chick Pea (2021-22)



Lentil (2021-22)



H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field Day)			
	iv)Publication of literature			
	Total			

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Mobilization of social capital	0	0	0	0	0	0	0	0	0	0	0	0	0
Entrepreneurial development of farmers/youths	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
XI Agro-forestry													
Production technologies	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Farming Systems	0	0	0	0	0	0	0	0	0	0	0	0	0
XII. Others (Pl. Specify)	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	36	555	165	720	106	207	313	0	0	0	661	372	1033

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	1	0	0	0	0	31	31	0	0	0	0	31	31
Bee-keeping	1	14	13	27	6	3	9	0	0	0	20	16	36
Integrated farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Seed production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Sericulture	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation of vegetable crops	1	17	0	17	4	0	4	0	0	0	21	0	21
Commercial fruit production	1	9	2	11	3	16	19	0	0	0	12	18	30
Repair and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Nursery Management of Horticulture crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Training and pruning of orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	3	0	41	41	0	43	43	0	0	0	0	84	84
Production of quality animal products	1	5	25	30	0	10	10	0	0	0	5	35	40

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Dairying	2	49	21	70	0	10	10	0	0	0	49	31	80
Sheep and goat rearing	1	22	12	34	0	6	6	0	0	0	22	18	40
Quail farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry production	1	35	0	35	5	0	5	0	0	0	40	0	40
Ornamental fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Para vets	0	0	0	0	0	0	0	0	0	0	0	0	0
Para extension workers	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Freshwater prawn culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Cold water fisheries	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish harvest and processing technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Small scale processing	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
Tailoring and Stitching	0	0	0	0	0	0	0	0	0	0	0	0	0
Rural Crafts	1	0	18	18	0	12	12	0	0	0	0	30	30
Enterprise development	0	0	0	0	0	0	0	0	0	0	0	0	0
Others if any	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	13	151	132	283	18	131	149	0	0	0	169	263	432

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
Productivity enhancement in field crops	4	109	25	134	6	2	8	0	0	0	115	27	142
Integrated Pest Management	1	61	4	65	3	0	3	0	0	0	64	4	68
Integrated Nutrient management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rejuvenation of old orchards	0	0	0	0	0	0	0	0	0	0	0	0	0
Value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Protected cultivation technology	2	0	45	45	0	3	3	0	0	0	0	48	48
Formation and Management of SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Group Dynamics and farmers organization	0	0	0	0	0	0	0	0	0	0	0	0	0
Information networking among farmers	0	0	0	0	0	0	0	0	0	0	0	0	0
Capacity building for ICT application	0	0	0	0	0	0	0	0	0	0	0	0	0
Care and maintenance of farm machinery and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
WTO and IPR issues	0	0	0	0	0	0	0	0	0	0	0	0	0
Management in farm animals	0	0	0	0	0	0	0	0	0	0	0	0	0
Livestock feed and fodder production	0	0	0	0	0	0	0	0	0	0	0	0	0
Household food security	1	0	18	18	0	5	5	0	0	0	0	23	23
Women and Child care	0	0	0	0	0	0	0	0	0	0	0	0	0
Low cost and nutrient efficient diet designing	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Gender mainstreaming through SHGs	0	0	0	0	0	0	0	0	0	0	0	0	0
Crop intensification	0	0	0	0	0	0	0	0	0	0	0	0	0
TOTAL	8	170	92	262	9	10	19	0	0	0	179	102	281

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
d) Plantation crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
e) Tuber crops													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
f) Spices													
Production and Management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
g) Medicinal and Aromatic Plants													
Nursery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and management technology	0	0	0	0	0	0	0	0	0	0	0	0	0
Post harvest technology and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
III. Soil Health and Fertility Management													
Soil fertility management	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Conservation	0	0	0	0	0	0	0	0	0	0	0	0	0
Integrated Nutrient Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production and use of organic inputs	0	0	0	0	0	0	0	0	0	0	0	0	0
Management of Problematic soils	0	0	0	0	0	0	0	0	0	0	0	0	0
Micro nutrient deficiency in crops	0	0	0	0	0	0	0	0	0	0	0	0	0
Nutrient Use Efficiency	0	0	0	0	0	0	0	0	0	0	0	0	0
Soil and Water Testing	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IV. Livestock Production and Management													
Dairy Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Poultry Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Piggery Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Rabbit Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Disease Management	0	0	0	0	0	0	0	0	0	0	0	0	0
Feed management	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of quality animal products	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	1	2	0	2	5	13	18	0	0	0	7	13	20
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	11	25	100	125	0	128	128	0	0	0	25	228	253
Design and development of low/minimum cost diet	1	0	32	32	0	6	6	0	0	0	0	38	38

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST			M	F	T
		M	F	T	M	F	T	M	F	T			
VII. Plant Protection													
Integrated Pest Management	8	224	24	248	21	3	24	0	0	0	245	27	272
Integrated Disease Management	11	196	23	219	22	2	24	0	0	0	218	25	243
Bio-control of pests and diseases	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of bio control agents and bio pesticides	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	6	282	0	282	28	0	28	0	0	0	310	0	310
VIII. Fisheries													
Integrated fish farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp breeding and hatchery management	0	0	0	0	0	0	0	0	0	0	0	0	0
Carp fry and fingerling rearing	0	0	0	0	0	0	0	0	0	0	0	0	0
Composite fish culture & fish disease	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond	0	0	0	0	0	0	0	0	0	0	0	0	0
Hatchery management and culture of freshwater prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Breeding and culture of ornamental fishes	0	0	0	0	0	0	0	0	0	0	0	0	0
Portable plastic carp hatchery	0	0	0	0	0	0	0	0	0	0	0	0	0
Pen culture of fish and prawn	0	0	0	0	0	0	0	0	0	0	0	0	0
Shrimp farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Edible oyster farming	0	0	0	0	0	0	0	0	0	0	0	0	0
Pearl culture	0	0	0	0	0	0	0	0	0	0	0	0	0
Fish processing and value addition	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
IX. Production of Inputs at site													
Seed Production	0	0	0	0	0	0	0	0	0	0	0	0	0
Planting material production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-agents production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-pesticides production	0	0	0	0	0	0	0	0	0	0	0	0	0
Bio-fertilizer production	0	0	0	0	0	0	0	0	0	0	0	0	0
Vermi-compost production	0	0	0	0	0	0	0	0	0	0	0	0	0
Organic manures production	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of fry and fingerlings	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Bee-colonies and wax sheets	0	0	0	0	0	0	0	0	0	0	0	0	0
Small tools and implements	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of livestock feed and fodder	0	0	0	0	0	0	0	0	0	0	0	0	0
Production of Fish feed	0	0	0	0	0	0	0	0	0	0	0	0	0
Others, if any	0	0	0	0	0	0	0	0	0	0	0	0	0
X. Capacity Building and Group Dynamics													
Leadership development	0	0	0	0	0	0	0	0	0	0	0	0	0
Group dynamics	0	0	0	0	0	0	0	0	0	0	0	0	0

Fisheries Nutrition										
Fisheries Management										
Other										
Total	5	111	58	169	5	26	31	116	84	200
Home Science										
Household nutritional security										
Economic empowerment of women										
Drudgery reduction of women										
Other (Mushroom Production)	2	51	13	64	4	0	4	55	13	68
Total	2	51	13	64	4	0	4	55	13	68
Agricultural Extension										
Capacity Building and Group Dynamics										
Other										
Total	0	0	0	0	0	0	0	0	0	0
Grant Total	20	614	81	695	57	34	91	671	115	786

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Kisan Mela organized	2	478	233	711	19.18	1	0	1	479	233	712
Kisan Mela participated	1	50	0	50	10.00	0	0	0	50	0	50
Field Day	7	223	1	224	10.06	0	0	0	223	1	224
Kisan Ghosthi	1	22	9	31	0.00	0	0	0	22	9	31
Exhibition organized	1	243	59	302	13.91	0	0	0	243	59	302
Participation in exhibition	0	0	0	0	0.00	0	0	0	0	0	0
Film Show	0	0	0	0	0.00	0	0	0	0	0	0
Method Demonstrations	0	0	0	0	0.00	0	0	0	0	0	0
Farmers Seminar	0	0	0	0	0.00	0	0	0	0	0	0
Workshop	1	50	0	50	12.00	0	0	0	50	0	50
Group discussion	0	0	0	0	0.00	0	0	0	0	0	0
Lectures delivered as resource persons	9	555	226	781	18.55	1	2	3	556	228	784
Advisory Services	2862	2861	358	3219	12.30	0	0	0	2861	358	3219
Scientific visit to farmers field	120	1233	245	1478	14.53	0	3	3	1233	248	1481
Farmers visit to KVK	4154	3865	2352	6217	15.52	0	0	0	3865	2352	6217
Diagnostic visits	14	115	3	118	9.09	0	0	0	115	3	118
Exposure visits	9	579	125	704	6.34	0	0	0	579	125	704
Ex-trainees Sammelan	0	0	0	0	0.00	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0.00	0	0	0	0	0	0
Animal Health Camp	0	0	0	0	0.00	0	0	0	0	0	0
Agri mobile clinic	0	0	0	0	0.00	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0.00	0	0	0	0	0	0
Farm Science Club Conveners meet	0	0	0	0	0.00	0	0	0	0	0	0
Self Help Group Conveners meetings	0	0	0	0	0.00	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0.00	0	0	0	0	0	0
Special day celebration	3	25	88	113	33.58	24	3	27	49	91	140
Sankalp Se Siddhi	0	0	0	0	0.00	0	0	0	0	0	0
Swatchta Hi Sewa	16	94	248	342	45.71	0	1	1	94	249	343
Celebration of important date	10	296	408	704	20.26	0	0	0	296	408	704
Others	0	0	0	0	0.00	0	0	0	0	0	0
TOTAL	7207	10161	4122	14283		25	9	34	10186	4131	14317

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	
Radio talks	
TV talks	
Popular articles	
Extension Literature	6
Electronic media	
Animal health camp	
Any other	

C. Celebration of important days in KVKs

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26 th Jan.)	01	15	10	25	11.0	-	-	-	15	10	25
World Pulse Day (10 th Feb.)	01	100	0	100	5.0	-	-	-	100	0	100
International Women's Day (8 th Mar.)	01	0	244	244	40.98	-	-	-	0	244	244
Ambedkar Jayanti (14 th Apr.)	-	-	-	-	-	-	-	-	-	-	-
Jal Jeevan Hariyali Diwas (4 th May)	01	50	0	50	2.0	-	-	-	50	0	50
International Yoga Day (21 st Jun.)	01	8	2	10	20.0	-	-	-	8	2	10
Independence Day (15 th Aug.)	01	17	11	28	15.0	-	-	-	17	11	28
Parthenium Awareness Week	-	-	-	-	-	-	-	-	-	-	-
Hindi Diwas (14 th Sep.)	-	-	-	-	-	-	-	-	-	-	-
Gandhi Jayanti (2 nd Oct.)	01	0	27	27	25.93	-	-	-	0	27	27
Mahila Kisan Diwas (15 th Oct.)	01	0	133	133	20.30	-	-	-	0	133	133
World Food Day (16 th Oct.)	-	-	-	-	-	-	-	-	-	-	-
Vigilance Awareness Week	02	17	24	41	42.42	-	-	-	17	24	41
National Unity Day (31 st Oct.)	-	-	-	-	-	-	-	-	-	-	-
World Science Day (10 th Nov.)	-	-	-	-	-	-	-	-	-	-	-
National Education Day (11 th Nov.)	-	-	-	-	-	-	-	-	-	-	-
National Constitution Day (26 th Nov.)	01	20	5	25	20.0	-	-	-	20	5	25
World Soil Day (5 th Dec.)	01	53	0	53	9.43	-	-	-	53	0	53
Kisan Diwas (23 rd Dec.)	01	48	0	48	0.00	-	-	-	48	0	48

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

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1.	01-01-2022	Hon'ble PM, GoI address to farmers' on release of 10th installment PM Kisan Samman Nidhi	Hon'ble PM & AM	108	10	-	118
2.	26-04-2022	Hon'ble AM, GoI address to farmers' on "Kisan Bhagidari-Prathmikta Hamari"	Hon'ble PM & AM	302	10	-	313
3.	17-10-2022	Live telecast of PM-Kisan Samman Sannelan	Hon'ble PM & AM	308	10	-	318

3.5 a. Production and supply of Technological products

Village seed

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

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Grand Total							

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
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							

Production of Bio-Products

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

Production of livestock materials

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

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

i) Name of Seed Hub Centre: NA

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

ii) Quality Seed Production of Pulses

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

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

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

Item	Title	Author's name	ISBN No./ISSN Copy	Circulation
Research paper				
Seminar/conference/ symposia papers				
Books				
Bulletins				
News letter				
Popular Articles	रागी - एक पौष्टिक मोटा अनाज	कविता डालमिया एवं सुरेन्द्र चौरसिया	-	1000
	ग्रामीण विकास में गव्य व्यवसाय का योगदान	राकेश कुमार, कविता डालमिया, सुरेन्द्र चौरसिया एवं बिनीता रानी	-	1000
	ग्रामीण स्तर पर दुग्ध पदार्थ बनाने की विधि	कविता डालमिया, सुरेन्द्र चौरसिया, बिनीता रानी एवं राकेश कुमार	-	1000
	ग्रामीण स्तर पर आलू के मूल्य - वर्धित उत्पाद	कविता डालमिया, सुरेन्द्र चौरसिया एवं बिनीता रानी	-	1000
	टमाटर के संरक्षण एवं उत्पाद	कविता डालमिया	-	1000
	ग्रामीण स्तर पर मुरब्बा बनाने की विधि	कविता डालमिया, सुरेन्द्र चौरसिया एवं बिनीता रानी	-	1000
Book Chapter				
Extension Pamphlets/ literature				
Technical reports				
Electronic Publication (CD/DVD etc)				
TOTAL				

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.	Capacity development programme	Empowerment of Farm women Entrepreneurs	Dr. Kavita Dalmia, SMS (Home Science)	26-28 Feb 2022 (3 days)	DRPCA, PUSA
2.	National Seminar	Converging Agribusiness acumen for growth Profitability and Sustainability through Agripreneurs & Agri Start-ups (CAGSAS-2022)	Dr. Kavita Dalmia, SMS (Home Science)	25-26 Nov 2022 (2 days)	BAU, Sabour
3.	Refresher Course Programme	Advances in Veterinary and Animal Science for Sustainable Rural Development	Dr. Bibha Kumari, SMS (Animal Science)	14-16 Dec 2022 (3 days)	BASU, Patna
4.					

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

Success Story – 01

Name : **Sri Jaynandan Sharma**
Address : Usaridih, Kaler, Arwal
Age : 58 years
Land : 4.0 acres



- Sri Jayanandan Sharma is an educated, innovative farmer of village Usaridih of Kaler block in Arwal district. He is always an early adopter of all the latest ago-techniques in farming and milk production technology.
- He has 4 cross bred healthy and productive cows together with 2 buffaloes.
- He is well aware of RCT practices in sustaining farm/soil productivity and improving environmental quality.
- Growing latest HYVs of Paddy, Wheat, Pulses etc is his passion. Other farmers of the village follow his good agricultural practices for yield and income sustainability.

Year	Income (Rs.)		Total Income (Rs.)
	Crop	Dairy	
2019-20	136500.00	96450.00	2,32,950.00
2020-21	155100.00	107200.00	2,62,300.00
2021-22	170180.00	125816.00	2,95,996.00



Success Story – 02

Name : **Sri Shashikant Sinha**
 Address : Belaon, Kaler, Arwal
 Age : 28 years
 Land : 2.0 acres



- Sri Shashikant Sinha is an educated successful dairy man. At present, he is having 6 cross bred highly productive cows. He is adopting scientific practices of dairy management as well as feeding techniques for healthy and high milk productivity.
- Prior to rearing cows, his income from crop cultivation alone was not sufficient for earning his livelihood.
- Higher income from vegetable and milk production/selling value added milk products increased his net profit and ultimately his living standard.

Year	Income (Rs.)			Total Income (Rs.)
	Crop	Dairy	Vegetables	
2019-20	31500.00	24000.00	900.00	56,400.00
2020-21	42000.00	47000.00	2250.00	91,250.00

2021-22	64850.00	85200.00	5500.00	1,55,550.00
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3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology

3.9. 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)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

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)

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

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 : NA

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil				
2.	Water				
3.	Plant				
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.	Awareness Programme	53	-	-	-	53

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: NA

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

3.14. RAWE/ FET programme - is KVK involved? (Y/N): N

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/Zila Parishad/Other Head of Organization/Foreigners)

Date	Name of the person	Purpose of visit

4. IMPACT

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

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

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

Give information in the same format as in case studies

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

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

4.4. Details of 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

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty.(q)	Cost of inputs	Gross income	

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

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

6.4. Performance of instructional farm (livestock and fisheries production)

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

Date of completion:

Occupancy details:

Months	Q I	Q II	Q III	Q IV	Q V	Q VI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number

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

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

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

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

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

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

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)
2019-20	26,08,207.49	3,97,321.80	7,62,940.00	29,73,825.69
2020-21	29,73,825.69	6,24,612.80	7,79,084.00	31,28,296.89
2021-22	31,28,296.89	4,88,102.00	11,91,603.00	38,31,797.89
2022-23	38,31,797.89			

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

7.7. Joint activity carried out with line departments and ATMA

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

8. Other information

8.1. Prevalent diseases in Crops: **NA**

Name of the disease	Crop	Date of outbreak	Area affected (in ha)	% Commodity loss	Preventive measures taken for area (in ha)

8.2. Prevalent diseases in Livestock/Fishery: **NA**

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

9.1. Nehru Yuva Kendra (NYK) Training: **NA**

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

9.2. PPV & FR Sensitization training Programme: **NA**

	Resource Person	No. of participants	Registration (crop wise)

Date of vaccination programme			Name of crop	No. of registration

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

Type of message	No. of messages	No. of farmers covered
Crop	02	20186
Livestock	-	-
Fishery	-	-
Weather	-	-
Marketing	-	-
Awareness	-	-
Training information	-	-
Other	-	-
Total	02	20186

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	13
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): **NA**

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/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
02-10-2022	Awareness programme about Swachhta.	1	27	0	28
06-10-2022	Awareness programme about Swachhta.	1	22	0	23

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
07-10-2022	Cleaning of villages programme with farmers.	2	18	0	20
11-10-2022	Cleaning of offices and campus and disposal of scraps, space freed, etc.	7	9	0	16
14-10-2022	Awareness programme about Swachhta.	1	17	0	18
15-10-2022	Cleaning of offices and campus and disposal of scraps, space freed, etc.	7	20	0	27
18-10-2022	Cleaning of villages programme with farmers.	3	23	0	26
19-10-2022	Awareness programme about Swachhta.	3	18	0	21
20-10-2022	Orientation of school children on various topics like hygiene, sanitation, cleanliness.	3	0	42	45
16-12-2022	Awareness Programme	1	30	0	31
17-12-2022	Cleaning of Office, corridors and premises	7	9	0	16
20-12-2022	Awareness on utilization of organic wastes, generation of wealth from waste, polythene free status in villages	1	25	0	26
22-12-2022	Swachhta Awareness at local level-organizing Sanitation Campaigns involving and with the help of the farmers, farm women and village youth in village	2	25	0	27
23-12-2022	KVK Arwal - Celebration of Special Day - Kisan Diwas - 23 December 2022, inviting farmers. Experience sharing on Swachhata initiatives by farmers and civil society official.	7	48	0	55
27-12-2022	Awareness of Crop residue/waste management in villages	3	20	0	23
28-12-2022	Awareness on recycling of waste water, water harvesting for agriculture/ horticulture application/kitchen gardens in outside campuses/ nearby villages.	4	16	0	20

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	-	28,800.00 (upto Dec. 2022)
2. Basic maintenance	2	
3. Sanitation and SBM	-	
4. Cleaning and beautification of surrounding areas	12	
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	9	
8. Swachhta Workshops	1	
9. Swachhta Pledge	2	
10. Display and Banner	3	
11. Foster healthy competition		
12. Involvement of print and electronic media	-	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
14. No. of Staff members involved in the activities	11	
15. No of VIP/VVIPs involved in the activities	-	
16. Any other specific activity (in details)	-	
Total		

9.7. Observation of National Science Day: NA

Date of Observation	Activities undertaken

9.8. Programme with Seema Suraksha Bal/ BSF: NA

Title of Programme	Date	No. of participants

9.9. Agriculture Knowledge in rural school: NA

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: NA

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

9.11. Details of Swachhta Hi Sewa programme organized

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

9.12. Details of Mahila Kisan Divas programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1.	Awareness Programme	10	133	-	-

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.			
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 : NA

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

9.17. Contingent crop planning: NA

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): NA

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: NA

a. Achievements of physical output under TSP during 2021

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

b. Fund received under TSP in 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 implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2022

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

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

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

b) Award received by Farmers in year 2022: NA

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

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): NA

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

17. Integrated Farming System (IFS): NA

A) Details of KVK Demo. Unit

22. Information of NARI Project (if applicable): NA

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

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

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 beneficiaries

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: NA

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

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

Krishi Kalyan Abhiyan- I/II**A. Training**

Name of programme	No. of programmes	No. of farmers benefitted									No. of officials attended the programme
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	
KKA-I											
KKA-II											

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

Name of programme	No. of Programme	Total quantity distributed				No. of farmers benefitted								No. of other officials (except KVK) attended the programme	
		Seed (q)	Planting material (lakh)	Input (kg)	Other (kg/ No.)	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F		T
KKA-I															
KKA-II															

C. Livestock and Fishery related activities

Name of programme	No. of Programme	Activities performed				No. of farmers benefitted								No. of other officials (except KVK) attended the programme	
		No. of animals vaccinated	No. of animals dewormed	Feed/ nutrient supplements provided (kg)	Any other (Distribution of animals/ birds/ fingerlings) [No.]	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F		T
KKA-I															
KKA-II															

D. Other activities

Name of programme	Activities	No. of farmers benefitted									No. of other officials (except KVK) attended the programme	
		SC		ST		Others		Total				
		M	F	M	F	M	F	M	F	T		
KKA-I	Soil Health Card Distributed											
	NADEP											
	Pit established											
	Farm implements distributed											
KKA-II	Others, if any											
	Soil Health Card Distributed											
	NADEP											
	Pit established											
KKA-II	Farm implements distributed											
	Others, if any											

Krishi Kalyan Abhiyan- III

No. of villages covered	No. of animal inseminated	No. of farmers benefitted									Any other, if any (pl. specify)
		SC		ST		Others		Total			
		M	F	M	F	M	F	M	F	T	

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25. ARYA: NA

KVK	No. of entrepreneurial units established	No. of Training programs organized	No. of rural youth trained		No. of youth established units	
			Male	Female	Male	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)

Annexure – I (Training Programmes – PF/RV/EF)

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Home Science	PF	Cultivation of oyster mushroom for good health	1	OFF	24	1	25	0	0	0
Plant Pathology	PF	Importance of seed treatment in various crops	1	OFF	18	3	21	4	0	4
Home Science	PF	How to prepare nutritional garden	1	OFF	0	23	23	0	10	10
Home Science	PF	Food security by kitchen gardening	1	ON	0	50	50	0	50	50
Plant Pathology	PF	Management of late blight in potato	1	Online	17	2	19	0	0	0
Horticulture	PF	Protected cultivation of horticultural crops	1	Online	11	1	12	0	0	0
Home Science	PF	Oyster mushroom production	1	Online	15	5	20	2	1	3
Horticulture	PF	Cultivation of medicinal and aromatic plant	1	Online	6	2	8	0	0	0
Plant Pathology	PF	IDM and IPM in Mango	1	Online	13	1	14	2	0	2
Home Science	PF	Cultivation of oyster mushroom for good health.	1	ON	2	14	16	0	0	0
Home Science	PF	Mushroom production and their product	1	OFF	0	14	14	0	2	2
Plant Pathology	PF	IPM and IDM in pulses	1	OFF	100	0	100	5	0	5
Home Science	PF	Cultivation of oyster mushroom for good health	1	OFF	0	30	30	0	30	30
Home Science	PF	How to prepare Nutritional Garden for good health.	1	OFF	0	17	17	0	1	1
Crop Production	PF	Cultivation of summer moong	1	OFF	51	0	51	4	0	4
Horticulture	RY	Cultivation of lobea and other vegetables.	2	ON	21	0	21	4	0	4
Horticulture	PF	INM in vegetable crops	1	OFF	45	7	52	10	5	15
Home Science	PF	Nutritional requirement for pregnant and lactating women/mother	1	OFF	0	26	26	0	8	8
Home Science	PF	Food security by kitchen gardening	1	OFF	0	40	40	0	40	40
Home Science	PF	Oyster mushroom cultivation	1	OFF	0	25	25	0	5	5
Home Science	PF	Food prepare from locally available materials for 6 to 15 month child	1	OFF	0	40	40	0	40	40
Crop Production	PF	Cultivation of summer moong	1	OFF	19	1	20	2	0	2
Home Science	PF	Oyster mushroom cultivation	1	OFF	4	16	20	0	0	0
Home Science	RY	Preparation of potato chips, potato papad and potato lachha	3	ON	0	30	30	0	15	15
Horticulture	EF	Nursery management for income generation	2	ON	0	21	21	0	2	2
Plant Pathology	PF	IPM and IDM in Chili	1	ON	16	4	20	4	0	4
Home Science	RY	Value addition in Rice by making rice product	3	ON	0	24	24	0	10	10
Crop Production	EF	Productivity enhancement of crops	2	ON	29	1	30	1	0	1
Plant Pathology	PF	IDM in Cucurbitaceous vegetable	1	OFF	19	3	22	1	0	1
Horticulture	PF	Scientific cultivation of veg. crop	2	ON	12	13	25	6	5	11
Home Science	PF	Oyster mushroom cultivation	1	OFF	39	0	39	1	0	1
Crop Production	EF	Productivity enhancement of crops	1	ON	64	4	68	3	0	3

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Plant Pathology	EF	Integrated pest management in crops	1	ON	64	4	68	3	0	3
Crop Production	PF	Crop diversification in Kisan Mela	1	ON	48	34	82	9	0	9
Home Science	PF	House hold food security by kitchen gardening.	1	OFF	0	18	18	0	10	10
Horticulture	PF	Vegetable crop management in summer season	2	ON	17	5	22	4	5	9
Home Science	PF	Awareness about daily requirement of nutrients	1	OFF	0	38	38	0	6	6
Horticulture	PF	Orchard management of fruit crop	2	OFF	19	2	21	5	0	5
Home Science	PF	Value addition in ragi by making ragi laddu	1	OFF	0	35	35	0	10	10
Crop Production	PF	Laser land leveller and its benefit for precision farming	1	OFF	13	0	13	1	0	1
Home Science	RY	Awareness about daily requirement of nutrients	1	OFF	0	27	27	0	6	6
Crop Production	PF	Cultivation of summer moong	1	OFF	22	0	22	3	0	3
Home Science	PF	Development of kitchen garden for Kharif season for food security	1	OFF	0	28	28	0	28	28
Home Science	PF	Preparation of supplementary food for 6-18 months old children through wheat and ragi	1	ON	0	25	25	0	23	23
Home Science	RY	House hold food security by kitchen gardening	1	ON	0	29	29	0	29	29
Plant Pathology	PF	IPM in Green gram	1	OFF	15	0	15	0	0	0
Plant Pathology	PF	IDM & IPM in Bitter gourd	1	OFF	17	1	18	3	0	3
Home Science	PF	Value addition in potato by making potato chips and potato lachcha .	1	ON	0	27	27	0	10	10
Plant Pathology	PF	IPM in summer vegetables	1	ON	10	7	17	0	0	0
Home Science	PF	Awareness about daily requirement of nutrients	1	OFF	0	27	27	0	12	12
Home Science	PF	Value addition in potato by making potato chips	1	OFF	0	20	20	0	8	8
Plant Pathology	PF	Viral disease of moong	1	ON	17	3	20	0	0	0
Plant Pathology	EF	IPM in Kharif crops	1	OFF	51	5	56	6	0	6
Plant Pathology	PF	IDM in Rice	1	ON	20	10	30	2	2	4
Crop Production	PF	Management of Paddy nursery	1	OFF	15	4	19	4	2	6
Home Science	PF	Benefit of mushroom production	1	ON	5	15	20	5	15	20
Crop Production	PF	Nutrient Management in Cropping System	1	ON	31	11	42	3	2	5
Plant Pathology	PF	Importance of seed treatment in Paddy	1	OFF	21	0	21	2	0	2
Home Science	PF	Food security by nutritional garden for good health .	1	ON	17	10	27	17	10	27
Plant Pathology	PF	Training of Balance and right use of fertilizers including Nano urea	1	ON	32	0	32	2	0	2
Home Science	PF	Milky mushroom cultivation	1	ON	5	20	25	1	9	10
Home Science	PF	House hold food security by kitchen gardening.	1	Off	0	21	21	0	5	5
Crop Production	PF	Water management in Paddy	1	Off	13	0	13	2	0	2
Home Science	PF	Preparation of food for pregnant women through wheat.chana and ragi	1	Off	0	24	24	0	13	13
Horticulture	PF	Protected cultivation of horticultural crops	1	ON	18	0	18	2	0	2

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Home Science	PF	House hold food security by kitchen gardening.	1	Off	0	18	18	0	18	18
Crop Production	PF	Weed management in Paddy	1	Off	16	0	16	1	0	1
Horticulture	EF	Nursery management and protected cultivation for future prospect	2	ON	0	22	22	0	3	3
Home Science	RY	Preparation of Rice papad with the help of value addition in Rice	1	ON	0	30	30	0	18	18
Horticulture	PF	Establishment of new orchard	1	Off	25	0	25	6	0	6
Home Science	RY	Bottle painting, Flower making, Pot making with old paper, Wall painting with papal leaf, Shagun lifafa making	6	ON	0	30	30	0	12	12
Horticulture	PF	Layout for new orchard	1	OFF	13	5	18	0	2	2
Home Science	PF	Cultivation of oyster mushroom	1	OFF	2	15	17	0	0	0
Home Science	RY	Cultivation of oyster mushroom	1	OFF	4	11	15	0	0	0
Horticulture	PF	Scientific cultivation of fruit crop.	1	ON	16	4	20	0	1	1
Crop Production	PF	Weed management in Rice crop	1	Off	17	0	17	2	0	2
Crop Production	PF	Weed management in Rice crop	1	Off	20	0	20	1	0	1
Plant Pathology	RY	Bee keeping	5	ON	20	16	36	6	3	9
Plant Pathology	PF	Management of false smut in Rice	1	ON	18	16	34	4	3	7
Horticulture	PF	Scientific cultivation of rainy season vegetables	1	ON	20	9	29	0	3	3
Home Science	PF	Preparation of ready to eat food for 6 to 15 month children	1	OFF	0	21	21	0	13	13
Plant Pathology	PF	Disease and pest management in Rice through bio-agent	1	ON	25	0	25	8	0	8
Crop Production	EF	Yield enhancement of Kharif Paddy	2	ON	22	1	23	2	0	2
Home Science	PF	Minimization of nutrients loss in processing	1	OFF	0	17	17	0	0	0
Home Science	PF	Training for small enterprise by making pulses papad	1	OFF	0	16	16	0	8	8
Home Science	PF	Cultivation of Oyster Mushroom	1	OFF	2	11	13	1	0	1
Home Science	PF	How to prepare for kitchen garden /nutritional garden	1	OFF	0	27	27	0	15	15
Home Science	PF	Preparation of supplementary food from millets	1	OFF	2	20	22	0	8	8
Home Science	PF	How to prepare for kitchen garden /nutritional garden	1	OFF	1	18	19	0	0	0
Horticulture	PF	Crop management of Kharif vegetables	1	OFF	13	0	13	0	0	0
Home Science	RY	Awareness about Enterprise development	1	OFF	0	23	23	0	9	9
Crop Production	PF	Water management in standing paddy crop	1	OFF	18	0	18	1	0	1
Home Science	PF	Child care and their development	1	OFF	0	26	26	0	15	15
Home Science	RY	Benefits from Mushroom Production and their marketing	1	OFF	0	24	24	0	17	17
Home Science	PF	Low-cost nutrient recipe for school going children	1	OFF	0	17	17	0	12	12

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Home Science	EF	Oyster mushroom cultivation	2	ON	0	23	23	0	5	5
Animal Science	PF	Balance nutrition for lactating cattle	1	ON	22	0	22	4	0	4
Horticulture	EF	Off season vegetable cultivation	2	ON	0	26	26	0	0	0
Home Science	PF	Food security by Mushroom Production	1	ON	0	16	16	0	16	16
Home Science	RY	Food product preparation with the help of mushroom	1	ON	0	31	31	0	31	31
Home Science	PF	House hold food security by Kitchen gardening	1	ON	0	15	15	0	15	15
Home Science	PF	Cultivation of button mushroom	1	ON	12	10	22	1	5	6
Plant Pathology	PF	IPM in Rabi pulses	1	ON	30	0	30	0	0	0
Animal Science	PF	Importance of fodder in animal feed	1	ON	0	24	24	0	10	10
Plant Pathology	PF	IDM in Rabi pulses	1	ON	28	2	30	0	0	0
Animal Science	PF	Fodder Production	1	ON	28	0	28	3	0	3
Horticulture	PF	Agronomical management practices of Potato	1	ON	20	5	25	0	0	0
Animal Science	PF	Techniques of productivity enhancement of dairy animals	1	ON	17	7	24	3	4	7
Horticulture	RY	Care and management of fruit crops	5	ON	12	18	30	3	16	19
Plant Pathology	PF	IPM & IDM in Rabi pulses	1	ON	27	0	27	3	0	3
Plant Pathology	PF	IDM & IPM in Rabi pulses	1	ON	23	0	23	0	0	0
Home Science	PF	Household food security by kitchen garden	1	OFF	0	17	17	0	1	1
Home Science	PF	Preparation of different product of Amla	1	OFF	0	24	24	0	24	24
Horticulture	PF	Cultivation practices of vegetable	2	ON	14	20	34	14	20	34
Home Science	RY	Household food security by kitchen garden	1	OFF	0	15	15	0	15	15
Animal Science	PF	Goat farming in Rural areas	1	OFF	7	13	20	5	13	18

Annexure – II (Participation in Sponsored Training Programmes) – CRA Programme of GoB

Sl.	Title	Thematic area	Month	Duration (days)	Client PF/RV/EF	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
					Others		SC	ST	Others	SC	ST	Others	SC	ST	Total		
1.	Cultivation of mushroom for good health	Mushroom cultivation	Feb-22	1	PF	1	35	3	0	0	0	0	35	3	0	38	Govt of Bihar under CRA Programme
2.	Cultivation of mushroom for good health	Mushroom cultivation	Feb-22	1	PF	1	16	1	0	13	0	0	29	1	0	30	
3.	Cultivation of summer moong	ICM	Feb-22	1	PF	1	13	2	0	0	0	0	13	2	0	15	
4.	Laser land leveller and its benefit for precision farming	Post Harvesting techniques	Apr-22	1	PF	1	44	6	0	0	0	0	44	6	0	50	
5.	Training on contingent plan of Kharif	RCT	Sep-22	1	PF	1	52	4	0	0	0	0	52	4	0	56	
6.	Water and Nitrogen management in Paddy & IPM in Rice	RCT	Sep-22	1	PF	1	43	13	0	0	0	0	43	13	0	56	
7.	Nitrogen management in DSR & IPM	RCT	Sep-22	1	PF	1	45	1	0	0	0	0	45	1	0	46	
8.	Nitrogen management in Paddy crop & IDM in Rice	RCT	Sep-22	1	PF	1	60	5	0	0	0	0	60	5	0	65	
9.	Water and Nitrogen management in Rice & IDM in Rice	RCT	Sep-22	1	PF	1	41	2	0	10	8	0	51	10	0	61	
10.	Water management in Paddy crop	ICM	Oct-22	1	PF	1	12	2	0	0	0	0	12	2	0	14	
11.	IPM in Rice	IPM	Oct-22	1	PF	1	24	5	0	0	0	0	24	5	0	29	
12.	ZT techniques for wheat cultivation	ICM	Nov-22	1	PF	1	10	2	0	0	0	0	10	2	0	12	
13.	Training on World Soil Day	Others	Dec-22	1	PF	1	49	4	0	0	0	0	49	4	0	53	
14.	ZT techniques for wheat cultivation	RCT	Dec-22	1	PF	1	11	2	0	0	0	0	11	2	0	13	
15.	Training on National Farmer's Day	Others	Dec-22	1	PF	1	48	0	0	0	0	0	48	0	0	48	
