PROFORMA FOR ANNUAL REPORT2022(1st January-31st December 2022)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
K.V.K, Sipaya Farm, P.O-Sipaya, Gopalganj (Bihar) Pin: 841501			head.kvk.sipaya@rpcau.ac.in

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

Address	Telephone		E mail
	Office	FAX	
Dr. Rajendra Prasad Central Agricultural University, Bihar, Pusa (Samastipur)-848125	06274-240226	06274-240255	vc@rpcau.ac.in

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Ramakrishna Roy		9135025137	head.kvk.sipaya@rpcau.ac.in

1.4. Year of sanction of KVK:2006

1.5. Staff Position (**as on 31st Dec, 2022**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent/Temporary	Category (SC/ST/ OBC/ Others)
1	Senior Scientist& Head	Dr. Ramakrishna Roy	Sr. Scientist & Head	Animal Science	79800-199300	16.06.2015	Permanent	Others
2	Subject Matter Specialist	Er. Naveen Kumar	SMS	Ag. Engg.	56100-177500	29.09.2018	Permanent	OBC
3	Subject Matter Specialist	Dr. Anita Gautam	SMS	Home Sc.	56100-177500	18.12.2018	Permanent	SC
4	Subject Matter Specialist	Dr. Abhsihek Rana	SMS	Plant Protection (Entomology)	56100-177500		Permanent	Others
4	Subject Matter Specialist	Vacant	SMS	Agronomy	56100-177500		Permanent	
5	Subject Matter Specialist	Vacant	SMS	Horticulture	56100-177500		Permanent	
6	Subject Matter Specialist	Vacant	SMS	Ag. Extension	56100-177500		Permanent	
7	Subject Matter Specialist	Vacant	SMS	Soil Science	56100-177500		Permanent	
8	Programme Assistant	Vacant						
9	Computer Programmer	Vacant						
10	Farm Manager	Shri Ravikant Kumar	Farm Manager	Agro.	35400-112400	08.12.2017	Permanent	OBC
11	Accountant / Superintendent	Mr. Pankaj Rai	Assistant		35400-112400	23.11.2017	Permanent	OBC
12	Stenographer	Vacant	Stenographer		25500-81100		Permanent	
13.	Driver	Shri Abhishek Kumar	Jeep Driver		21700-69100	01.03.2021	Permanent	SC
14.	Driver	Shri Gunjan Kumar	Tractor Driver		21700-69100	03.03.2022	Permanent	EWS
15.	Supporting staff	Shri Nilesh Kumar	SSS	-	18000-56900	01.03.2021	Permanent	OBC
16.	Supporting staff	Vacant						

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	-
2.	Under Demonstration Units	-
3.	Under Crops	13.0
4.	Orchard/Agro-forestry	1.0
5.	Others with details	6.0
	Total	20.0

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					✓		Use	
2.	Farmers Hostel					✓		Use	
3.	Staff Quarters (4)					✓			
4.	Piggery unit								
5	Fencing					✓		Use	
6	Rain Water harvesting structure								
7	Threshing floor					✓		Use	
8	Farm godown					✓		Use	
9.	Dairy unit					✓		Use	
10.	Poultry unit								
11.	Goatary unit								
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house					✓		Use	
15.	Soil test Lab (Mridaprikshak)					✓		Use	
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
Jeep (Bolero)				Old condemned and new vehicle unavailable

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Moisture meter	2012	1200	Good	DSF, Dholi
Digital scale (cap 2kg)	2017	4100	Good	ICAR
E-scale (Cap 6 kg)	2017	1961	Good	ICAR
b. Farm machinery				
Tractor	2006	328738	Good	ICAR
M.B plough	2006	16058	Not working	
Hydraulic trailr	2006	62500	Good	
Leveller	2006	76052	Good	
Power weeder	2010	75000	Not working	Department of S/C
Sugar cane cutter planter	2011	72450	Good	Department of S/C
Square baler	2012	840000	Good	GoB
Zero Till Drill			Good	
Cultivator	2017	22000	Good	ICAR
Disc Harrow	2017	43000	Good	ICAR
c. AV Aids				
Computer & Accessories	2007	70000	Good	ICAR
Handycam DCR-DVD 710E	2009	24990	Not working	ICAR
Multimedia Projector	2009	95000	Good	ICAR
Photostat machine	2009	64000	Not working	ICAR

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Avery balance	2009	39398	Not working	Department of S/C
Bag closer machine	2010	5400	Not working	DSF, Dholi
Sprayer hi Tech	2007	1250	Good	Department of S/C
Sprinkler System	2007	30,000	Not working	Department of S/C
Ridger	2007	8500	Not working	Department of S/C
Dal maker	2007	6200	Not working	Department of S/C
Hand operated fan (winnower)	2007	2850	Not working	Department of S/C
Disc Harrow	2007	43000	Not working	
9 tyne cultivator (Rigid)	2007	22000	Not working	
Rocker Sprayer (Aspee)	2008	4100	Good	Department of S/C
HDPE pipe full set PCN one	2008	30000	Not working	Department of S/C
Cultivator 9 tyne	2008	14500	Good	Department of S/C

Aspee Balo power sprayer	2009	6000	Not working	Department of S/C
Knapsack sprayer (Aspee)	2009	6000	Good	Department of S/C
Avery balance	2009	39398	Not working	Dept of S/C
Disc Plough	2010	24600	Good	Department of S/C
Disc bund former	2010	16900	Good	Department of S/C
Ridger	2010	17500	Good	Department of S/C
Power weeder	2010	75000	Good	Department of S/C
Duster	2010	7900	Not working	
Bag closer machine	2010	5200	Not working	DSF, Dholi
Bag stiching machine	2010	5400	Not working	DSF Dholi
Mobile seed processing plant	2010	970000	Not working	
Raised bed seeder cum sugarcane cutter planter	2011	72622	Not working	
Markant-55 sqrare baler	2012	840000	Not working	
Aspee Rocker sprayer	2014	6250	Good	
Cane cultivator	2015	13500	Good	
Agricultural tractor 30 DI	2019	482076	Good	ICAR
John Deree Tractor	2019	612036.84	Good	ICAR
Tractor operated Laser	2020	291200	Good	ICAR
Land leveler cultivator	2020	27776	Good	ICAR
Zero till seed cum fertilizer	2020	43120	Good	ICAR
Mini Dal mill	2020	94500	Good	ICAR
Happy Seeder	2020	158747	Good	ICAR
Multicrop Theresher	2020	128800	Good	ICAR
Reversible M.B plogh	2020	114240	Good	ICAR
Multicrop/Inclined plate	2020	99799	Good	ICAR
Self propelled reaper cum binder	2020	520000	Good	ICAR
Mainfed heavy duty Sisc plogh	2021	72492	Good	ICAR
Tractor operated boom sprayer	2021	160499	Good	ICAR
Tractor towed Aro blast electrostatic	2021	761600	Good	ICAR
Power tiller	2021	212800	Good	ICAR
Tractor J.D 5305	2021	671580.31	Good	CRAP
Laser Land levellar	2021	248000	Good	CRAP
Hydraulic tractor trolly	2021	143400	Good	ICAR
Rotavator	2021	96240	Good	ICAR
Multicrop Planter	2021	77549	Good	CRAP
Tractor operated reaper cum binder	2021	342000	Good	ICAR
Happy seeder	2021	140000	Good	CRAP
Zero till seed cum fertilizer	2021	72000	Good	CRAP

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.	14.12.2021		Annexure-I		

** 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 (2020)

Sl. no.	Item	Information	
1	Major Farming system/enterprise	i. Crop based farming System a. Rice-wheat b. Rice-wheat-green gram c. Sugarcane-wheat ii. Dairy iii. Poultry iv. Goat	
2	Agro-climatic Zone	Zone-I	
3	Agro ecological situation (AES)	AES	Characteristics
		Upland	Sandy loam soil, flat topography, no water logging, calcareous soil having free calcium carbonate 30-40%, easier in tillage operation with medium water table.
		Medium land	Soil loam in texture, flat topography, water logging for shorter period, calcareous soil with 20-30% free calcium carbonate, Low water holding capacity & good quality ground water.
		Low land	Deep soil, clay loam texture, flat in topography, tillage operation is difficult, high water table.
		Diara land	Soil is sandy in texture. Highly porous with poor water holding capacity.
4	Soil type	Soil Type	Characteristics
		Sandy Loam	Light soil, 30-40% free calcium carbonate, 7.8-8.5 pH, low fertility status, deficient in P,K,Zn,Fe,S and B with low organic carbon
		Loam	Medium soil,20-30% free calcium carbonate, 8.0-8.5 pH, low to medium fertility status, deficient in P,K,Zn,Fe,B and S. Low in organic carbon
		Clay Loam	Medium to heavy texture, <20% free calcium carbonate, <8.0pH, low to medium fertility status, deficient in P,Zn and S with low in organic carbon.

5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	S.N.	Crop	Area (ha)	Production (q)	Productivity (q/ha)
		1.Cereals	Rice	88000	1456000	17.49
			Wheat	97000	1944000	26.13
			Maize	10000	311600	31.07
		2. Pulses	Lentil	1840	16560	9.00
			Pigeonpea	6956	35615	5.12
			Pea	2375	18050	7.60
		3. Oilseeds	Mustard	3842	35731	9.30
			Linseed	1260	7560	6.00
		4. Cash Crop	Sugarcane	36223	16278410	449.40
			Potato	1205	229311	190.30
		5. Vegetables	Cauli flower	1903	225696	118.60
			Cabbage	1060	170342	160.70
			Tomato	1571	240834	153.30
		6.Spices	Garlic	23	1450	63.00
			Coriander	13	110	8.30

6	Mean yearly temperature, rainfall, humidity of the district	Month	Temperature (^{0} C)		Average Rainfall (mm)	Relative Humidity
			Min Temp	Max Temp		Max / Min
		January, 2022	6.23	23.20	12.9	77.50 / 57.91
		February, 2022	11.39	26.32	13.4	67.26 / 46.21
		March, 2022	16.34	32.50	0.0	51.41 / 30.82
		April, 2022	22.18	37.49	0.0	45.50 / 24.71
		May, 2022	26.53	41.02	33.7	56.53 / 33.79
		June, 2022	27.61	38.16	95.56	70.76 / 54.74
		July, 2022	26.14	32.99	134.9	82.48 / 73.64
		August, 2022	26.10	32.45	194.2	83.45 / 76.52
		September, 2022	25.32	32.23	260.3	81.85 / 75.39
		October, 2022	21.52	31.84	60.33	74.82 / 67.91
		November, 2022	14.57	28.73	0.0	70.76 / 60.66
		December, 2022	9.8	24.62	22.6	75.30 / 59.69

7	Production of major livestock products like milk, egg, meat etc.	Category	Population (in '000)	Productivity
		Cattle		
		Crossbred	84.0	2000 L/lactation. 10-12 L/day
		indigenous	123.5	1000 L/lactation, 4-5 L/day
		Non descriptive buffaloes (Local low yielding)	72.6	

		Descriptive buffaloes	42.0	
		Sheep		
		indigenous	1.3	
		Goats	216.2	10 kg meat/Goat
		Pigs		
		indigenous	7.5	
		Poultry		
		Commercial	76.7	
			Layer	280 eggs/bird
			Broiler	1.5-2 kg live wt. /bird
		Ducks	0.56	
		Fisheries		
		Farmer owned ponds	30 nos.	2.0 t/ha
		Reservoirs	229	
		Village tanks	209	
		Water spread area (ha)	997.8	
		Fish Production (in ‘000 tons)	2113.4	
		Yield (t/ha)	3.2	

b. Details of operational area / villages (2022)

Sl. No.	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.	Kuchaikote	Khemamtihiniya	Paddy, wheat, sugarcane, vegetables, Pulses, Oilseed, Dairy	Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises.
2.	Kuchaikote	Amwa Bijaypur	Paddy, wheat, mustard, Horticulture and vegetables	Cereals- traditional farming, Lack of knowledge about recommended practices, losses due to insect-pest, imbalance use of fertilizer Livestock- diseases, parasites, imbalanced feeding	Crop diversification, High value agriculture, Inclusion of pulses in cropping system, skill oriented trainings for agri-based enterprises. Disease diagnostic services, vaccines Treatments
3.	Kuchaikote	Narayanpur	Paddy, wheat, mustard, potato, Oilseeds, Pulses	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings, Farm mechanization, addressing crops and livestock disease and pests
4.	Kuchaikote	Sipaya	Paddy, wheat, mustard, maize, vegetable, Sugarcane	Cereals-traditional farming, imbalance use of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	Crop diversification, High value agriculture, ZT, happy seeder, skill oriented trainings for agri-based enterprises.
5.	Kuchaikote	Bishunpura	Vegetable, Paddy, Wheat, Maize, Potato, Oilseeds, Pulses (Pigeon Pea)	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
6.	Kuchaikote	Tiwari Matihiniya	Paddy, Wheat, Oilseed, Potato	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
7.	Kuchaikote	Shyampur	Paddy, wheat, mustard	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
8.	Kuchaikote	Kaithwaliya	Paddy, wheat, mustard, lentil	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
9.	Kuchaikote	Dubauliya	Paddy, wheat, mustard, lentil	Cereals-traditional farming, imbalance of fertilizer, diseases Livestock-diseases, parasites, imbalance feeding	IPM, IDM, INM, vaccination, deworming, balance feeding of livestock
10.	Unchkagaon	Khutwaniya	Paddy, wheat, mustard	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings on mushroom, livestock, horticultural crops and cereals, addressing crops and livestock disease and pests,
11.	Gopalganj	Chaturbagha	Paddy, wheat, maize, sugarcane, mustard	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in High Value Agriculture especially horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests.

12.	Gopalganj	Baraipatti	Paddy, wheat, maize, sugarcane, mustard, potato	Crop and livestock diseases and pests, monsoon dependent, imbalanced use of fertilizer, imbalanced feeding of livestock	Skill oriented trainings in Rural crafts, embroidery, processing and value addition, horticulture, mushroom, farm mechanization, addressing crops and livestock disease and pests

2. c. Details of village adoption programme:
Name of the villages adopted by PC and SMS (2022) for its development and action plan

Name of village	Block	Action taken for development
Khemmatihiniya (adopted by Sr. Scientist and Head)	Kuchaikote	Trainings on Dairy farming, Disease Diagnostic and Treatments, Addressing production problems in crops and livestock, CFLD, FLD
Baliwansagar (adopted by SMS Home Sc.)	Gopalganj	Data collection, Trainings, FLDs
Narayanpur (adopted by SMS, Ag. Engg.)	Gopalganj	Trainings, CFLD (Oilseed),FLDs
Kaithwaliya, Dubauliya, Khutwaniya, Binodmatihiniya, Kalamatihinya, Tiwari Khareya, Narayanpur(Sr. Sc & Head, SMS, Ag. Engg)	Kuchaikote	CFLD (oilseed and Pulses)
Bishunpura, Tiwari Matihiniya, Sipaya, Baraipatti, Khem Matihiniya (Sr. Sc & Head,SMS, Ag. Engg.)	Kuchaikote, Gopalganj	Climate Resilient Agriculture Programme (CRAP)

2.1 Priority thrust areas

S. No	Thrust area
1.	Needs to sustain crop productivity through integrated crop and field management approach
2.	Crop diversification
3.	Need to increase area under Vegetables/horticultural/medicinal crops.
4.	Establishment of employment generated agri -based enterprises like seed production/Vermi culture/nursery development/poultry and dairy.
5.	Need based seed production in seed villages to meet the requirement of the district.
6.	Needs to increase cultivation of pulse/oil seed crops which is marginal in the district.
7.	Integrated Disease and pest management
8.	Integrated Nutrient management
9.	Prevention, control and treatment of livestock Diseases
10.	Awareness on deworming and vaccination
11.	Mineral supplementation and protein incorporation in livestock feed
12.	Green fodder cultivation

3. TECHNICAL ACHIEVEMENTS

3.A.Details of target and achievement of mandatory activities by KVK during the year

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
11	5	110	0	10	0	0	38	0	38	10	48	8	4	125	10	4	0	0	40	9	50	4	54

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
186	136	4800	343	396	2	0	2866	823	3211	1219	4430	2586	496	4704	750	250	0	0	7748	1354	8498	1604	10102

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
636			

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
0	0		

* Give no. only in case of fish fingerlings

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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	4						
Seminar/conference/ symposia papers							
Books	1						
Bulletins							
News letter							
Popular Articles							
Book Chapter	4						
Extension Pamphlets/ literature							
Technical reports							
Electronic Publication (CD/DVD etc)							
TOTAL	9						

3.1.1Achievements on technologies assessed and refined (2022)

OFT 1: Plant Protection

1	Title	Managhement of litchi mite (*Aceria litchi Keifter*)
2	Problem diagnosed	Farmers do not use selective insecticide to control litchi mite
3	Details of technologies selected for assessment / refinement	Farmers Practice (FP): Application of Sulphur 80 WP @2 g/L water Technology option-I (TO-I): Pruning of effected twigs + Chlorffenapyr 10 EC @ 1ml/L of water twice at 10 days interval during flush emergence. Technology option-II (TO-II): Pruning of effected twigs + Propargite 57 EC @ 1.5 ml/L of water twice at 10 days intertval during flush emergence
4	Source of Technology (ICAR/AICRP/SAU/other)	NRC litchi, Muzaffarpur
5	Replications	10
6	Production system and thematic area	Fruit Production
7	Performance of the technology with performance indicators	% leaf infestation, yield (Kg/tree) and CB
8	Final recommendation for micro level sitation	
9	Constraints identified	
10	Process of Farmer Participation	Field visits

Thematic area: Fruit Production

Problem definition:Farmers do not use selective insecticide to control litchi

Technology assessed: T.O.-I viz.Pruning of effected twigs + Chlorfenapyr 10 EC @ 1ml/L of water twice at 10 days interval during flush emergence managed litchi mite well as reflected by less (% incidence of leaf infestation) and BC ratio

Result: Management of Litchi mite (**Aceria litchi Keifter**)

Technology Option	No. of Trial	Mean % of leaf infestation	Yield (Kg/Plant)	Cost of cultivation (Rs./Plant)	Gross Income (Rs./Plant)	Net Income (Rs./Plant)	B:C ratio
Farmers Practice: Application of Sulphur 80 WP @ 2 g/L water	10	28.30 (31.80)	73	710	2920	2210	3.11
TO-I: Pruning of effected twigs + Chlorfenapyr 10 EC @ 1ml/L of water twice at 10 days interval during flush emergence		12.36 (20.00)	97	860	3880	3020	3.63
TO-II: Pruning of effected twigs + Propargite 57 EC @ 1.5 ml/L of water twice at 10 days intertval during flush emergence		15.90 (23.30)	86	820	3440	2620	3.19
CD (0.05)		2.701	1.034	3.174	3.268	0.977	
SEM		0.882	0.337	1.036	1.067	0.319	

Recommendation: Pruning of effected twigs + Chlorfenapyr 10 EC @ 1ml/L of water twice at 10 days interval during flush emergence managed litchi mite well as reflected by less (% incidence of leaf infestation) and BC ratio

OFT-2 Plant Protection

1	Title	Management of pod borer (Helicoverpa armigera) and Pod fly (Melinogromyza obtusa) in pigeon pea
2	Problem diagnosed	Yield loss due to pod borer and pod fly
3	Technological option	Farmers Practice (FP):Neem seed Kernel Extract (NSKE) 5 % First spray just before flowering and second spray after pd formation Technology option-I (TO-I): Acephate 75 WP @1 g/ L water First spray just before flowering and second spray after pod formation Technology option-II (TO-II): Spinosad 45 SC @ 2 ml/L water water First spray just before flowering and second spray after pod formation
4	Source of Technology	ICAR-NCIPM, New Delhi
5	Replication	10
6	Production system and thematic area	Integrated Pest Management (IPM)
7	Performance of the technology with performance indicators	Pod borer and pod fly damage (%), Yield (q/ha), B:C ratio
8.	Final recommendation for microlevel situation	
9	Constraints identified	
10	Process of Farmer Participation	PRA

Thematic area: Fruit Production & Pre-harvest technology.

Problem definition: Yield loss due to pod borer and pod fly in Pigeonpea

Technology assessed:Spinosad 45 SC @ 2 ml/L water water first spray just before flowering and second spray after pod formation managed pod borer and pod fly in pigeonpea

Result:

Technology options	No. of trials	Mean Pod borer infestation (%)	Mean Pod fly infestation (%)	Yield (q/ha)	Cost of cultivatioin (Rs./ha)	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C ratio
FP	10	3.06 (1.87)	1.83 (1.52)	8.33	19000	37485	18485	1.02
TO_1		2.93 (1.85)	1.43 (1.38)	11.83	24600	53370	28770	1.16
TO_2		2.70 (1.79)	1.24 (1.32)	13.33	23300	59985	36685	1.57
CD at 5%		NS	0.22					
CV		11.43	6.36					
SEm ±		0.91	0.056					

Recommendation: Spinosad 45 SC @ 2 ml/L water water first spray just before flowering and second spray after pod formation managed pod borer and pod fly in pigeonpea

OFT-3 Plant Protection

1	Title	Assessment of Biointensive management practices for major pests in tomato
2	Problem diagnosed	Pests are a major problem in tomatoes
3	Technological option	Farmers Practice (FP): Use of chemical pesticides Technology option-I (TO-I): Soil application of Bioconsortia of IIHR + seed treatment with *P. fluorescens* @ 10g/ Kg + Nursery bed treatment with *P. fluorescens* @ 20 g/m^2 + Soil application of *P. fluorescens* @ 5 kg/ ha mixed with 500 kg. vermicompost per ha at 30 Days After Transplanting (DAT) + Spray of HNPV @ 250 LE/ha Technology option-II (TO-II): Soil application of Bioconsortia of IARI + seed treatment with *T. viridae* @ 10g/ Kg + Nursery bed treatment with *T. viridae* @ 50 g/m^2 + Soil application of *T. viridae* @ 5 kg/ ha mixed with 500 kg. vermicompost per ha at 30 Days After Transplanting (DAT) + Spray of HNPV @ 250 LE/ha
4	Source of Technology	
5	Replication	9
5	Production system and thematic area	Tomato based cropping system
6	Performance of the technology with performance indicators	Pest incidence (%), Pest population, Yield, B:C
7.	Final recommendation for microlevel situation	spraying of Boron (0.1%) at 15, 30 and 45 days after fruit set significantly reduced fruit cracking and increased fruit weight and yield
8	Constraints identified	
9	Process of Farmer Participation	Field visits

Thematic area: Vegetable Production

Problem definition: Pests are a major problem in tomatoes

Technology assessed:
Farmers Practice (FP): Use of chemical pesticides
Technology option-I (TO-I): Soil application of Bioconsortia of IIHR + seed treatment with *P. fluorescens* @ 10g/ Kg + Nursery bed treatment with *P. fluorescens* @ 20 g/m^2 + Soil application of *P. fluorescens* @ 5 kg/ ha mixed with 500 kg. vermicompost per ha at 30 Days After Transplanting (DAT) + Spray of HNPV @ 250 LE/ha

Technology option-II (TO-II): Soil application of Bioconsortia of IARI + seed treatment with *T. viridae* @ 10g/ Kg + Nursery bed treatment with *T. viridae* @ 50 g/m^2 + Soil application of *T. viridae* @ 5 kg/ ha mixed with 500 kg. vermicompost per ha at 30 Days After Transplanting (DAT) + Spray of HNPV @ 250 LE/ha

Result: Awaited

OFT 4: Plant Protection

1	Title	Integrated Pest Management of litchi fruit borer (*Conopomorpha sinensis*)
2	Problem diagnosed	Pest infestation leads to fruit drop and poor quality of fruit
3	Technological option	Farmers Practice (FP): Either untreated or spary of any uinsecticide as per the suggestion of other farmer or input dealers Technology option-I (TO-I): Two sprays of systemic insecticide viz. imidacloprid 17.8 SL @ 0.5-0.7 ml/ L during September at 15 days interval on emerging shoots + Spray of NSKE before flowering to avoid egg laying+ Spary of Novaluron 10 EC @ 1.56 ml/L at clove size + Spray of Emamectin Benzoate 5 SG (0.4 g/L) during aril (pulp) stage+ Last spray of Novaluron 10 Ec @ 1.5 ml/L at about 10 days before expected fruit harvesting. Technology option-II (TO-II): Deep ploughing of orchard twice a year (just after fruit harvest and in month of November/ December)+ Pruning and destruction of affected twigs twice a year (at fruit harvest stage and at new flush stage i.e September/ October) + Soil appliocation of 4 kg castor cake + 1 L NSKE per tree in the first fortnight of July+ Spraying of spinosad 45 Sc at new flush stage (September/ October) and at fruit colour break stage (last week of April)
4	Source of Technology	
5	Replication	

6	Production system and thematic area	Tomato based cropping system
7	Performance of the technology with performance indicators	Pest incidence (%), Pest population, Yield, B:C
8.	Final recommendation for microlevel situation	spraying of Boron (0.1%) at 15, 30 and 45 days after fruit set significantly reduced fruit cracking and increased fruit weight and yield
9	Constraints identified	
10	Process of Farmer Participation	Field visits

Thematic area: Fruit Production

Problem definition: Litchi fruit borer is a prominent pest of Litchi

Technology assessed:
Farmers Practice (FP): Either untreated or spary of any uinsecticide as per the suggestion of other farmer or input dealers
Technology option-I (TO-I): Two sprays of systemic insecticide viz. imidacloprid 17.8 SL @ 0.5-0.7 ml/ L during September at 15 days interval on emerging shoots + Spray of NSKE before flowering to avoid egg laying+ Spary of Novaluron 10 EC @ 1.56 ml/L at clove size + Spray of Emamectin Benzoate 5 SG (0.4 g/L) during aril (pulp) stage+ Last spray of Novaluron 10 Ec @ 1.5 ml/L at about 10 days before expected fruit harvesting.
Technology option-II (TO-II): Deep ploughing of orchard twice a year (just after fruit harvest and in month of November/ December)+ Pruning and destruction of affected twigs twice a year (at fruit harvest stage and at new flush stage i.e September/ October)+ Soil appliocation of 4 kg castor cake + 1 L NSKE per tree in the first fortnight of July+ Spraying of spinosad 45 Sc at new flush stage (September/ October) and at fruit colour break stage (last week of April)

Result: Awaited

OFT 5: Agriculture Engg

1.	Title of On farm Trial	Assessment of improved weeding implements for weeding in gram
2.	Problem diagnosed	Low efficiency and high drudgery of farm labour during conventional weeding in gram.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Khurpi Technology option-I (TO-I): Three tyne Grubber. Technology option-II (TO-II): Three tyne wheel hand hoe
4.	Source of Technology	Dr. RPCAU, Pusa, CIAE-Bhopal
5.	Replication	8
6.	Production system and thematic area	Rainfed, drudgery reduction tools
7.	Performance of the Technology with performance indicators	Field capacity (ha/h), Heart rate (beats/min), weeding efficiency (%) and B:C ratio.
8.	Final recommendation for microlevel situation	A twin wheel hoe or three tyne is preferable to the khurpi
9.	Constraints identified and feedback for research	Farm women feel that mechanization (Weeding) will reduce their mandays
10.	Process of farmers participation and their reaction	Trainings, field visits, field workouts, demos.

Thematic area: Drudgery Reduction

Problem definition: Low efficiency and high drudgery of farm labour during conventional weeding in gram.

Technology assessed: TO-I: Three tyne Grubber, TO-II: Three tyne wheel hand hoe

Result

Table: Performance of weeding implements for weeding in gram

Monitoring Indicator	No. of trials	Technology options		
		Farmer Practices (Khurpi)	T.O.1 (3-tyne Grubber)	T.O.2 (3-tyne Wheel hand hoe)
Heart rate at work (beats/min)	8/treatment	114.4±1.27 (3.58)	136.9± 1.06 (2.99)	124.4± 2.78 (7.88)
Weeding Efficiency (%)		93.9±0.28 (2.5)	70.9±1.10 (9.8)	75.1±1.07 (9.5)
Field capacity (ha/h)		0.002	0.003	0.007
Weeding cost		Rs17,700(59 man-days/ha @Rs300/-	Rs6900(23man-days/ha @Rs300/-	Rs6000(20 man-days/ha @Rs300/-

** Values are means ± standard errors with standard deviation shown in brackets*

Table: ANOVA Analysis for heart rate at work for different subjects with different weeding tools

Source of Variation	SS	df	MS	F	P-value	F table
Between Subjects	202.01	7	28.86	0.83	0.55	2.76
Between weeding tools	2049.03	2	1024.51	30.62	7.72E-05	3.74
Error	468.35	14	33.45			
Total	2719.39	23				

SS= Sum of Squares; df= degree of freedom; MS= Mean Square

The effect of subjects on heartbeat was not found to be significant at 5 % level, as the calculated F ratio was less than its table value. Whereas the effect of different weeding tools on heartbeat per minutes were found to be significant at 5 % level, as the calculated F ratio was more than its table value. From the ANOVA table, it was observed that the differences concerning different subjects were not significant at 5 % level (calculated F-ratio of 0.83 was lesser than table value of 2.76); and also the weeding tools differences concerning subjects were significant (calculated F-ratio of 30.62 was more than its table values of 3.74).

Conclusion and Recommendation:

Conclusion: The weeding efficiency of khurpi was observed highest (93.9%) followed by 3-tyne wheel hand hoe (75.1%) and three tyne grubber (70.9%). In terms of work output, however, the 3-tyne wheel hand hoe is observed to the best (0.007ha/h), followed by the 3-tyne hoe (0.003 ha/h), with the khurpi considerably worse (0.002 ha/h).

Recommendation: Weeding by 'khurpi' is by far the most labour intensive and this outweighs its other advantages. Therefore, from overall consideration a-twin wheel hoe or three tyne are preferable to the khurpi.

OFT 6: Agriculture Engg.

1.	Title of On farm Trial	Assessment of Sugarcane bud chipper/sugarcane single node bud cutter for drudgery reduction
2.	Problem diagnosed	High drudgery and losses of cane involved in manual sugarcane bud chipping by axe
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers Practice (FP): Sugarcane sett cutting by ax Technology option-I (TO-I): Sugarcane bud chipper. Technology option-II (TO-II): Sugarcane bud cutter.
4.	Source of Technology	TNAU, Coimbatore
5	Replication	10
6.	Production system and thematic area	Irrigated, Drudgery reduction tools
7.	Performance of the Technology with performance indicators	Bud chipping capacity (buds/hr), Heart rate (beats/Min), Saving in sugarcane (%), sugarcane germination (%)
8.	Final recommendation for micro level situation	Sugarcane bud chipping is economic in terms of savings in sugarcane.
9.	Constraints identified and feedback for research	-
10.	Process of farmers participation and their reaction	Trainings, field visits

Thematic area: Drudgery Reduction

Problem definition: Low efficiency and high drudgery of farm labour during conventional weeding in gram.
Technology assessed: TO-I: Sugarcane bud chipper, TO-II: Sugarcane bud cutter
Result:

Table: Drudgery reduction using sugarcane bud chipper or sugarcane single node bud cutter.

Monitoring Indicator	**No. of trials**	**Farmer Practices (Sugarcane sett cutting)**	**T.O.1 (Sugarcane bud cutter)**	**T.O.2 (Sugarcane bud chipper)**
Bud chipping capacity (bud/h)	10/treatment	-	451±37.65 (119.9)	393±17.54 (55.5)
Heart rate at work (beasts/min)		130±3.04 (9.6)	110±1.56 (4.8)	114±1.82 (5.8)
Saving in sugarcane (%)		0	66.98	75.93
Sugarcane germination (%)		65	85	93

*Value are means ± standard errors with standard deviation shown in brackets

Table: ANOVA Analysis for heart rate at work for different subjects with Sugarcane sett cutting, Sugarcane but cutter and sugarcane bud chipper

Source of variation	SS	DF	MS	F	P-value	F table
Between Subject	509.87	9	56.65	2.08	0.08	2.46
Between different bud chippers	1896.46	2	948.23	34.86	6.47E-07	3.55
Error	657.87	18	36.54			
Total	2895.87	29				

SS= Sum of Squares; DF=Degree of freedom; MS=Mean Square

The effect of subjects on heartbeat were found non-significant at 5% level, as the calculated F ratio was lesser than its table value. Whereas the effect of different chipping method on heartbeat per minutes were found to be significant at 5% level, as the calculated F ratio was more than its table value.

Conclusion and Recommendation: Saving of sugarcane in sugarcane bud chipper was observed highest (75.93 %) followed by single node sugarcane bud cutter (66.98 %) and manual bud chipping (0%). Sugarcane bud chipping is economic in terms of savings in sugarcane.

OFT 7: Home Science

1	Title of On farm Trial	Evaluation of sugarcane stripper in drudgery reduction
2	Problem diagnosed	Injuries to workers in sugarcane stripping operation
3	Details of technologies selected for assessment/refinement	Farmers Practice: People use local made sickles for stripping operation often causing injury
		TO_1- Sugarcane stripper (IISR, Lucknow)
		TO_2-. Sugarcane detrassing tool (ICAR- Sugarcane breeding institute Coimbatore)
4	Source of Technology	IISR, Lucknow and ICAR- Sugarcane breeding Institute, Coimbatore)
5	Production system & Thematic Area	Drudgery reduction
6	Replication	7
7	Performance of technology with performance indicator	Time, Percentage in injuy reduction
8	Final recommendation for micro level situation	
9	Constraints identified and feedback for research	
10	Process of farmers participation and their reaction	Trainings, Field visit

Thematic area: Drudgery Reduction

Problem definition:Injuries to workers in sugarcane stripping operation

Technology assessed:
Farmers Practice: People use local made sickles for stripping operation often causing injury
TO_1- Sugarcane stripper (IISR, Lucknow)
TO_2-. Sugarcane detrassing tool (ICAR- Sugarcane breeding institute Coimbatore)

Result: Awaited

OFT 8: Home Science

1.	Title of On farm Trial	Assessment of adulteration in milk used by people from different sources.
2.	Problem diagnosed	Adulterants for duping on quality milk; adulterants cause health risks
3.	Details of technologies selected for assessment/refinement	Farmers Practice: Tests for adulterants not practiced by the consumers
		TO_1- Adulterant detection kit (NDDB, Anand)
		TO_2- Adulterant detection kit (NDRI, Karnal)
4.	Source of Technology	NDDB, Anand and NDRI, Karnal
5.	Production system & Thematic Area	Production of quality animal product
6.	Replication	7
7.	Performance of technology with performance indicator	Pre-assessment of knowledge, attitude and practice of farmwomen, interventions, post assessment of knowledge, attitude and practice B: C ratio
8.	Final recommendation for micro level situation	
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	Trainings, Field visit

Thematic area: Production of quality animal products.

Problem definition:Adulterants for duping on quality milk; adulterants cause health risks

Technology assessed:

Result: Awaited

OFT 9: Animal Science

1.	Title of On farm Trial	Low cost Backyard Poultry
2.	Problem diagnosed	Proper body weight not achieved in backyard poultry
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	F.P. Scavenging in backyard poultry T.O. 1: 30 grams maize and 10 grams mustard cakes with scavenging /bird T.O.2 : 30 grams moringa dry leaves and 10 grams earthworms with scavenging/bird
4.	Source of Technology	Directorate of Poultry, Hyderabad
5.	Replication	10
6	Production system and thematic area	Extensive system and poultry production
7.	Performance of the Technology with performance indicators	Live Body weight gain per week, feed consumption
8.	Final recommendation for micro level situation	
9.	Constraints identified and feedback for research	
10.	Process of farmers participation and their reaction	Field visits, trainings

Thematic area: Poultry Production

Problem definition:Low body weight in scavenging poutry

Technology assessed:
F.P. Scavenging in backyard poultry
T.O. 1: 30 grams maize and 10 grams mustard cakes with scavenging /bird
T.O.2 :30 grams moringa dry leaves and 10 grams earthworms with scavenging/bird

Result:

Technology options	No. of trials	Live Body Weight gain (g)						Feed Consumption (g)					
		1st wk.	2nd wk	3rd wk	4th wk	5th wk	6th wk	1st wk	2nd wk	3rd wk	4th wk	5th wk	6th wk
FP	10	64	187	350[a]	670[a]	1043[a]	1361[a]	105	350	750	1360[a]	2100[a]	2900[a]
TO_1		65	193	360[ab]	705[ab]	1157[b]	1535[b]	110	360	775	1440[b]	2350[b]	3250[b]
TO_2		71	199	377[b]	717[b]	1160[b]	1546[b]	110	370	800	1455[b]	2360[b]	3300[b]
SEm ±		3.11	3.80	5.90	11.27	17.27	19.96	4.17	7.86	12.90	22.24	32.62	56.61

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations	No. of farmers
1.	Plant Protection	Fruit production & Pre-harvest	2	10	5	10
2.	Livestock	Poultry production	2	10 birds/treatment	2	10
4.	Agriculture Engineering	Drudgery reduction	4	8 and 10/treatment	18	

3.2 Achievements ofFrontline Demonstrations

A. Details of FLDs conducted during the year
Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/Demonstration								
				Proposed	Actual	SC		ST		Others		Total		
						M	F	M	F	M	F	M	F	T
1	Oats	Fodder Production	UPO 212	2	2	0	0	0	0	17	0	17	0	17
2	Vegetable kits	Nutritional security	Quality Seeds for nutri-garden	20	0.3	0	9	0	0	0	11	0	20	20
3.	Vegetable kits	Nutritional security	Quality seeds for nutria-garden	50 nos.	50 nos.	6	22	0	0	4	24	10	40	50
4	Improved sickle	Drudgery reduction	Improved sickle	20	-	13	3	0	0	2	2	13	5	20
5	Banana	Fruit production	G 9	20 nos.	200 nos.	Resut Awaited								
6	Oyster mushroom	Mushroom Production	Oyster mushroom	10nos.	10 nos.	0	0	0	0	10	0	10	0	10
7	Wheat	Farm Mechanization	Self propelled reaper cum binder	4	4	1	0	0	0	9	0	10	0	10
8	Poultry	Poultry Production	Vaccinated 3weeks Kuroilers	-	504 nos.	7	9	0	0	9	3	16	12	28
9	Sorghum	Fodder Production	Sorghum (CSV 32)	-	2	0	1	0	0	14	0	14	1	15
10	Poultry (SCSP)	Poultry Production	Vaccinated 3 weeks kuroilers	-	750 nos	18	12	0	0	0	0	18	12	30
11	Papaya (SCSP)	Fruit Production	Red lady plants		1000 nos	65	35	0	0	0	0	65	35	100

Details of farming situation

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_2O_5	K_2O					

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.

Performance of FLD

Oilseeds:

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
Rapeseed and mustard	Crop Production	RH 0749, Seed treatment, Herbicides, Micronutrients, Insecticide	105	40	14.1	11.5	22.6	25200	70700	45500	2.8	24800	58075	33275	2.34
Total															

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

Pulses

Frontline demonstration on pulse crops (2022)

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
Pigeon Pea	Crop Production	Seed varity Rajendra Arhar-1, Micronutrients, pesticides, Line sowing, PSB, Rhizobium can Carbendazim	50	20	Crop standing										
Lentil	Crop Production	IPL-316, HYV, micronutrients, seed treatment, biofertilizers, pesticides	50	20	Crop Standing										
		Total	100	40											

* 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
Oats	Fodder production	UPO212	17	2	620	450	38	-	-	35000	62000	27000	1.77	30000	45000	15000	1.5
Vegetable Kits	IIVR	Kitchen Garden	20	0.3	6.53 kg/day	4.6 kg/ day	42	-	-	175	1275	1100	7.3	120	550	430	4.58
Vegetable kits	Household Food security	vegetables	50	1.5	12.5 kg/day	10.6 kg/ day	18	-	-	350	2550	2200	7.2	250	1150	900	4.6
Improved Sickle	Naveen Sickle	Improved Sickle	20	1.0	-	-	-	0.04 ha/day	0.03 ha/day	Rs 300 (sickle)	375 (man-day)	Rs75/day	20-	Rs.100	Rs.300 (manday)	0	-
Banana	Fruit production	G9	20	200 nos.	Result Awaited												
Mushroom	Mushroom Production	Oyster	10	-	32kg/40kg wheat straw	21kg/40kg wheat straw	52.4	-	-	810	4800	3990	5.9	670	3150	2480	4.7
Wheat	Farm Mechanization	Self propelled reaper cum binder	10	4	-	-	-	-	-	3350			-	8000			Savings Rs.4650/ha
Poultry	Poultry Production	Kuroilers	28	504 nos.	2.0 kg live wt.	1.5 kg live wt.	33	-	-	Rs.160/ bird	Rs.400/ bird	Rs.240/ bird	2.5	Rs.180/ bird	Rs.300/ bird	Rs.120/ bird	1.6
Sorghum	Fodder Prtoduction	CSV 32	15	2	420	350	20	-	-	22000	42000	20000	1.9	20000	35000	15000	1.75
Poultry (SCSP)	Poultry Production	Kuroilers	28	504 nos.	2.0 kg live wt.	1.5 kg live wt.	33	-	-	Rs.160/ bird	Rs.400/ bird	Rs.240/ bird	2.5	Rs.180/ bird	Rs.300/ bird	Rs.120/ bird	1.6

Livestock

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

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

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
Mushroom																
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
Total																

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

Women empowerment

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**

Demonstration details on crop hybrids

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

Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl.specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl.specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl.specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1		
2		
3.		

Extension and Training activities under FLD

Sl. No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	20.01.22		31	CFLD (Rapeseed and Mustard) at Khutwaniya
		07.02.23		10	CFLD (Pigeonpea)
		22.02.22		50	CFLD (Rapeseed and mustard) at Narayanpur and Khutwaniya

2	Farmers Training	27.07.22	1	25	Raised bed planting of Pigeonpea at Bindwaliya CFLD (pulses)
3.	Media coverage				
4.	Training for extension functionaries				

Frontline demonstration under Climate Resilient Agriculture Programme (CRAP)

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		Net Return	*BCR	Net Return	*BCR
Kharif 2022											
Paddy	Crop Production	**DSR (ZT+ Drum seeder+ Broadcasting)**									
		Variety Rajshree	42	30.6	42	40	5	53900	1.67	38000	0.9
		Variety R. Mahsuri	42	17	45	38	18.4	60050	1.86	33900	0.77
		Variety R. Bhagwati	5	2	39	28	39.3	47750	1.48	13400	0.31
		Variety R. Neelam	90	30	32	27	18.5	33400	1.03	11350	0.25
		Variety R. Sweta	71	16.36	42	39	7.7	53900	1.67	35950	0.81
		Variety R. Suwasini	55	26	42	35	20	53900	1.67	27750	0.63
Paddy	Crop Production	Alternate Wetting/ drying irrigation in rice Variety R. Mahsuri	90	36	45	38	18.4	60050	1.86	33900	0.77
		Water harvesting and field bunding in rice Variety. R. Neelam	40	16	32	27	18.5	33400	1.03	13400	0.31
Paddy	Crop Production	Community Irrigation Variety R. Mahsuri	15	6	38	35	8.5	45700	1.41	27750	0.63
Paddy	Crop Production	Nutrient expert /green seeker based nutrient management	25	10	42	39	7.6	53900	1.67	35950	0.81
Maize	Crop Production	Raised bed Variety SMH 5522	124	20	65	52	5.8	63300	1.25	27000	0.42
Pigeonpea	Crop Production	Raised bed Variety Rajendra Arhar 1	70	28	Result Awaited						
Summer 2022											
Green Gram	Crop Production	Zero Tillage IPM 2-14	350	100	7.8	7	11.4	27705	2.49	25850	2.45
LLL		Laser Land Leveller	100	40	Laser Levelling of farmers land						

* BCR= Net Return/ Gross cost

Performance of the demonstration under CFLD on Oilseed Crops duringRabi 2021:

Crop 1:Rapeseed and Mustard Rabi 2021-22 (Results)

A. Technical Parameters:

S. N.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	No. of farmers	Area (ha)	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Rapeseed	Panchali	11.5	-2.48	1.21	-12.5	RH0749	105	40	17.5	10.2	14.1	0.85	10.93	-41.25

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.	RH0749 Seed, seed treatment, herbicide, micronutrients, insecticides,	24800	58075	33275	2.34	25200	70700	45500	2.8

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/ house hold)
1.	Rapeseed RH0749	56400	160	45	40	42	Family Need	25

D. Oilseed Farmers' Perception of the interventions demonstrated:

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system (Y/N)	Likings (Varietal Ranking)	Affordability (%)	Any negative effect (Y/N)	Level of technology acceptance to the cluster (%)	Suggestions, for change/ improvement, if any
1	RH0749 Seed, seed treatment, herbicide, micronutrients, insecticides	Yes	Likes the variety	Yes	No	60	NO

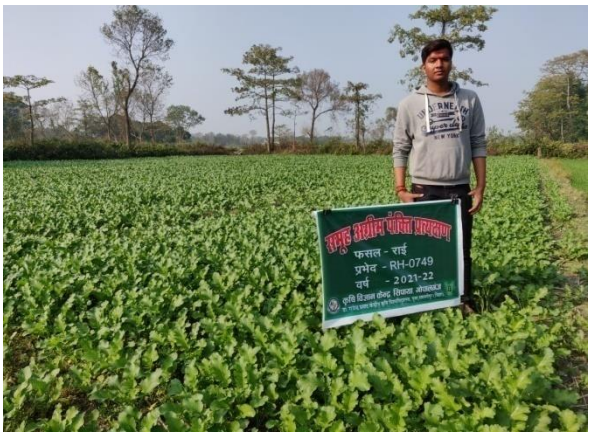
E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Long plant height	Good in timely sown condition	Better	High Yield, high oil content

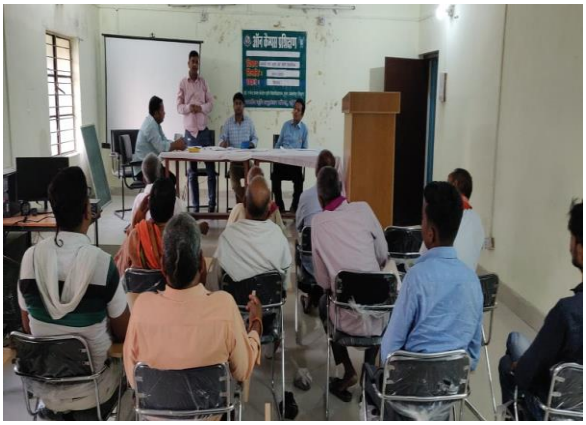
F. Extension activities under FLD conducted:

Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1.	Training	03.11.2021, 05.11.2020 , KVK, Gopalganj	60
2.	Field Visit	26.12.2021Vinod Matihiniya, 14.01.2022 Kala Matihiniya, Vindod Matihiniya, Amwa Vijaypur, 20.01.2022 Khutwaniya, Narayanpur	47
		06.04.22 Crop cutting, Khutwaniya, Narayanpur	10
3.	Field Day	20.01.2022, Khutwaniya	31
		22.02.22 Narayanpur, Khutwaniya	50

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



H. Farmers' Training Photographs



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

J. Details of Budget utilization: :(From 1st April 2021 to 31st March, 2022)

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rapeseed and Mustard	i) Critical input	OB: (-)2,59,971.00 Released: 3,75,171.00	2,07,914.00	(-) 92,714.00
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Return to ATARI, Patna			
	Total	**1,15,200.00**	**2,07,914.00**	**(-)92,714.00**

Crop 1: Pigeonpea Kharif 2022-23

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Noso f 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.	Pigeonpea	Baisakha					Rajendra Arhar-1, Seed, treatment, Biofertilizer, (PSB, Rhizobium), micronutrients (Zn, S), herbicide, insecticide, Raised bed planting	50	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	Rajendra Arhar 1	Crop Standing							

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1.	Pigeonpea Rajendra Arhar-1	Crop Standing						

D. Pulse Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Varietal Ranking)	Affordability (%)	Any negative effect (Y/N)	Level of technology acceptance to the cluster (%)	Suggestions, for change/improvement, if any
1	Rajendra Arhar-1, Seed, treatment, Biofertilizer, (PSB, Rhizobium), micronutrients (Zn, S), herbicide, insecticide, Raised bed planting						

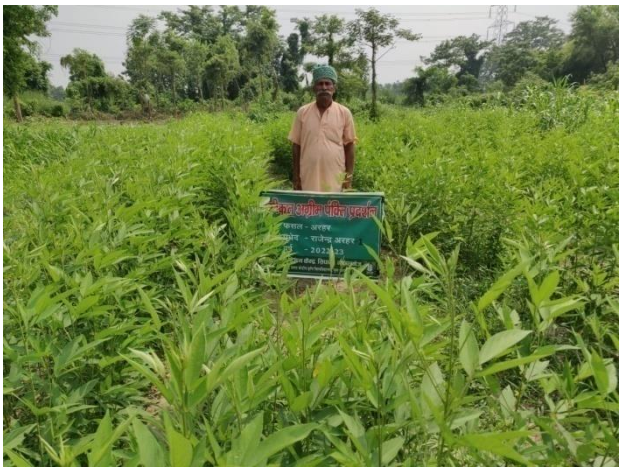
E. Specific Characteristics of Technology and Performance

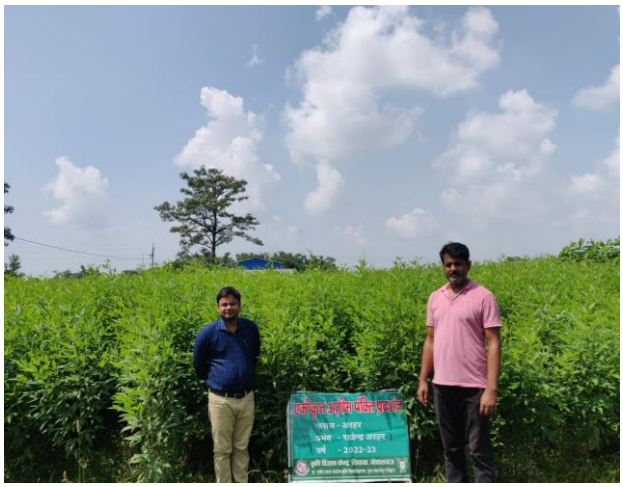
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

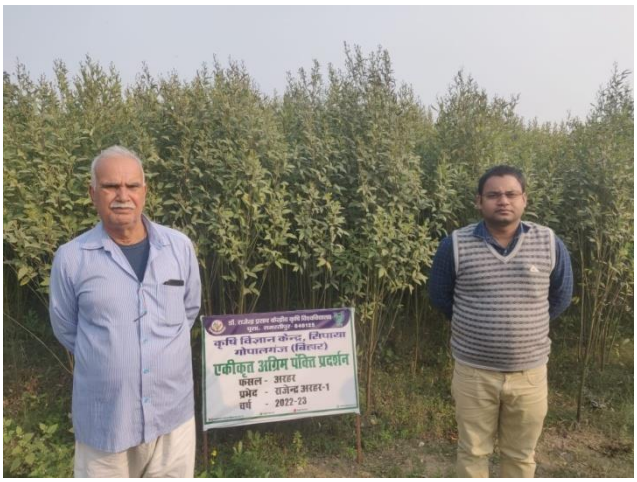
F. Extension activities under FLD conducted:

Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1.	Training	27.07.22 (Raised bed planting of Pigeonpea) at Bindwaliya	25
2.	Field Visit	08.07.22, Dubwaliya	10
		27.07.22, Bindwaliya	20
		21.08.22, Baraipatti	5
		28.09.22, Baripatti	6
		13.10.22, Baraipatti	2
3.	Field Day	07.02.23	10

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

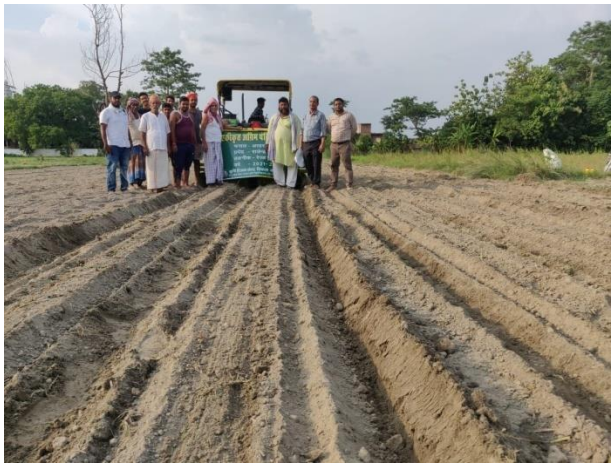


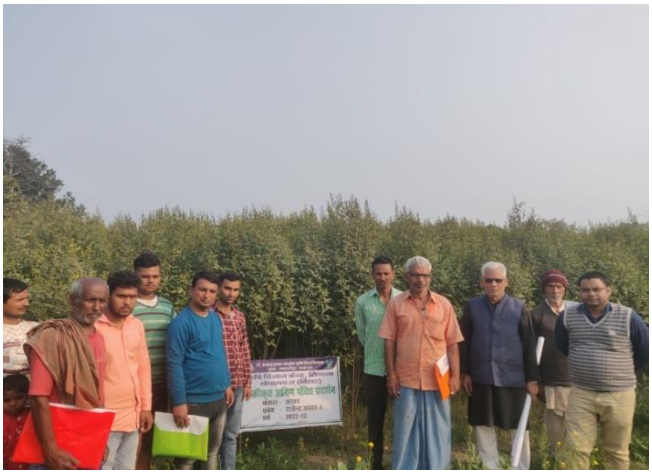


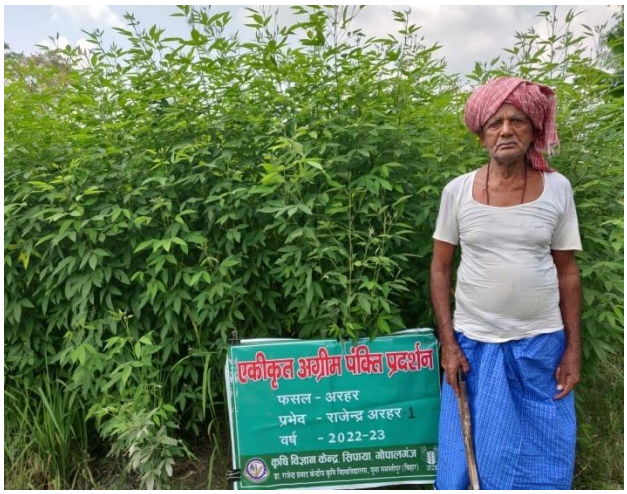


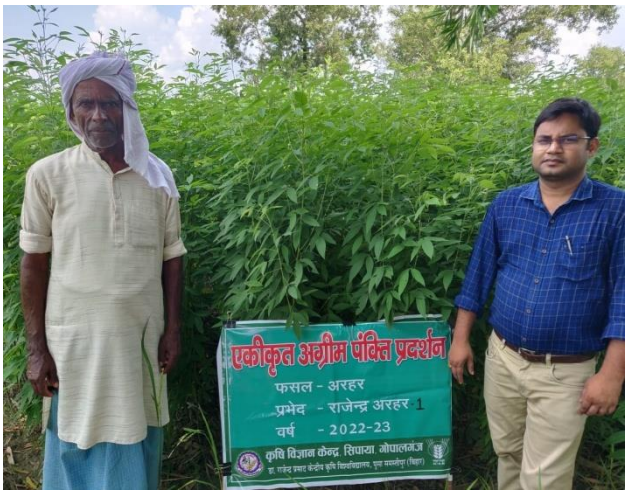
H. Farmers' Training Photographs

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









K. Details of Budget utilization: :(From 1st April to Dec, 2022)

Crop (provide crop wise information)	Items	Budget Estimate (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Pigeonpea	i) Critical input	180000	147565.00	31859
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		576	
	iv)Publication of literature			
	v)Return to ATARI, Patna			
	Total	**180000**	**148141**	**31859**

Rabi 2022-23

Crop 1: Rapeseed and Mustard

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Nos of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Rapeseed	Panchali	Crop standing				Seed (R. Suflam) , treatment, Micronutrients (Zn, S), Bioferilizer (PSB), Herbicide, insecticide	129	50	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									

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/ household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/household)
1.	Seed (R. Suflam) , seed treatment, Micronutrients (Zn, S), Bioferilizer (PSB), Herbicide, insecticide	Crop standing						

D. Oilseed Farmers' Perception of the interventions demonstrated:

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming	Likings (Varietal Ranking)	Affordability (%)	Any negative effect	Level of technology acceptance to	Suggestions, for change/improv

		system			(Y/N)	the cluster (%)	ement, if any
1	Seed (R. Suflam) , seed treatment, Micronutrients (Zn, S), Bioferilizer (PSB), Herbicide, insecticide	Crop standing					

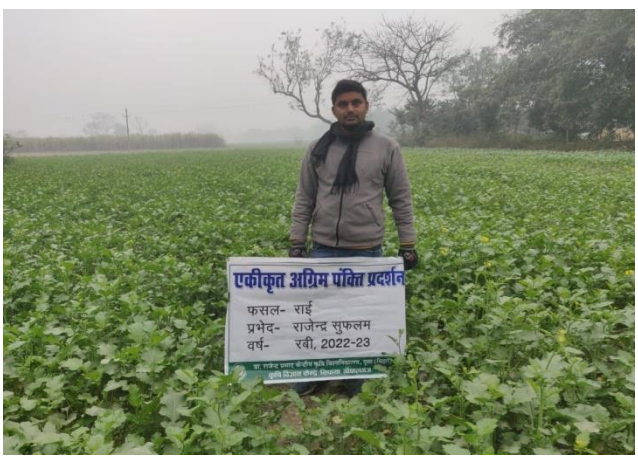
E. Specific Characteristics of Technology and Performance

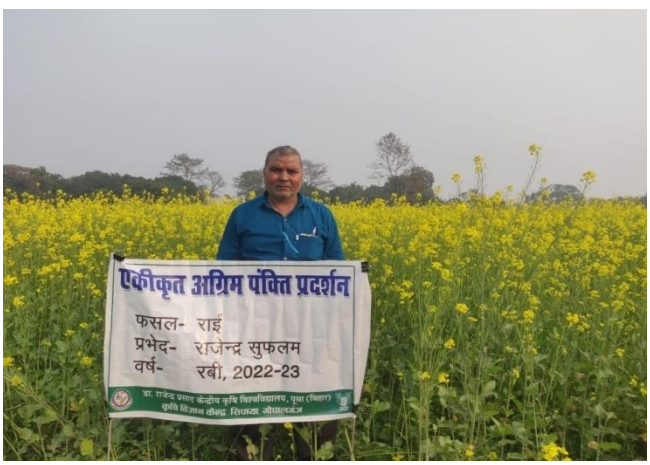
Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback

F. Extension activities under FLD conducted:

Sl. No.	**Extension Activities organized**	**Date and place of activity**	**Number of farmer attended**
1	Training	14.10.22, at KVK	24
		07.11.22, at KVK	30
2.	Field Visit	18.11.22, Binodmatihiniya	5
		23.11.22, Kalamatihiniya	5
		12.01.23, Binodmatihiniya	5
		25.01.23, Kaithwaliya	10
		28.01.23, Naraynapur	10
		07.02.23, Dubwaliya	5
3.	Field Day	05.01.23, Baliwansagar	25
		25.01.23, Kaithwaliya	44
		28.01.23, Narayanpur	27

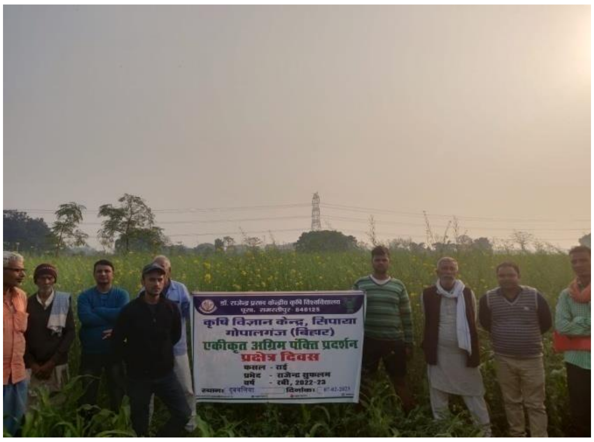
F. Sequential good quality Photographs (as per crop stages i.e. growth & development)

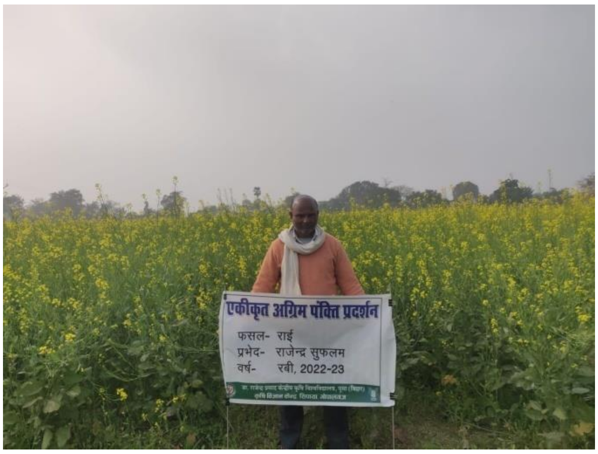


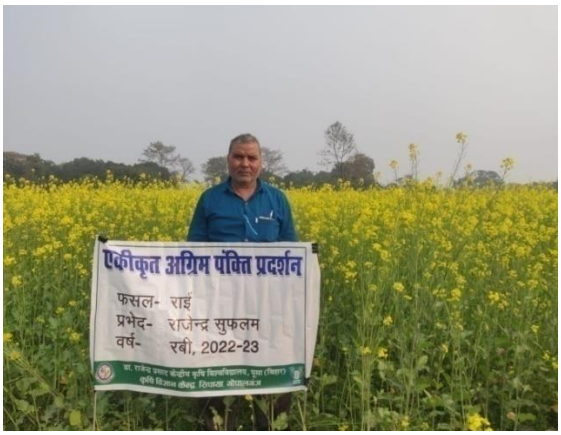


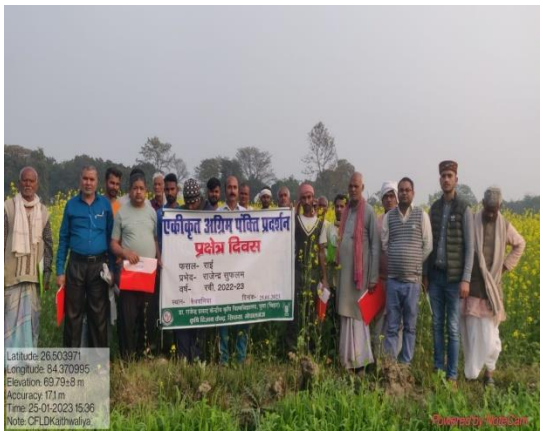
H. Farmers' Training Photographs

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









J. Details of Budget utilization: :(From 1st April to Dec, 2022)

Crop (provide crop wise information)	Items	Budget Estimate (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rapeseed and Mustard	i) Critical input	300000	264775	29437
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		5788	
	iv)Publication of literature			
	v)Return to ATARI, Patna			
	Total	**300000**	**270563**	**29437**

Rabi 2022-23

Crop 2: Lentil

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	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.	Lentil						IPL 220	50	20						

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

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)

D. Pulse Farmers' perception of the intervention demonstrated

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

E. Specific Characteristics of Technology and Performance

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

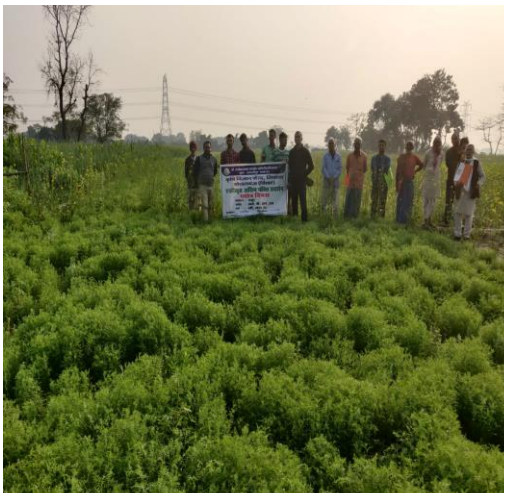
F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Training		
2.	Field visit		

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

H. Farmers' training photograph

I. Quality ActionPhotographs of field visits/field days and technology demonstrated.



J. Details of Budget utilization: :(From 1st April to Dec, 2022)

Crop (provide crop wise information)	Items	Budget Estimate (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input	180000	120340	59372
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)		288	
	iv)Publication of literature			
	v)Return to ATARI, Patna			
	Total	**180000**	**120628**	**59372**

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

A) Farmers and farm women (on campus)

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

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management													
Feed management													
Production of quality animal products													
Others, if any Goat rearing	1	4	5	9	3	13	16	0	0	0	7	18	25
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women	1	0	1	1	3	21	24	0	0	0	3	22	25
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													

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
Women and child care	1	0	9	10	0	22	22	0	0	0	0	31	31
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	2	83	13	96	5	30	35	0	0	0	88	43	131
Small scale processing and value addition													
Post Harvest Technology	1	26	0	26	0	0	0	0	0	0	26	0	26
Others, if any Farm mechanization	8	260	45	305	30	4	34	0	0	0	290	49	339
Others, if any Drudgery reduction													
Others, if any (INM)													
Others, if any (Crop Production)	12	411	82	493	30	10	40	0	0	0	441	92	533
VII. Plant Protection													
Integrated Pest Management	1	29	0	29	4	3	7	0	0	0	33	3	36
Integrated Disease Management													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any Mushroom production	1	12	0	12	0	0	0	0	0	0	12	0	12
Apiculture	1	17	0	17	4	0	4	0	0	0	21	0	21
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	29	842	155	998	79	103	182	0	0	0	921	258	1179

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	40	4	44	4	3	7	0	0	0	44	7	51
Bee-keeping	3	42	41	83	16	0	16	0	0	0	58	41	99
Integrated farming													
Seed production	1	23	1	24	3	0	3	0	0	0	26	1	27
Production of organic inputs													
Integrated crop management													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	45	0	45	7	0	7	0	0	0	51	0	51
Nursery Management of Horticulture crops	1	21	4	25	2	0	2	0	0	0	23	4	27
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	2	59	12	71	4	5	9	0	0	0	63	17	80
Sheep and goat rearing	1	37	0	37	3	0	3	0	0	0	40	0	40
Quail farming													
Piggery													
Rabbit farming													

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
Poultry production	3	95	2	97	23	0	23	0	0	0	118	2	120
Ornamental fisheries													
Enterprise development	4	3	30	33	9	78	87	0	0	0	12	108	120
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Other (Fodder)	1	32	0	32	8	0	8	0	0	0	40	0	40
TOTAL	**20**	**397**	**94**	**491**	**79**	**86**	**165**	**0**	**0**	**0**	**475**	**180**	**655**

C) Extension Personnel (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													
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													

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
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**	**0**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	2	58	2	60	10	2	12	0	0	0	68	4	72
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	2	27	20	47	5	0	5	0	0	0	42	10	52
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Nutrient Management	2	50	0	50	0	0	0	0	0	0	50	0	50
Others, (cultivation of crops)	7	137	42	179	18	3	21	0	0	0	155	45	200
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	21	4	25	0	0	0	0	0	0	21	4	25
Others, if any (Cultivation of Vegetable)	1	15	6	21	4	1	5	0	0	0	19	7	26
Exotic vegetables like broccoli													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards	1	10	15	25	0	0	0	0	0	0	10	15	25
Cultivation of Fruit	1	25	0	25	0	0	0	0	0	0	25	0	25
Management of young plants/orchards	1	14	7	21	3	1	4	0	0	0	17	8	25
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	30	0	30	0	0	0	0	0	0	30	0	30
Plant propagation techniques	1	22	0	22	3	0	3	0	0	0	25	0	25
Others, if any(INM)	1	16	12	28	0	0	0	0	0	0	16	12	28

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
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	52	1	53	2	0	2	0	0	0	54	1	55
Feed management													
Production of quality animal products													
Others, if any Goat farming													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	3	29	32	5	49	54	0	0	0	8	78	86
Design and development of low/minimum cost diet													
Designing and development for high													

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
nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	6	15	85	100	2	51	53	0	0	0	17	136	153
Income generation activities for empowerment of rural Women	4	2	74	76	0	29	29	0	0	0	2	103	105
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	4	6	95	101	0	12	12	0	0	0	6	113	119
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	29	0	29	1	0	1	0	0	0	30	0	30
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology	2	41	4	44	0	0	0	0	0	0	41	4	45
Others, if any Drudgery reduction	2	17	27	44	2	4	6	0	0	0	19	31	50
Farm mechanization	7	191	26	217	17	2	19	0	0	0	208	28	236
Others, if any (INM)													
Others, if any (Crop Production)	12	411	38	449	39	30	69	2	0	2	452	68	520
VII. Plant Protection													
Integrated Pest Management	9	181	20	201	27	0	27	0	0	0	208	20	228
Integrated Disease Management	6	109	10	119	26	1	27	0	0	0	135	11	146
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any (Mushroom Production)													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**66**	**1210**	**453**	**1662**	**131**	**180**	**311**	**2**	**0**	**2**	**1343**	**639**	**1982**

E)RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	2	49	1	50	8	0	8	0	0	0	57	1	58
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													

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
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any (Candle Making)													
TOTAL	**2**	**49**	**1**	**50**	**8**	**0**	**8**	**0**	**0**	**0**	**57**	**1**	**58**

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	22	0	22	3	0	3	0	0	0	25	0	25
Integrated Nutrient management	1	5	21	26	1	3	4	0	0	0	6	24	30
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	42	2	44	3	1	4	0	0	0	45	3	48
WTO and IPR issues													
Management in farm animals													

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
Livestock feed and fodder production													
Household food security													
Women and Child care	1	0	18	18	0	10	10	0	0	0	0	28	28
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	20	0	20	5	0	5	0	0	0	25	0	25
Gender mainstreaming through SHGs	1	7	15	22	1	5	6	0	0	0	8	20	28
Crop intensification													
TOTAL	**6**	**96**	**56**	**152**	**13**	**19**	**32**	**0**	**0**	**0**	**109**	**75**	**184**

G) Consolidated table (ON and OFF Campus)

i. Farmers& Farm Women

Thematic Area	**No. of Courses**	**No. of Participants**									**Grand Total**		
		Other			**SC**			**ST**					
		M	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**	**M**	**F**	**T**
I. Crop Production													
Weed Management	2	58	2	60	10	2	12	0	0	0	68	4	72
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	2	27	20	47	5	0	5	0	0	0	42	10	52
Seed production													
Nursery management													
Integrated Crop Management													
Fodder production													
Production of organic inputs													
Nutrient Management	2	50	0	50	0	0	0	0	0	0	50	0	50
Others, (cultivation of crops)	7	137	42	179	18	3	21	0	0	0	155	45	200
TOTAL	**13**	**272**	**64**	**336**	**33**	**5**	**38**	**0**	**0**	**0**	**315**	**59**	**374**
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)	1	21	4	25	0	0	0	0	0	0	21	4	25
Others, if any (Cultivation of Vegetable)	1	15	6	21	4	1	5	0	0	0	19	7	26

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
TOTAL	**2**	**36**	**10**	**46**	**4**	**1**	**5**	**0**	**0**	**0**	**40**	**11**	**51**
b) Fruits													
Training and Pruning													
Layout and Management of Orchards	1	10	15	25	0	0	0	0	0	0	10	15	1
Cultivation of Fruit	1	25	0	25	0	0	0	0	0	0	25	0	25
Management of young plants/orchards	1	14	7	21	3	1	4	0	0	0	17	8	25
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards	1	30	0	30	0	0	0	0	0	0	30	0	30
Plant propagation techniques	1	22	0	22	3	0	3	0	0	0	25	0	1
Others, if any(INM)	1	16	12	28	0	0	0	0	0	0	16	12	28
TOTAL	**6**	**117**	**34**	**151**	**6**	**1**	**7**	**0**	**0**	**0**	**123**	**35**	**110**
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL	**8**	**153**	**44**	**197**	**10**	**2**	**12**	**0**	**0**	**0**	**163**	**46**	**161**
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													

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
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management													
Poultry Management													
Piggery Management													
Rabbit Management													
Disease Management	2	52	1	53	2	0	2	0	0	0	54	1	55
Feed management													
Production of quality animal products													
Others, if any (Goat farming)	1	4	5	9	3	13	16	0	0	0	7	18	25
Others													
TOTAL	**3**	**56**	**6**	**62**	**5**	**13**	**18**	**0**	**0**	**0**	**61**	**19**	**80**
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening	3	3	29	32	5	49	54	0	0	0	8	78	86
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition	6	15	85	100	2	51	53	0	0	0	17	136	153
Income generation activities for empowerment of rural Women	5	2	75	77	3	53	53	0	0	0	5	125	130
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care	5	6	104	111	0	34	34	0	0	0	6	144	150
Others, if any													
TOTAL	**19**	**26**	**293**	**320**	**10**	**187**	**194**	**0**	**0**	**0**	**36**	**483**	**519**
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems	1	29	0	29	1	0	1	0	0	0	30	0	30
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements	2	83	13	96	5	30	35	0	0	0	88	43	131
Small scale processing and value addition													
Post Harvest Technology	3	67	4	70	0	0	0	0	0	0	67	4	71
Others, if any Farm mechanization	15	451	71	522	47	6	53	0	0	0	498	77	575
Drudgery reduction	2	17	27	44	2	4	6	0	0	0	19	31	50
Others, if any (INM)													
Others, if any (Crop Production)	24	822	120	942	69	40	109	2	0	2	893	160	1053
TOTAL	**47**	**1469**	**235**	**1703**	**124**	**80**	**204**	**2**	**0**	**2**	**1595**	**315**	**1910**
VII. Plant Protection													

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
Integrated Pest Management	10	210	20	230	31	3	34	0	0	0	241	23	264
Integrated Disease Management	6	109	10	119	26	1	27	0	0	0	135	11	146
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any Mushroom Production	1	12	0	12	0	0	0	0	0	0	12	0	12
Apiculture	1	17	0	17	4	0	4	0	0	0	21	0	21
TOTAL	**18**	**348**	**30**	**378**	**61**	**4**	**65**	**0**	**0**	**0**	**409**	**34**	**443**
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths													
WTO and IPR issues													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**108**	**2324**	**672**	**2996**	**243**	**291**	**531**	**2**	**0**	**2**	**2579**	**956**	**3487**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	4	89	5	94	12	3	15	0	0	0	101	8	109
Bee-keeping	3	42	41	83	16	0	16	0	0	0	58	41	99
Integrated farming													
Seed production	1	23	1	24	3	0	3	0	0	0	26	1	27
Integrated crop management													
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements	2	45	0	45	7	0	7	0	0	0	51	0	51
Nursery Management of Horticulture crops	1	21	4	25	2	0	2	0	0	0	23	4	27
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying	2	59	12	71	4	5	9	0	0	0	63	17	80
Sheep and goat rearing	1	37	0	37	3	0	3	0	0	0	40	0	40
Quail farming													
Piggery													
Rabbit farming													
Poultry production	3	95	2	97	23	0	23	0	0	0	118	2	120
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn													

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
culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development	4	3	30	33	9	78	87	0	0	0	12	108	120
Fodder	1	32	0	32	8	0	8	0	0	0	40	0	40
Others if any (ICT application in agriculture) (candle making)													
TOTAL	**22**	**446**	**95**	**541**	**87**	**86**	**173**	**0**	**0**	**0**	**532**	**181**	**713**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops													
Integrated Pest Management	1	22	0	22	3	.0	3	0	0	0	25	0	25
Integrated Nutrient management	1	5	21	25	1	3	4	0	0	0	6	24	30
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements	1	42	2	44	3	1	4	0	0	0	45	3	48
WTO and IPR issues													
Management in farm animals													

Livestock feed and fodder production													
Household food security													
Women and Child care	1	0	18	19	0	10	10	0	0	0	0	28	28
Low cost and nutrient efficient diet designing													
Production and use of organic inputs	1	20	0	20	5	0	5	0	0	0	25	0	25
Gender mainstreaming through SHGs	1	7	15	22	1	5	6	0	0	0	8	20	28
Crop intensification													
Others if any													
TOTAL	**6**	**96**	**56**	**152**	**13**	**19**	**32**	**0**	**0**	**0**	**109**	**75**	**184**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
14.03.22	PF	Cultivation trechnique of summer moong	1	Off	11	14	25	0	0	0
22.04.22	PF	Ratoon management in sugarcane	1	Off	17	8	25	0	0	0
23.05.22	PF	Direct Seeding of Rice	1	Off	25	0	25	0	0	0
24.05.22	PF	Microirrigation with less water in crops	1	Off	24	3	27	3	0	3
25.05.22	PF	Cultivation technique of coarse grain cereals	1	Off	19	6	25	0	0	0
27.05.22	PF	SRI method of Rice cultivation	1	Off	25	0	25	1	0	1
23.06.22	PF	Integrated Weed management in rice (CRA)	1	Off	41	4	45	7	2	9
25.06.22	PF	LCC based nitrogen management in rice	1	Off	25	0	25	0	0	0
27.06.22	PF	Weed management in rice	1	Off	27	0	27	3	0	3
05.07.22	PF	Paddy nursery management for manual transplanting	1	Off	40	10	50	12	3	15
07.07.22	PF	LCC based nitrogen management in rice	1	Off	25	0	25	0	0	0
Plant Protection										
05.02.22	PF	IPM in wheat and ZT in wheat	1	On	33	3	36	4	3	7
21.04.22	PF	IPM in cucurbitaceous vegetables	1	Off	27	0	27	11	0	11
27.05.22	PF	IPM in Sugarcane	1	Off	22	3	25	2	0	2
07.06.22	PF	Management of	1	Off	22	3	25	5	0	5

		insect pest in litchi								
30.06.22	PF	Management of diseases in paddy	1	Off	25	0	25	5	0	5
13.07.22	PF	Management of disease in sugarcane	1	Off	17	8	25	1	0	1
19.07.22	PF	Management of Insect pest of paddy	1	Off	24	1	25	0	0	0
22.07.22	PF	Management of insect pest of Maize	1	Off	15	10	25	1	0	1
04.08.22	PF	Management of diseases in Papaya	1	Off	23	2	25	15	1	16
17.08.22	PF	IPM in pulses	1	Off	25	0	25	0	0	0
18.08.22	PF	IPM in Mango	1	Off	24	1	25	8	0	8
13.09.22	PF	Oyster mushroom production	1	On	12	0	12	0	0	0
20.09.22	PF	Diseases of Tomato and their management	1	Off	26	0	26	0	0	0
13.10.22	PF	IPM under Natural Farming	1	Off	26	0	26	0	0	0
20.10.22	PF	Diseases of wheat crop and their management	1	Off	25	0	25	5	0	5
07.11.22	PF	Safe use of pesticide in Agriculture	1	Off	23	2	25	0	0	0
13.12.22	PF	management of Isectpest of cole crops	1	Off	19	1	20	0	0	0
15.12.22	PF	Importance of Apiculture	1	On	21	0	21	4	0	4
Animal Science										
09.02.22	PF	Reproductive problems in cattle: Control and management	1	Off	29	1	30	2	0	2
26-28thMay, '22	PF	Goat Production	3	On	7	18	25	3	13	16
22.09.22	PF	Lumpy Skin Disease: Its sympoms and prevention	1	Off	25	0	25	0	0	0
Horticulture										
26.02.22	PF	Microirrigation systems in orchard	1	Off	30	0	30	0	0	0
28.02.22	PF	cultivation of vegetables in diara	1	Off	19	7	26	4	1	5
10.03.22	PF	Cultivation of Papaya	1	Off	25	0	25	0	0	0
14.03.22	PF	INM in summer season vegetables	1	Off	16	12	28	0	0	0
16.03.22	PF	Use of shed net for nursery purpose	1	Off	21	4	25	0	0	0
21.04.22	PF	Orchard Planning, layout and planting system	1	Off	10	15	25	0	0	0
28.05.22	PF	Plant propagation techniques in mango and litchi	1	Off	25	0	25	3	0	3
07.06.22	PF	Management of	1	Off	22	3	25	5	0	5

		Insect pest in litchi								
12.07.22	PF	Care and management of newly established mango and litchi orchard	1	Off	17	8	25	3	1	4
Agriculture Engineering										
11.02.22	PF	IPM in wheat and raised bed planting of wheat	1	On	45	3	48	3	1	4
17.02.22	PF	Extraction and storage of vegetable seeds	1	Off	17	3	20	0	0	0
10.03.22	PF	Zero tillage sowing of green gram	1	On	38	6	44	3	0	3
25.04.22	PF	Operation of laser land leveller (CRA)	1	Off	30	6	36	1	0	1
27.04.22	PF	Operation and maintenance of laser land leveller	1	On	70	36	105	5	30	35
04.05.22	PF	Climate resilient practicers for sustainable agriculture	1	On	51	7	58	3	0	3
12.05.22	PF	Stakeholder workshop on laser land leveller for Bhoomi samtalikaran	1	Off	47	3	50	4	0	4
23.05.22	PF	Use of laser land leveller for better yield of crops	1	On	25	0	25	1	0	1
27.05.22	PF	Working function of drum seeder for direct seeding of paddy	1	Off	19	6	25	3	0	3
28.05.22	PF	Direct seeding of Paddy through drum seeder	1	Off	21	4	25	1	0	1
28.05.22	PF	Paddy seeding through SRI method	1	Off	49	1	50	0	1	1
04.06.22	PF	Application of herbicide in DSR	1	Off	39	11	50	10	2	12
07.06.22	PF	Direct sseded rice through drum seeder	1	On	40	10	50	5	0	5
09.06.22	PF	Direct seeded rice through Rice-wheat seeder	1	On	44	6	50	7	2	9
10.06.22	PF	Paddy seeding through DSR method	1	On	38	12	50	5	1	6
14.06.22	PF	Paddy cultivation: Alternate wetting and drying	1	On	26	24	50	2	3	5
15.06.22	PF	Direct Seeded Rice	1	On	35	15	50	6	1	7
23.06.22	PF	Integrated weed management in rice (CRA)	1	Off	39	6	45	5	4	9
05.07.22	PF	Paddy nursery management for manual transplanting	1	Off	40	10	50	12	3	15
07.07.22	PF	LCC based nitrogen	1	Off	25	0	25	0	0	0

		scheduling in rice								
11.07.22	PF	Improved agricultural tools/ equipments for women farmers	1	Off	11	14	25	0	0	0
12.07.22	PF	Use of grubber for drudgery reduction	1	Off	8	17	25	2	4	6
14.07.22	PF	Operation and maintenance of raised bed planter	1	Off	30	0	30	1	0	1
21.07.22	PF	Alternate wetting and drying technique in transplanted rice	1	Off	46	4	50	0	0	0
27.07.22	PF	Post harvest management and storage of wheat	1	Off	24	1	25	0	0	0
02.08.22	PF	Operation and maintenance of paddy transplanter	1	On	18	7	25	0	0	0
09.08.22	PF	Integrated Nutrient Management in Paddy	1	On	50	0	50	1	0	1
02.09.22	PF	Mechanical weed Management in Paddy Crop	1	Off	25	0	25	0	0	0
03.09.22	PF	RCT for sustainable production of cereal crops	1	Off	25	0	25	1	0	1
01.09.22	PF	Climate Resilient Agrciulture Practices for higher crop production	1	Off	25	0	25	0	0	0
06.09.22	PF	LCC based N scheduling	1	Off	25	0	25	1	0	1
07.09.22	PF	IPM in Paddy	1	Off	48	2	50	1	0	1
27.09.22	PF	Use of ICT in Agriculture	1	On	41	9	50	3	2	5
28.09.22	PF	Popularization and Health benefits of Pearl millets	1	Off	36	14	50	3	14	17
14.10.22	PF	Scientific cultivation of mustard	1	On	24	0	24	1	0	1
18.10.22	PF	Raised bed planting of mustard	1	On	50	0	50	3	0	3
27.10.22	PF	Crop Residue Management	1	On	20	0	50	0	0	0
02.11.22	PF	Potato Cultivation and seed Production	1	On	49	1	50	9	0	9
03.11.22	PF	Improved storage structure for rice	1	On	26	0	50	0	0	0
07.11.22	PF	Scientific cultivation of mustard and lentil	1	On	30	0	30	1	0	1
09.11.22	PF	Crop Cutting, data and ZT (Lentil)	1	On	9	41	50	2	2	4
10.11.22	PF	Crop Residue Management (In situ/ex-situ)	1	Off	41	9	50	7	2	9
11.11.22	PF	Long Term Experiment	1	Off	39	11	50	1	3	4
12.11.22	PF	Climate Resilient Agrciulture Technologies	1	Off	39	11	50	6	5	11

18.11.22	PF	Improved irrigation practices for better production of crops	1	On	16	7	50	0	2	2
21.12.22	PF	INM in wheat	1	On	50	0	50	3	0	3
22.12.22	PF	INM in wheat	1	On	50	0	50	2	0	2
Home Science										
15.02.22	PF	value addition of seasonal vegetables	1	Off	6	19	25	0	0	0
05.03.22	PF	Value addition of seasonal vegetables	1	Off	0	25	25	0	4	4
17.05.22	PF	Low cost weaning food	1	Off	6	19	25	0	0	0
25.05.22	PF	Kitchen gardening for growing kharif vegetables	1	Off	6	27	33	5	23	28
28.05.22	PF	Tie and Dye	1	Off	2	23	25	0	6	6
10.06.22	PF	Value addition of mushroom	1	Off	4	21	25	2	18	20
23.06.22	PF	Different types of papad making	1	Off	0	25	25	0	6	6
23.07.22	PF	Paper bag	1	Off	0	25	25	0	13	13
16. 08.22	PF	Book Mark making	1	Off	0	25	25	0	4	4
17.08.22	PF	Value addition of mushroom	1	Off	0	26	26	0	7	7
03.09.22	PF	Low cost weaning food for Pregnant & lactating women	1	Off	0	0	29	0	5	5
24.09.22	PF	Food Adulteration	1	Off	0	32	32	0	0	0
27.09.22	PF	Consumer rights	1	Off	0	27	27	0	7	7
18.10.22	PF	Kitchen gardening for gowing Rabi vegetables	1	Off	2	23	25	0	4	4
20.10.22	PF	Income generation from household waste	1	On	3	22	25	3	21	24
17.11.22	PF	Nutri-Garden	1	Off	0	28	25	0	22	22
18.11.22	PF	Food Adulteration	1	On	0	31	25	0	22	22
02.11.22	PF	Value addition of mushroom	1	Off	0	25	25	0	22	22
16.12.22	PF	value addition of seasonal vegetables	1	Off	7	20	25	0	0	0
Agronomy										
30th June-2nd July, '22	RY	Seed Production of rice	3	On	26	1	27	3	0	3
Plant Protection										
17th to 19th Feb, '22	RY	Mushroom Production	3	Off	27	1	28	7	0	7
23rd to 25th May,'22	RY	Beekeeping	3	On	32	3	35	3	0	3
23rd to 25th June,'22	RY	Scientific method of Beekeeping	3	On	13	22	35	0	0	0
24th Aug to 27th Aug '22	RY	Mushroom Production	4	On	25	0	25	3	0	3
29th Nov to 1st	RY	Scientific Method of Beekeeping	3	On	29	0	29	13	0	13

Dec,'22										
29th Dec to 31st Dec, '22	RY	Mushroom Production	3	On	21	7	28	1	3	4
Animal Science										
15th-17th Feb, 22	RY	Poultry Production	3	On	40	0	40	3	0	3
21st-23rd Feb, 22	RY	Cattle production	3	On	39	1	40	2	0	2
15th to 17th March, '22	RY	Goat Production	3	On	40	0	40	3	0	3
23rd to 25th March, '22	RY	Poultry production (Layer)	3	On	38	2	40	2	0	2
29th to 31st March, '22	RY	Year round fodder prodcution	3	On	40	0	40	8	0	8
21st-23rd Sept, '22	RY	Poultry Production	3	On	40	0	40	18	0	18
28th to 30th Nov, '22	RY	Cattle production	3	On	24	16	40	2	5	7
Horticulture										
14th -19th Feb, '22	RY	Nursery management of horticultural crops	6	On	25	2	27	2	0	2
Agriculture Engineering										
16th Aug to 19th Aug, '22	RY	Operation, safety and maintenance of LLL	4	On	25	0	25	5	0	5
19th to 22nd Oct, '22	RY	Selection, operation, safety and maintenance of harvesting implements	4	On	24	2	26	2	0	2
1st to 3rd Nov, '22	RY	Combine harvester operator	3	On	5	0	5	0	0	0
Home Science										
9th to 11th March,'22	RY	Herbal Gulal	3	On	1	27	28	0	11	11
4th to 8th July, '22	RY	Sewing	5	On	0	35	35	0	35	35
10th to 12th Oct, '22	RY	Candle Making	3	On	11	19	30	5	9	14
19th to 21st Dec, ;22	RY	Herbal Gulal	3	On	4	23	27	4	23	27
Plant Protection										
22.08.22	EF	IPM in fruit crops	1	Off	25	0	25	3	0	3
Horticulture										
11.03.22	EF	Organic farming in vegetable crops	1	Off	25	0	25	5	0	5
18.07.22	EF	INM in horticultural crops	1	Off	6	24	30	1	3	4
Agriculture Engineering										
18.02.22	EF	Conservation tillage for resource management	1	Off	45	3	48	3	1	4

Home Science										
17.02.22	EF	Protein energy malnutrition	1	Off	0	28	28	0	10	10
01.07.22	EF	Enterpreneurial porgramme for SHGs	1	Off	8	20	28	1	5	6

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Nos. of persons employed else where
				Male	Female	Total	Type of units	No. of units	No. of persons employed	
Livestock	Poultry Production	Poultry Production	15th-17th Feb, 22 (3 days)	40	0	40				
Livestock	Cattle Production	Cattle production	21st-23rd Feb, 22 (3 days)	39	1	40				
Livestock	Goat Production	Goat Production	15th to 17th March, '22 (3 days)	40	0	40				
Livestock	Egg production	Poultry production (Layer)	23rd to 25th March, '22 (3 days)	38	2	40				
Livestock	Fodder Production	Year round fodder prodcution	29th to 31st March, '22 (3 days)	40	0	40				
Livestock	Poultry Production	Poultry Production	21st-23rd Sept, '22 (3 days)	40	0	40				
Livestock	Cattle Production	Cattle production	28th to 30th Nov, '22 (3 days)	24	16	40				
Mushroom	Mushroom production	Mushroom Production	17th to 19th Feb, '22 (3 days)	27	1	28				
Mushroom	Mushroom Production	Mushroom Production	24th Aug to 27th Aug '22 (3 days)	25	0	25				
Mushroom	Mushroom Production	Mushroom production	29th Dec to 31st Dec, '22 (3 days)	21	7	28				
Apiculture	Beekeeping	Beekeeping	23rd to 25th May,'22 (3 days)	32	3	35				
Apiculture	Beekeeping	Scientific method of Beekeeping	23rd to 25th June,'22	13	22	35				

			(3 days)							
Apiculture	Beekeeping	Scientific Method of Beekeeping	29th Nov to 1st Dec,'22 (3 days)	29	0	29				
Herbal Gulal	Enterpreneur	Herbal Gulal	9th to 11th March,'22 (3 days)	1	27	28				
Herbal Gulal	Enterpreneur	Herbal Gulal	19th to 21st Dec, ;22 (3 days)	4	23	27				
Sewing	Enterpreneur	Sewing	4th to 8th July, '22 (5 days)	0	35	35				
Candle making	Enterpreneur	Candle Making	10th to 12th Oct, '22	11	19	30				
Seed Production	Enterprneur	Seed Production of rice	30th June-2nd May, '22 (3 days)	26	1	27				
CHC	Enterpreneur	Operation, safety and maintenance of LLL	16th Aug to 19th Aug, '22	25	0	25				
CHC	Enterpreneur	Selection, operation, safety and maintenance of harvesting implements	19th to 22nd Oct, '22	24	2	26				
CHC	Enterpreneur	Combine harvester operator	1st to 3rd Nov, '22	5	0	5				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

S. N.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsor. Agency
							Male			Female			Total				
					PF/ RY/ EF		Others	SC	ST	Others	SC	ST	Others	SC	S T	Total	
1																	
2																	

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

Nature of Extension Activity	No. of Activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ST (% of total)	M	F	Total	M	F	Total
Field Day											
KisanMela	3	550	50	600	10	5	0	5	555	50	605
KisanGhosthi	4	145	51	196	5	8	0	8	162	51	213
Exhibition											
Film Show											
Method Demonstrations											
Farmers Seminar											
Workshop											
Group meetings											
Lectures delivered as resource persons	7	1035	65	1100		8	0	8	1043	65	1108
Advisory Services	342	1335	0	1335	5	5	1	6	1340	1	1341
Scientific visit to farmers field	41	415	11	426	2	41	0	41	456	11	467
Farmers visit to KVK	42	460	128	588	3	0	0	0	460	128	588
Diagnostic visits											
Exposure visits	9	808	154	962	5	4	0	4	812	154	966
Ex-trainees Sammelan											
Soil health Camp											
Animal Health Camp											
Agri mobile clinic											
Soil test campaigns (05.12.22)	1	50	10	60		2	0	2	52	10	62
E-Chaupal											
Celebration of important days (specify)											
Workshop cum training programme under PMKSY (12^{th} May to 20^{th} May, '22)	11	730	151	881	14	55	0	55	785	151	936
Kharif Mahabhiyan (28^{th} May to 9^{th} June, '22)	10	496	189	685	9	70	0	70	566	189	755
Rabi Mahabhiyan (22^{nd} Oct, to 9^{th} Nov, '22)	5	984	64	1048	5	10	0	10	994	64	1058
PM Samman Nidhi Programme (Live telecast) (01.01.22)	1	24	6	30	23	4	0	4	28	6	34
World Pulses Day (10.02.22)	1	25	0	34	16	4	0	4	29	0	29
International Women Day (08.03.22)	1	0	35	35	71	4	1	5	4	36	40
National Nutrition Mission (poshan Pakhwada) (01.04.22)	1	0	50	50	54	4	1	5	4	51	55
National Nutrition Mission (poshan Pakhwada) Traditional recipes (02.04.22)	1	0	24	24	4	5	1	6	5	26	31
Inauguration of LLL (25.04.22)	1	30	6	36	2.7	3	0	3	33	6	39
Kisan Bhagidari Prathmikta Hamari (26.04.22)	1	232	70	302	32	4	1	5	236	71	307
Jal Shakti Abhiyan (25.05.22)	1	37	13	50	14	2	0	2	39	13	52
Farmers awareness campaign on " Efficient & Balanced utilization of fertilizers including Nano fertilizer (21.06.22)	1	45	0	45	9	4	0	4	49	0	49
94^{th} ICAR Foundation Day and Prize distribution Programme (virtual mode) (16.07.22)	1	163	37	200	-	3	0	3	166	37	203
Prabhat Pheri under Theme "Har ghar Tiranga" (12.08.22)	1	30	0	30		3	0	3	33	0	33
National Poshan Abhiyan and tree Plantation Programme	1	78	22	100		2	1	3	80	23	103

(17.09.22)											
PM Kisan Samman Sammelan (17.10.22	1	132	177	309		4	0	4	136	177	313
Jal Shakti Abhiyan Training (09.11.22)	1	53	2	55		2	0	2	55	2	57
Kisan Mela under Jal Shakti Abhiyan (15.11.22)	1	132	118	250	13.6	5	1	6	137	124	261
Krishi Samvad (Bihar Ent. Assoc.) (18.11.22)	1	27	0	27	-	2	0	2	29	0	29
Constitution Day (26.11.22)	1	13	1	14		2	1	3	15	2	17
World Soil Day (05.12.22)	1	40	20	60		2	0	2	42	20	62
Kisan Samman Diwas (23.12.22)	1	86	134	220		3	1	4	89	135	224
Krishak vaigyanik Vartalap (28.12.22	1	44	0	44		3	1	4	47	1	48
Animal Health Camp (15.12.22)	1	16	0	16		1	0	1	17	0	17
Total	**496**	**8215**	**1588**	**9812**	**-**	**274**	**10**	**284**	**8498**	**1604**	**10102**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	50
Radio talks	
TV talks	2
Popular articles	
Extension Literature	
Other, if any	

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
Paddy	R. Saraswati (FS)	131.0					
Wheat	DBW 252 (FS)	165.5					
Pea	HUDP 15 (FS)	1.80					
Rapeseed	R.Suflam (TL)	12.50					
Paddy	R. Saraswati (FS)	160.40					
Sugarcane	R. Ganna 1 (CS)	30.0					
Paddy							
Rapeseed							
Grand Total		501.2					

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 (A)							
Bottle gourd	Hybrid	399	1995				
Sponge gourd	Hybrid	334	1670				
Ridge gourd	Hybrid	60	300				
Cucumber	Hybrid	2290	11450				
Bitter gourd	Hybrid	271	2710				

Papaya	Red Lady	1203	30075				
Cauliflower	Hybrid	600	600				
Cabbage	Hybrid	500	500				
Chilli	Hybrid	1500	1500				
Tomato							
Brinjal							
Cucurbits							
Others							
Total		7157	50800				
Fruits (B)							
Mango		239 kg	6870				
Guava							
Lime							
Litchi		56 kg	1680				
Papaya		435 kg	7830				
Banana							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric	Sonali	390 kg	13650				
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total (B)			30030				
Total (A+B)			**80830**				

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify. (Vermicompost)	4000	20000	Used at farm			
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:

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

ii) Quality Seed Production Reports

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

iii) Financial Progress

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

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	Number	Circulation
Research paper	Relative Toxicity of Soil Insecticides against *Polyphylla* Grubs (Harris) (Scarabaeidae: Coleoptera). *Pesticide Research Journal* 34 (1): 31-34	**Rana Abhishek**, Chandel RS and Verma KS. 2022		
	Biology and morphological description of *Polyphylla sikkimensis* (Scarabaeidae: Coleoptera): a serious root feeding pest. *Biologia* https:doi.org/10.1007/s11756-022-01248-8	**Rana Abhishek**, Chandel RS and Verma KS. 2022		
	Effect of Soil Sterilants on Nematodes, Microarthropods and Soil Mycoflora in Tomato under Protected Conditions. *Pesticide Research Journal* 34 (2) 122-129	**RanaAbhishek**, Chandel YS and Chandel RS. 2022		
	Development of combined resistance muffler for reduced noise of farm tractor. Materials Today proceedings 2022	N. Kumar, V.K. Tewari and S. Kumar		
Seminar/conference/ symposia papers				

Abstracts Accepted				
Books	Detect Food Adulteration with low cost methods published by Jaya Publishing House, Publishers and distributors, Rohini, New delhi-110089	Dr. Anita Gautam and Dr. Neetu Singh		
Bulletins				
News letter				
Popular Articles	Post Harvest Management of mushroom at online International conference on Agriculture, Biological and Life Sciences (ICABLS-2021) organised by Vidya Kutir Foundation, New Delhi	Dr. Sandeep Kumar, Dr. Anita Gautam and Dr. Suneeta Paswan		
Book Chapter	Effect of timely seeding is weakened by poor irrigation and weed management in Gopalganj In: New Frontiers in Agricultural Extension (Volume I) pp 194-198	Ramakrishna Roy, Prabhat Kumar, Mohd. Sajid Hussain and Moben Igantius		
	Better Access to irrigation and hybrids and weed management are best option to improve rice yield in Gopalganj district In; New Frontiers in Agricultural Extension (Volume 2) pp 315-319	Ramakrishna Roy, Prabhat Kumar and Mohd. Sajid Hussain		
	Moringa oleifera (Drumstick) A review on nutritional and its medicinal importance at online International conference on Agriculture, Biological and Life Sciences (ICABLS-2021) organised by Vidya Kutir Foundation, New Delhi	Dr. Anita Gautam, Dr. Sandeep Kumar and Dr. Suneeta Paswan		
	Basic knowledge of essential nutrients your body needs at online International conference on Agriculture, Biological and Life Sciences (ICABLS-2021) organised by Vidya Kutir Foundation, New Delhi	Dr. Suneeta Paswan, Dr. sanjeev Kumar and Dr. Anita Gautam		
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.	Trainings	Capacity Development Programme on "Horticulture commercialization and enterpreneurship development in horticulture"	Dr. Amit Visen , SMS (Hort.)	10.01.22 to 12.01.22 (Online)	ICAR-ATARI, Patna
		Capacity development Programme on "Empowerment of Farm women Enterpreneurs" for SMSs (Home Sc) of Bihar and Jharkhand at DrRPCAU	Dr. Anita Gautam	26.02.22 to 28.02.22	ICAR-ATARI, Patna
		Enhancing crop production through climate smart technologies	Dr. Prithwiraj Dey SMS (Crop Prodn)	28.03.22 to 03.04.22	DrRPCAU, Pusa
		Enhancing crop production through climate smart technologies	Dr. Abhishek Rana SMS (Entomology)	04th to 10th April, 2022	DrRPCAU, Pusa
		Enhancing crop production through climate smart technologies	Dr. Anita Gautam	11th to 17th April, 2022	DrRPCAU, Pusa
		Orientation Programme for newly recruited SMSs	Dr. Prithwiraj Dey Dr. Abhishek Rana	27th to 30th April, 2022	DrRPCAU, Pusa
		One day capacity building programme of newly recruited SMSs to be inducted as Co-PIs	Dr. Abhiushek Rana	6th May, 2022	DrRPCAU, Pusa
		CRA review meeting for Kharif Planning	Dr. Ramakrishna Roy	7th May, 2022	DrRPCAU, Pusa
		Digitization of DFI Success stories (Online)	Dr. Ramakrishna Roy Er. Naveen Kumar	11th May, 2022	ATARI, Patna
		Solar Powered Irrigation System	Er. Naveen Kumar	1st to 3rd June, 2022	BISA, Jabalpur
		Drones for Agrciulture Development (Online)	Dr. Prithwiraj Dey Dr. Abhishek Rana	11th to 15th July, 2022	MANAGE
		Digital Reporting	Dr. Abhishek Rana	20th July, 2022	DrRPCAU, Pusa
2	Webinar	Budget Announcement 2022 on Agriculture (online)	Dr. Ramakrishna Roy Sr. Sc & Head	24.02.22	
		National webinar on Utilization of fruit waste for economic and	Dr. Amit Visen	11.02.22	Uttar Banga Krishi Vishwavidyalaya

		nutritional security (online)			
3	National Conferences	XIIth Biennial National conference of KVKs at YS Parmar University of Hort. And Forestry	Dr. Ramkarishna Roy		
4.	National Seminar	National symposium on Indian Agriculture After Independence	Dr. Ramakrishna Roy Er. Naveen Kumar Dr. Anita Gautam		
5	Workshop	Annual Progress activities of CFLD (Oilseed & Pulses) at Deoghar at Nagar Nigam Auditorium, Deoghar	Dr. Ramakrishna Roy Sr. Sc & Head	7th to 8th March, 2022	ATARI, Patna
		Brainstorming session on climate education for successful implementation of CRA in Bihar	Dr. Ramakrishna Roy Er. Naveen Kumar	24th May, 22	DrRPCAU, Pusa
		OFT workshop for crop production of KVKs under DrRPCAU	Dr. Prithwiraj Dey	4th July, 2022	ATARI, Patna
		OFT workshop for Ag. Engg. of KVKs under DrRPCAU	Er. Naveen Kumar	6th July, 2022	ATARI, Patna
		OFT workshop for Plant Protection of KVKs under DrRPCAU	Dr. Abhishek Rana	8th July, 2022	ATARI, Patna
		OFT workshop for Home Science of KVKs under DrRPCAU	Dr. Anita Gautam	15th July, 2022	ATARI, Patna
		Zonal workshop, Annual Report and Action Plan	Er. Naveen Kumar	5th to 8th Aug, 2022	ATARI, Patna
6.	Meeting	Kisan Mela meeting	Dr. Ramakrishna Roy Sr. Sc. & Head	04.01.22	DoEE, DrRPCAU, Pusa
		FPO Meeting	Dr. Ramakrishna Roy Sr. Sc. & Head	05.01.22	DM Office, Gopalganj
		ATARI, Patna meeting (online)	Dr. Ramakrishna Roy Sr. Sc. & Head	11.02.22	ATARI, Patna
		Computer Programming Meeting	DrRamakrishna Roy Sr. Sc & Head	13.01.22	ATARI, Patna
		Meeting at DM office	Shri Sanjay Kumar SMS (Entomology)	27.01.22	DAO
		CRA meeting	DrRamakrishna Roy, Er. Naveen Kumar	04.02.22	CRA Programme
		Review Meeting of CRA Programme activities by Deptt of Ag, GoI	Dr.Ramakrishna Roy, Er. Naveen Kumar	17.03.22	KVK, Gopalganj
		Review meeting of KVKs (Online)	Dr. Ramakrishna Roy	01.04.22	ATARI, Patna
		Various activities under CRA Programme at DM Office	Dr. Abhishek Rana	11th& 12th April, 2022	DAO, Gopalganj
		CRA impact assessment	Dr. Ramakrishna Roy	12th April, 2022	DrRPCAU, Pusa
		CRA Programme	Dr. Ramakrishna Roy, Dr. Prithwiraj Dey	18th April, 2022	DrRPCAU, Pusa
		Kisan Bhagidari Prathmikta Hamari meeting (Online)	Dr. Ramakrishna Roy	20th April, '22	ATARI, Patna & Director, BAMETI

		Pre-inauguration of laser land levelling programme	Dr. Ramakrishna Roy	22nd April, 2022	ATARI, Patna
		Kisan Bhagidari Prathmikta Hamari	Dr. Ramakrishna Roy	25th April, 2022	ATARI, Patna
		PKVY Meeting	Dr. Ramakrishna Roy	5th May, 2022	ATARI, Patna
		Kharif Planning under CRA	Dr. Ramakrishna Roy Er. Naveen Kumar	25th May, 2022	DrRPCAU, Pusa
		Solar Powered Irrigation System	Er. Naveen Kumar	1st to 3rd June, 2022	BISA, Jabalpur
		District Skill Development	Dr. Anita Gautam	17th June, 2022	District Skill Development Mission
		VIth EEC	Dr. Ramakrishna Roy Dr. Prithwiraj Dey	18th June 2022	Dr. RPCAU, Pusa
		Review meeting for "Interaction with DFI farmers"	Er. Naveen Kumar	14th July, 2022	ATARI, Patna
		ATMA Prabandhan Samiti at DM Office	Dr. Ramakrishna Roy	23rd July 2022	ATMA, Gopalganj
		Bihar Skill Development at DM Office	Er. Naveen Kumar	26th July, 2022	BSDM
		Emerging challenges in Plant Protection of major kharif crops (online)	Dr. Abhishek Rana	13th August, 2022	ATARI, Ludhiana and Dhanuka
		Review Meeting of KVKs	Dr. Ramakrshna Roy Er. Naveen Kumar	4th – 5th November, 2022	DrRPCAU, Pusa
		Fourth Agriculture Road Map	Dr. Ramakrishna Roy Er. Naveen Kumar	3rd December, 2022	DAO Office
		Kisan Vaigyanik Samvad At ICAR-RCER, Patna	Dr. Ramakrishna Roy	6th December, 2022	CRA
		District Level Committee	Dr.		

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

Success Story No.1

Title: Poultry Farming for Prosperity

Name and Address of the Farmer: Sajjad Hussain, Vill: Tiwarimatihiniya, Kuchaikote, Gopalganj

Skylark Poultry Farm is run by Mr. Sajjad Hussain. Asgar Ali motivated him to undergo Poultry training at KVK, Gopalganj

The foundation of Skylark Poultry Farm was laid at beside Sipaya Dhala on 15th June, 2019 and started on 20th July, 2020. He invested an amount of Rs. 55 lakhs for cages and machinery.

He buys the chicks from Panipat, Haryana because it is disease free and requires very less care.

Feed is given twice a day. On an average a single bird consumes 100-110 gram feed per day. "When it is a chick it eats 60 g/day but as it grows the feed consumption increases. While laying eggs it consumes 100-110 g/ day" he clarifies. Feed is purchased from the best company. It costs Rs1345 for 50 Kg bag.

Expenses: The major expense is on feed. He mixes 250 kg concentrate, 235 kg corn and 15kg shell grit. All these ingredients make half ton feeed. For type two he ixes 175 kg concentrate, 250 kg corn, 40 kg Deoiled Rice Bran, 35 kg shell grit and 750 gram toxin binders. Farm made feed is superior in quality and reduces the production cost. My farm is small so just in one hour the feed gets ready" he shares. " Eggs are collected between 1-4 p.m., it takes one hour to collect all the eggs. On average one bird lays 300 eggs per year. Eggs are sold everyday in the local market while once in week it is sent to the wholesale market in Gopalganj. Egg has a shelf life of more than two weeks because these eggs are infertile; therefore it is viable to send one full vehicle (mini truck) to the wholesale market.

1 box market rate= Rs. 1260/box (1 box= 210 eggs)

Total income/ day = Rs.28 X 1260 =Rs. 35280

Total expenditure/ day= Rs. 25,280 (food, medicines and 2 man day)

Net income/ day= Rs. 35280- Rs.25, 280= Rs. 10,000

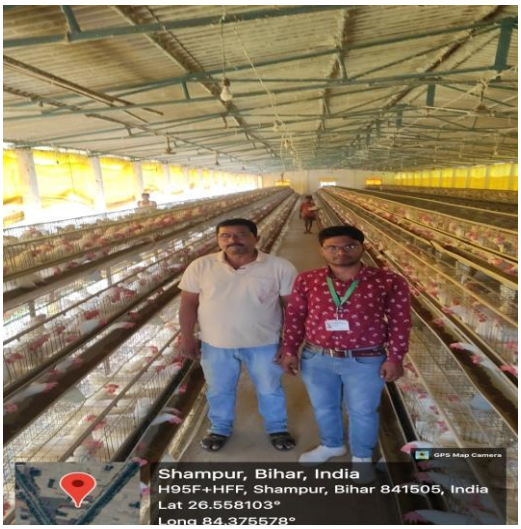
Net income/month = Rs10, 000 X 30 = Rs.3, 00, 000

Total net income/year= 3, 00,000 X 12 = Rs. 36 lakhs

Hence the total investment could be covered in less than two years.

The entire stock is changed every year. The spent hens are sold to the trader who specializes in buying spent hens. These spent hens are sold at lesser rates than the broilers. It is sold at Rs. 100 per bird which weighs approx. 1.5 kgs.

Flock Size; 6300 nos.



Success Story No. 2

-

1.Title of success story: - Broiler farming sustains family
2. Name and address of the farmer: DevataNand Yadav
S/o Rajalal Yadav , Village- Pokhara Binda
Block – Kuchaikote, Gopalganj Bihar
3.Background: Poultry farming has the potential to alleviate rural poverty, eradicate malnutrition and create employment opportunities too. Bihar has traditionally been a consumer state for non - agriculture produce, especially eggs and fish. In the light of its image of being a backward state, its growth rate of 44.72 per cent per annum in poultry production has managed to draw attention and create quite a stir pan India.The current yearly growth rate of the poultry industry in Bihar is four times higher than the national average. A farmer switched to broiler poultry farming from Engineering to have consistent, better earnings and to became a self – reliable business man with his great employment idea for locals. Devata Nand Yadav decided to start a broiler poultry farm by self-motivation. After getting trained on broiler management at KVK Sipaya, hesetup broiler poultry farm highlighting the benefits Mr. Yadav says, The farm is located beside Sipaya dhala Yadav poultry farm was established on 15 Feb 2021. He has invested Rs 5 lakhs. He prefers buying 2000 DOC from the nearest supplier.

Area for making poultry farm –
Length – 110 feet
Width – 25 feet
The chick price is Rs 40 per chick.
The broilers are sold in the local market
Currently he rears 2000 broilers
1 broiler chick market rate – 40
Total cost for purchasing chick- 40*2000 = 80,000
For medicine –Rs. 4000 per cycle
Average feed cost per day – Rs. 2500
Total charges for feed =2500*50=Rs. 125,000
Average rate for a live broiler –Rs. 160
Total market price for 2000 broiler- 2000*160=320,000
Total cost for management of 2000 broilers=
80,000+4000+125,000=Rs. 209000
Total earnings= Rs. 320000-20900= Rs. 1,11,000 per cycle
Resources possessed: -
Expenditure on establishment -5 lakhs
Varieties – Venkys (Venkobb) chick
Brief Highlight of Success: Mr. Yadav have done properly management and thoroughly vaccination of chicks.
Horizontal spread: He wants to be independent and aims to be a role model for his fellow farmers.
He encourages the youth to take up agriculture and allied activities such as fish farming near poultry farm.

Success Story 3

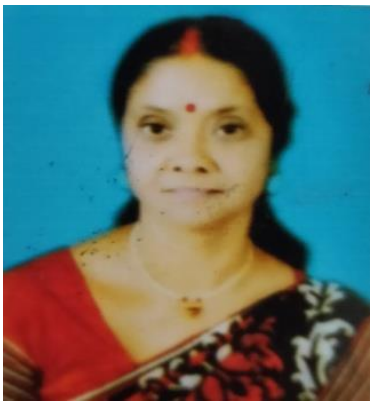
Title of success story: A tech graduate sets up poultry enterprise
Name and address of the farmer: Md. Naseem, Tiwarimatihiniya, Kuchaikote
Background:A **B.tech student** from Hyderabad, the layer farms in and around Hyderabad motivated him to go for layer farming. Partnering with his elder brother he invested a sum of Rs. 80 lakhs in February 2017 for setting up a 112 ft X 39 ft, 6500 nos. flock size layer farm at Tiwarimatihiniya.



Brief Highlight of Success: In the first cycle he earned a net profit of Rs. 18 lakhs, the second cycle he earned a net profit of Rs.7 lakhs due to Covid pandemic.
Horizontal spread: various persons such as Gautam kumar, Sahzad Hussain and Azgarmukhia got motivated.

Success story 4

Title: Ahousewife supports family through mushroom production



Name and Address of the farmer: Smt. Rekha Kumari, Village: Hathua, Block: Hathua, District: Gopalganj, State: Bihar

Background: Smt. Rekha Kumari, a matriculate has two acres of land insufficient to support her family. She approached the Krishi Vigyan Kendra thereafter underwent training to grow mushroom and various mushroom products. She also got active support from Dr.RPCAU, Pusa in exposure, training, value addition and marketing. She has laminar flow, autoclave and air condition mushroom production unit to grow mushroom to produce mushroom throughout the year in air-condition where temperature and humidity are regulated. For button mushroom she prepares compost through short cut method (pipe method) which has been popularized by the university and practiced by majority of farmwomen. She produces and markets fresh mushroom, dried mushroom powder, mushroom pickles, samosas, mushroom biscuits, cookies and various other products. She has also learnt preparation of "Herbal gulal" from the KVK which she produces and markets at stalls in melas.

Achievement:

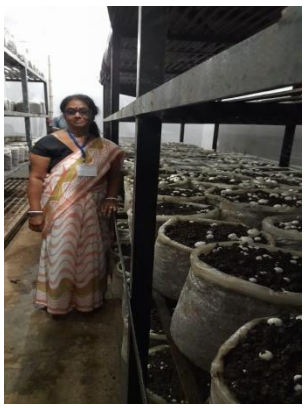
She underwent training on "Button Mushroom Production and Processing" at DrRPCAU, Pusa from 26th October, to 2nd November, 2018. She produces and markets mushroom produce and earns two lakh rupees annually.

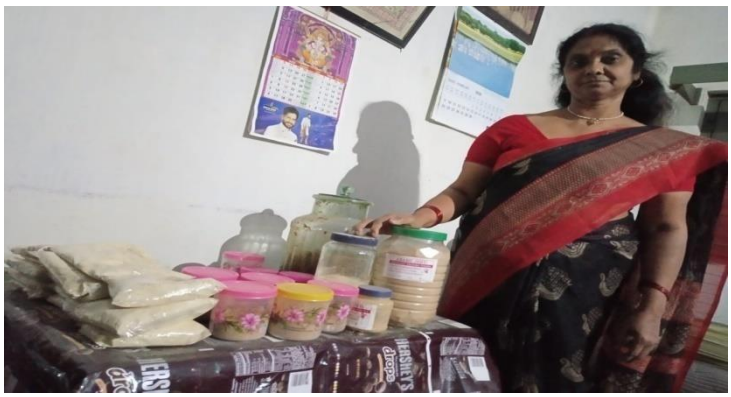
Horizontal spread:

She is an active member of Anand Jyoti Mushroom Utpadak Khadya Suraksah samooh which is involved in popularizing mushroom production and products among women farmers.

Recognition:

Appreciation in popularizing Mushroom production among farmwomen on the occasion of women day by KVK, Gopalganj in 2020. She has got awarded by ATMA, Gopalganj for stall at Krishi melas.





Success Story 5

Title: Mixed Farming by farmwomen provides nutritional and financial security to the family

Name and Address of the farmer: Smt. Anita Devi, Vill: Kalamatihiniya, Block: Kuchaikote, District: Gopalganj, State: Bihar

Introduction: Smt. Anita Devi a matriculate, marginal women farmer has to support a family of five members. KVK, Gopalganj motivated her to produce vegetables for her family as well as to sell seedlings to other households. Rural women generally have less access to some vegetable seeds which are available in market in large packets at unaffordable prices. The research institutes such as Indian Institute of Vegetable Research, Varanasi or National Seed Corporation (NSC) have made small packets of various seeds suitable for kitchen garden which are provided to the women farmers by KVK for setting up "Poshan Vatika". She is growing methi, spinach, amaranthus, radish, carrot, cauliflower, chillies, brinjal, tomatoes, okra, cucurbits etc. She has mango orchard in 0.2 acre and she grows vegetable seedlings and poshan vatika in another 0.2 acre. She also rears three buffaloes to augment her income.

Achievements: Sale of vegetable seedlings provides her a net income of forty thousand rupees annually. From the "Poshan vatika" she reaps about 7-8 kgs of vegetables every day enough to meet the vegetable requirement of the family. Buffalo rearing provides net incomer of rupees eighty thousand annually.

Horizontal Spread:

Many women farmer of her village such as Arti Devi, Priti Devi, Krishnawati devi, lakshmina Devi, Nagmati Devi and others have taken up "poshan Vatika" and providing nutritional security to families.

Poshan Vatika and Nursery

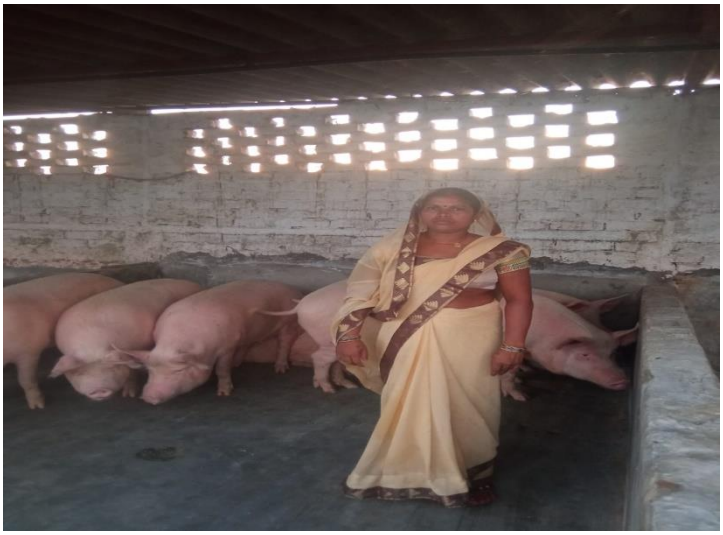
Success Story 6

Title: Pig Farming for Livelihood

Name and Address of the farmer: Smt. Suman Devi, Vill: Pandey Parsa Block: Phulwariya, District: Gopalganj, State: Bihar

Background: Smt. Suman Devi, a matriculate, almost landless women farmer has to support her family. She chose pig production. She rears 105 pigs of White Yorkshire at her farm. She feeds them with Maize for fattening. Pigs reproduce prolific and there are 12 piglets in one litter. Piglets usually suffer from piglet anaemia for which she provides Iron supplements. Pigs so produced are easily marketed in local area. She says that marketing pork is not a problem at all. However, she wants to gain access to the North-East states where she can sell them at higher price.

Achievements: While pig farming is considered a taboo she went against all the odds and started rearing pig. She is a role model for other women of her village who can take up any enterprise to support the family. She earns Rupees three lakhs annually.



Success Story 7

Title: Multiple Cropping for prosperity

Name and Address of the farmer: - Dr. Ali Akbar Rizwi
Village: - Deoria District: Gopalganj Pincode:841428
Area: - 10 acres(4 hectares)
Background: Dr. Ali Akbar Rizwi is a progressive farmer from Village Deoria, Gopalganj.He is a doctor(physiotherapist) by profession.He started his farming from 2016 and before that he was serving as a doctor in northeast.. Before that he has given his land in contractual basis for farming in which he is not getting sufficient earning.He started to work in the farm from 2016 and it's been 5 to 6 years he has succeeded to a great extent. His farm is fully scientifically well managed and has a good productivity. He follows intercropping and multi-cropping system in his farm. He grows sugarcane, potato, mustard potato,mustard,maize,wheat,ginger, bottle gourd as a major crops and carrot,bitter gourd,tomato,elephant foot yam,etc

Area wise distribution of his crops:

Crop	Area (acres)	Cost of cultivation	Net Income (Rs.)
Potato	3.5	70,000	3,30,000
Maize	3.5	25,000	1,75,000
Mustard	1.5	10,000	60,000
Sugarcane	1.0	30,000	90,000
Ginger	0.75	31,000	2,00000
Bottle gourd	1.5	10,000	2,00000

He has also planted some medicinal plants like pipal herb,green chiretta,satawar and many more for his personal use.

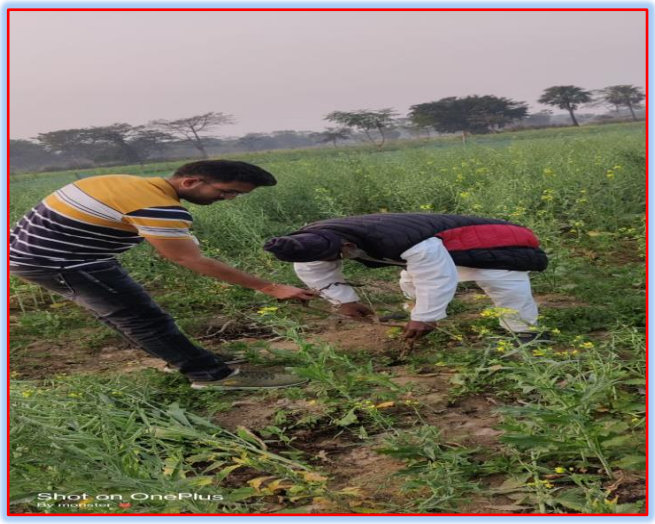
Resources Possessed: Different machinery: -He has one tractor, plough,2 motor machine,cultivator,tawa & raser , one tube well for irrigation
.Achievements: -

Good benefit from the farm and promoting organic farming

Contributing Factors for The Success of Enterprise: -

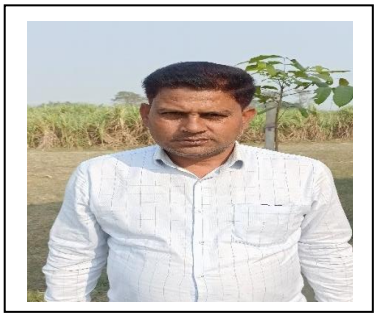
a)proper time management
b)proper use of resources
c)giving optimum and balanced fertilizer
d)replacing organic manure in place of fertilizer
e)promoting organic farming

Horizontal Spread: He encourages the youth to take up agriculture and allied activities such as IFS(integrated farming system)
Brief Highlight of Success: He is following the intercropping and multi-cropping system and growing vegetable crops which is giving more earning to him.For example-Ginger,bottle gourd,tomato, etc.
He also has medicinal plants in his farm.



Case Study 1

Timely Diagnosis and Treatment saves Poultry farmer from ruin



Name and Address of the Farmer: Umesh Yadav, S/o Ramanand Yadav, Village: Sipaya , Kuchaikote, Gopalganj
Background: After getting motivated by his friend Azgar Ali he underwent Poultry training programme at KVK, Gopalganj and invested Rs. 55 lakhs to set up a poultry layer farm on 18th June, 2021. California cages were set up to accommodate layer birds and machinery. "In layers there is no drastic price fluctuation in the market as wholesale rates remain more or less constant. It is less competitive than broiler because now many corporate are involved in broiler poultry business, their production cost is less than farmers due to economics of scale" he says.
Expenses: The major expense is on feed. He mixes 250 kg concentrate, 235 kg corn and 15kg shell grit. All these ingredients make half ton feeed. For type two he ixes 175 kg concentrate, 250 kg corn, 40 kg Deoiled Rice Bran, 35 kg shell grit and 750 gram toxin binders. Farm made feed is superior in quality and reduces the production cost. My farm is small so just in one hour the feed gets ready" he shares. " Eggs are collected between 1-4 p.m., it takes one hour to collect all the eggs. On average one bird lays 300 eggs per year. Eggs are sold everyday in the local market while once in week it is sent to the wholesale market in Gopalganj. Egg has a shelf life of more than two weeks because these eggs are infertile; therefore it is viable to send one full vehicle (mini truck) to the wholesale market.
1 box market rate= Rs. 1260/box (1 box= 210 eggs)
Total income/ day = Rs.28 X 1260 =Rs. 35280
Total expenditure/ day= Rs. 25,280 (food, medicines and 2 man day)
Net income/ day= Rs. 35280- Rs.25, 280= Rs. 10,000
Net income/month = Rs10, 000 X 30 = Rs.3, 00, 000
Total net income/year= 3, 00,000 X 12 = Rs. 36 lakhs
Hence the total investment could be covered in less than two years.

The entire stock is changed every year. The spent hens are sold to the trader who specializes in buying spent hens. These spent hens are sold at lesser rates than the broilers. It is sold at Rs. 100 per bird which weighs approx. 1.5 kgs.

The business is lucrative when the person himself is involved wholeheartedly in routine operation. A single negligence and the disease like Newcastle Disease occurs leading to high mortality. If the individual is ready to work sincerely then lucrative returns are guaranteed in poultry business" he opines.

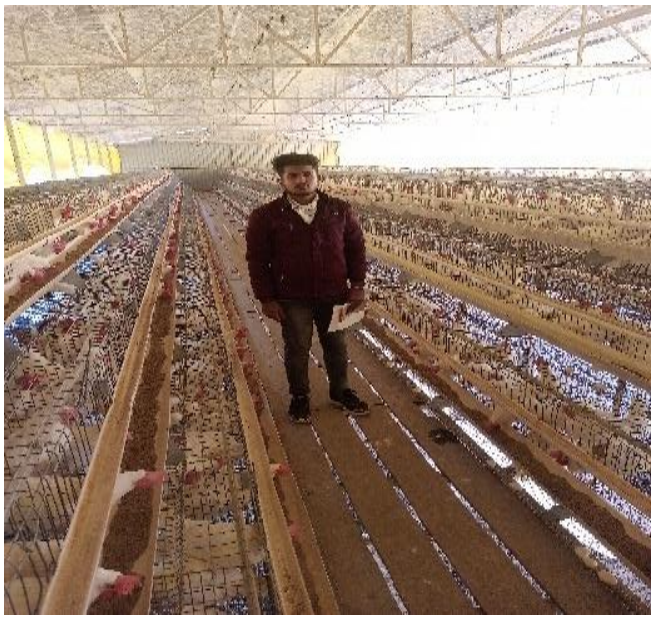
Problem Encountered: Within a week he realized a mortality of 500 birds. He visited KVK, Gopalganj for proper diagnosis and advice.

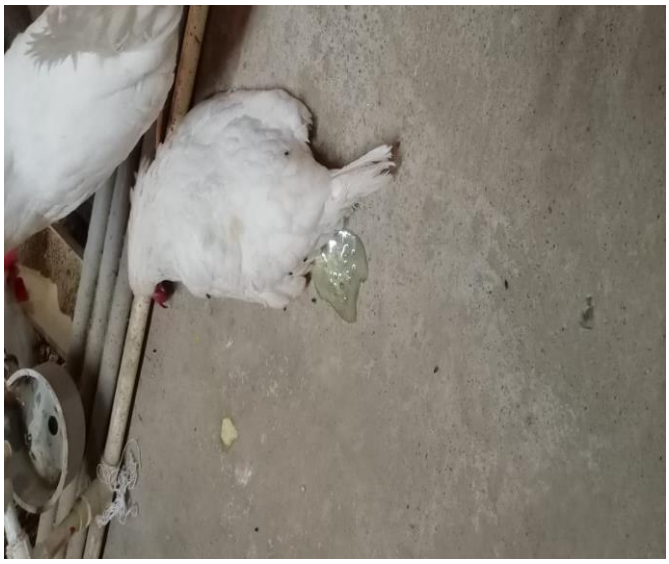
Diagnosis: On Post-mortem, petechiae heamorhhages were noted in the proventriculus pointing to Newcastle Disease. Since Vaccination (F1, Lasota and R_2B)had been practiced by the farmer hence vaccine failure was suspected. On further discussion with the farmer it was noticed that proper cold chain was not followed, hence the disease occurred.

Treatment: Disinfection, Sanitation and hygiene with Virkon-S was suggested, Supplementation of Vitamins and minerals and proper disposal of dead birds.

Following treatment the mortality subsided and the continued income during winter months due to high egg prices was realized.

" Once a loss in any agriculture or allied enterprise is realized by the farmer he demotivates the other farmers as well, hence handholding of the farmer in the initial stage is important so that the farmer continues with the enterprise and the other farmer gets motivated as well" the Senior scientist and head of the KVK opines.





1.8. 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 Soiland Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.
1	Mridaparikshak	1 nos.

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
10	Nil				Nil

3.11.c. 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.	Celebration of world soil day	60			10	60

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	Visit by the officials

3.13. Technology week celebration

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

3.14. RAWE/ FETprogramme - is KVK involved? (Y/N) Yes

No of student trained	Institute	Roll No.	No of days stayed
11			Period (From___TO___)
1. Shri Tushar Kashyap	Chandigarh Group of colleges	1928887	20th Oct to 14th Dec,2022
2. Shri Rohitash Meena	TCA Dholi, DrRPCAU, Pusa	1901101018	5th Nov. to 25th Dec, 2022
3. Shri Shoyab Akhtar	TCA Dholi, DrRPCAU, Pusa	1901101066	5th Nov. to 25th Dec, 2022
4. Shri Soumya Ranjan Dash	TCA Dholi, DrRPCAU, Pusa	1901101072	5th Nov. to 25th Dec, 2022
5. Shri Rajesh Prajapat	TCA Dholi, DrRPCAU, Pusa	1901101076	5th Nov. to 25th Dec, 2022
6. Atul Garg	TCA Dholi, DrRPCAU, Pusa	1901101081	5th Nov. to 25th Dec, 2022
7. Mahendra Pratap Singh	TCA Dholi, DrRPCAU, Pusa	1901101088	5th Nov. to 25th Dec, 2022
8. Kishan Lal	TCA Dholi, DrRPCAU,	1901101095	5th Nov. to 25th Dec, 2022

Gurjar	Pusa		
9. Jagmohan Singh Lodha	TCA Dholi, DrRPCAU, Pusa	1901101096	5th Nov. to 25th Dec, 2022
10. Yudhisthir Bhanwariya	TCA Dholi, DrRPCAU, Pusa	1901101102	5th Nov. to 25th Dec, 2022
11. Guru Siddhartha	TCA Dholi, DrRPCAU, Pusa	1901101104	5th Nov. to 25th Dec, 2022

ARS trainees trained	No of days stayed

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

Date	Name of the person	Designation	Purpose of visit
17.01.2022	Shri Gaurav Kumar Mishra	Mahatma Gandhi National Fellow, Ministry of Skill Development & Enterprenurship	For seeing the activities of KVK
22.02.22	Dr. Man Singh	Director, Directorate of Rice Development, Ministry of Agriculture & Farmers; welfare, Patna	Monitoring visit of CFLD (oilseed and pulses)
01.03.2022	Shri Deendayal Pandey,	Vishnu Sugar Mill, Gopalganj	For Training
02.03.2022	Shri Chandrabhan Rai	Programme Officer, MNREGA	For MNREGA work at KVK
02.03.2022	Saheb Yadav	District Programme Officer, MNREGA	For MNREGA work at KVK
17.03.2022	Dr. N. Sravana Kumar,	Agriculture secretary, GoB	CRA monitoring visit
29.03.2022	Shri Mankeshwar Kumar	Sr. Deputy Collector (Probationary)	Photography of KVK activities for Thawe festival
01.04.2022	Smt. Sobha rani	CDPO, Kuchaikote	Poshan pakhwada
05.06.2022	Dr. Rameshwar Singh	Vice-Chancellor, Bihar Animal Sciences University, Patna	KVK Visit
20.06.2022	Bhudeo Rana Yashu	SDAO, Hathua	KVK Visit
13.07.2022	Himanshu Kumar Rai	Additional Secretary, Animal Husbandry, GoB	KVK Visit
21.08.2022	Dr. N.K. Singh	Prof. & Head, PBG & Assoc. Director Research, DrRPCAU, Pusa	CRA Visit
13.10.2022	Dr. Ratnesh Kumar Jha	Prof. (Agronomy), & Project Director, CASCC	CRA Visit
15.11.2022	Md. Neyaz Ahmad	Distt. Horticulture Officer, Gopalganj	Jal Shakti Abhiyan
18.11.2022	Shri Ankit Abhishek	Bihar Enterpreneur Association, Patna	For Krishi Samwad with Progressive farmers
01.12.2022	Er. Reyaz Ahmad	Ex-PC, KVK, Gopalganj	KVK Visit
28.12.2022	Dr. Zahid Hussein	Distt. Animal Husbandry Officer, Gopalganj	Participation in Krishak Vaigyanik vartalap
28.12.2022	Bhudeo Narayn	SDAO, Hathua, Gopalganj	

	Yashu		
28.12.2022	Miss. Renu Kumari	Deputy Project Director, ATMA, Gopalganj	

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	Mushroom Production
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms	

of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agriculture Department	Meetings, trainings, joint implementation, contingent plan, technical support.
2. ATMA, Gopalganj	Meetings, Exposure visits, Trainings
3. District Sugarcane Department	Trainings
4. NABARD Gopalganj	Trainings, exposure visits, FPOs
5. Lead Bank (CentralBank, Gopalganj)	Trainings, Meeting and farmer schemes
6. District Rural Livelihoods (Jeevika)	Meetings, Trainings
7. District Animal Husbandry Department	Meetings
8. District Fisheries Department	Meetings
9. District Horticulture Department	Meetings, Mushroom training
10. District seed Farm, Sipaya	Technical support
11. NHM, DrRPCAU, Pusa	Financial assistance for training, seed production, nursery development
12. Directorate of seed and Farm, TCA, Dholi	Seed production, seed sale, source of seed, seed reviews
13. SRI, Pusa	Seed Production, sugarcane
14. IFFCO, Gopalganj	Trainings
15. BSSOCA, Patna	Trainings
16. Biscomaun	Fertilizer requirement for farm

5.2. List of special programmes undertaken during 2021by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

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

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Yr. of estt.	Area (Sq.m)	Details of production			Amount (Rs.)		Remarks
				Variety/ breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Vermi-compost	2008	35	E. fetida					Training and demo
2.	Nursery	2008	10,000	Mango, litchi, aonla, guava,					Training and Demo
3.	Shed Net	2008	105	Seedlings					Training and Demo
4	Seed Processing Plant	2010							Non functional
5.	Mushroom Unit	2018	55	Oyster Button					Training and demo
6	Azolla	2018	2.5						Training and Demo
7.	Shed net	2019	200	Seedling prodn,					Training anddemo
8.	Polyhouse	2019	200	Seedling Prodn.					Training and demo
	Total								

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Paddy	25th June 2021	2nd Nov,2021 & 16th Nov.,2021	6.0	Rajendra Saraswati	FS	131			
Wheat	1-3rd Dec, 2021	20th April, 2022	6.0	DBW 252	FS	165.50			
Pea	9-11th Nov, 2021	1st-4th March 2022	0.4	HUDP 15	FS	1.80			
Rapeseed	22nd Nov, 2021	21st March, 2022	1.5	R. Suflam	TL	12.50			
Paddy	4th-23rd July, 2022	8th Nov, 2022	6.0	R. Saraswati	FS	160.40			
Sugarcane	March	February	0.5	Rajendra	CS	30.0			

	2021	2022		Ganna 1					
Wheat	18th-21st Nov, 2022	Crop Standing	6.0	DBW 252	CS				
Pea	8th Nov, 2022	Crop Standing	1.0	HUDP 15	CS				
Gram	9th Nov, 2022	Crop standing	0.4	GNG 2299	TL				
Rapeseed	28th Oct, '22	Crop Standing	1.0	R. Suflam	TL				

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 staffquarters:

Date of completion:

Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
KVK Main Account	Uttar Bihar Gramin Bank	Sipaya	1005231130000070
KVK RF Account	Uttar Bihar Gramin Bank	Sipaya	1005231010005130
KVK NHM Account	Uttar Bihar Gramin Bank	Sipaya	1005231010005207
KVK Non ICAR Account	Uttar Bihar Gramin Bank	Sipaya	1005231130000162

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

Item	Released by ICAR		Expenditure		Unspent balance as on -31.12.2022
	Kharif	Rabi	Kharif	Rabi	
Rapeseed and mustard		0.0		0.270563	-

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

Item	Released by ICAR		Expenditure		Unspent balance as on 31st Dec,2022
	Kharif	Rabi	Kharif	Rabi	
Pulses		Rs. 0.89584.00		2.68769	(-)2.68769

7.4. Utilization of KVK funds during the year 2022 (Not audited) (1st April to 31st December, 2022)

Sl. No.	Particulars	Sanctioned	Released	Expen.	Balance
A. General					
1	Traveling allowances	75000		73223	1777.00
2	HRD	15000		0.00	15000.00
3	Contingencies				
A	Stationary, telephone, postage, other office charges, POL	2,00000.00		138300.60	61699.4
B	Training of farmers, training materials, posters, charts. demonstration materials including chemicals required for conducting the training	4,50,000.00	7,40,000.00	213753.00	2,36,247.00
C	Training of Rural Youth				
D	Training of extension functionaries				
E	Frontline Demonstration on other than pulses and oilseed				
F	On Farm Testing				
G	Soil and water testing lab				
H	Maintenance of building				
I	Extension activities/exhibition/kisan mela etc				
J	Swachhta Expenditure				
TOTAL (A)		**7,40,000.00**	**7,40,000.00**		
Closing balance (General) as on 31.12.22					**3,14,723.00**
B. Non-Recurring Contingencies					
1	Works	0.0	0.0	0.0	0.0
2	Vehicle	0.0	0.0	0.0	0.0
3	Equipment and furniture	0.0	0.0	0.0	0.0
4	Library	0.0	0.0	0.0	0.0
TOTAL (B)		0.0	0.0	0.0	0.0
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 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2019	34.21893	13.21398	13.41950	34.01341
2020	34.01341	15.69325	44.12911	5.57755
2021	5.57755	19.83125	11.75232	13.6547
2022	13.6547	2.61292	11.34905	4.92035 (as on 31st Dec, 2022)

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

Nameof activity	Number of activity	Season	With line department	With ATMA	With both
21.02.22	1	Rabi 2022			Monitoring visit
23.02.22	1	Rabi 2022			Crop cutting visit
30.03.22	1	Rabi 2022			Crop Cutting visit
22.04.22	1	Rabi 2022			Crop Cutting visit
03.06.22	1	Summer 2022			Crop damage visit (green gram)

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru YuvaKendra(NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

9.3. *mKisan*Portal (National Farmers' Portal/ SMSPortal)

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

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken	participants
April 2022	Cleaning of office premises	15
7/10/22	Cleaning of office, Kisan ghar and farmers training hostel	31
12/10/22	Cleaning of KVK orchard	23
19/10/22	Orientation of school children on various topics like hygiene, sanitation and cleanliness	57

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office		
2. Basic maintenance		
3. Sanitation and SBM		
4. Cleaning and beautification of surrounding areas	5	
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	1	
8. Swachhta Workshops		
9. Swachhta Pledge	1	
10. Display and Banner	2	
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)		
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		

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with SeemaSurakshaBal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

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

9.10. Details of Swachhta Hi Sewaprogramme organized

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

9.11. Details of MahilaKisan Divas programme organized

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

9.12. 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
1			
2			
3			
4			
5			
6			
7			
8			
9			
10			
11			
12			
13			
14			
15			
16			
17			
18			
19			

20			
21			
22			
23			
24			

9.13. Revenue generation(April to December-2022)

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Sugarcane settlings	10,000.00	KVK, Gopalganj
2.	Room rent	64,308.00	BASU, Patna
3.	Bank Interest	8,822.00	UBGB, sipaya
4.	Hiring cost (LLL by farmers)	6,700.00	Farmers
5.	Bank Interest	7,215.00	UBGB, Sipaya
6.	Sale of wheat straw	100.00	KVK, Gopalganj
7.	RAWE fee	10,000.00	Tushar Kashyap
8.	Sale of Paddy seed	1,49,415.00	DSF, Dholi
9.	Sale of wheat straw	200.00	KVK, Gopalganj
10.	Bank Interest	4,532.00	UBGB, Sipaya
11.	Sale of Guava Plant	250.00	IFFCO, Siwan
12.	Sale of Papaya Seedling	38,650.00	KVK, Gopalganj
13.	Bank interest	7,082.00	UBGB, Sipaya
14.	Sale of seedlings	39,580.00	KVK, Gopalganj
15.	Bank Interest	7,825.00	UBGB, Sipaya
16.	Bank Interest	8,321.00	UBGB, Sipaya
Total		3,63,000	

9.14. Resource Generation:(April to December-2022)

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	NHM, Pusa	NHM	DrRPCAU, Pusa	0.5	
2	NHM, Pusa	NHM	Dr. RPCAU, Pusa	1.0	
Total				1.5	

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP

a. Achievements of physical output under TSP during 2022

Programmes	**Physical achievements**
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of otherprogrammes (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 outcomeunder 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

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

Sl. No.	Name of the Award	Name of the Farmer	Year	Conferring Authority	Amount	Purpose
1.	Kisan Abhinav Puraskar	Shri Mrityunjay Kumar	2022	Dr. RPCAU Pusa	Rs. 5000	

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator
1.	Pragati Agro Producer Company Limited	Reg. No. U01400BR2016PTC026193	Karanpura, Kuchaikote	Input supply	Fertilizer, Seed	685	14.0	
2.	Gopalganj Trinetra Agroproducer Company Limited	Reg. No. U01400BR2018PTC038057	Manjhagarh Jantoli, Gopalganj	Mushroom, Planting meterials	Mushroom, planting			

16. Integrated Farming System (IFS)

Details of KVK Demo. Unit

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

17. Technologies for Doubling Farmers' Income

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

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

	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
Phase	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.218)					
Total					

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

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

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2021

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2019							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2021

Thematic area of training	Title of the training	Duration (in hrs.)	No. of participants									Fund utilized for the training (Rs.)
			SC		ST		Other		Total			
			M	F	M	F	M	F	M	F	T	

20. Information on NARI Project(if applicable)

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

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

Krishi Kalyan Abhiyan- I and 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 benefited***									***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 benefited*									*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 benefited*									*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										
	Others, if any										
KKA-II	Soil Health Card Distributed										
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

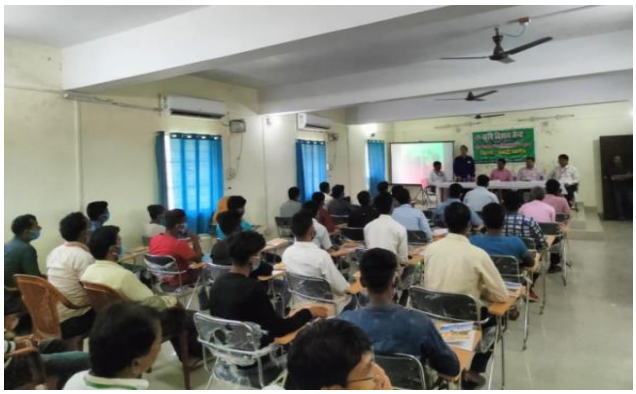
Krishi Kalyan Abhiyan- III

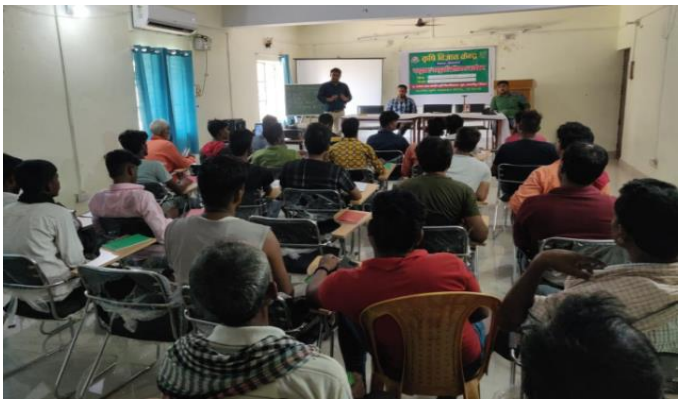
No. of villages covered	*No. of animal inseminated*	*No. of farmers benefitted*									*Any other, if any (pl. specify)*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	

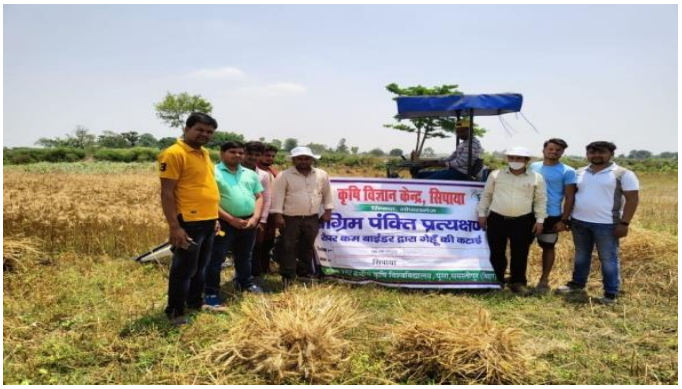
22. Any other programme organized by KVK, not covered above

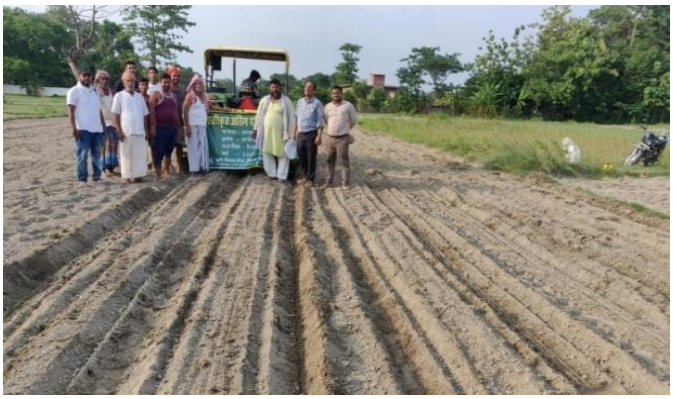
Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants

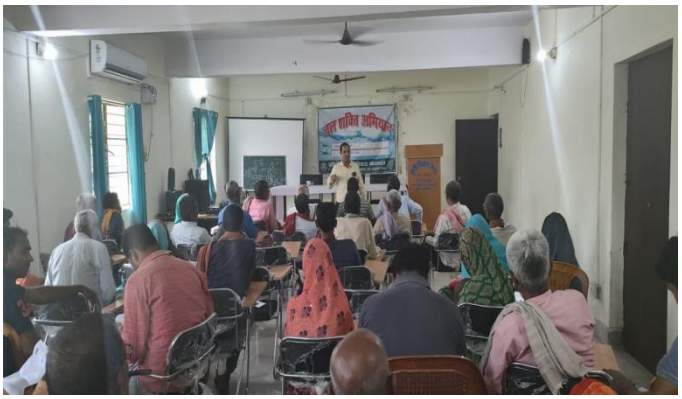
1. Good quality action photographs of overall achievements of KVK during the year (best 10)

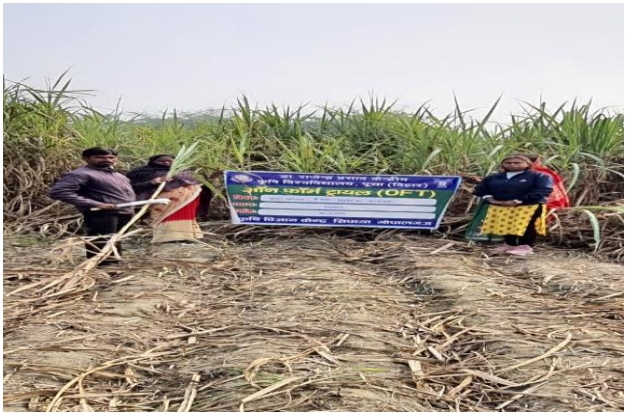


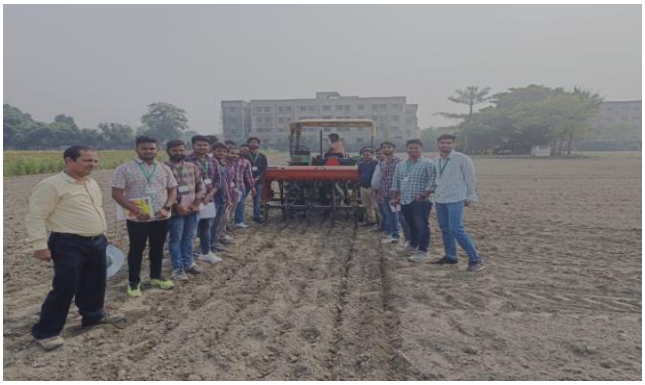


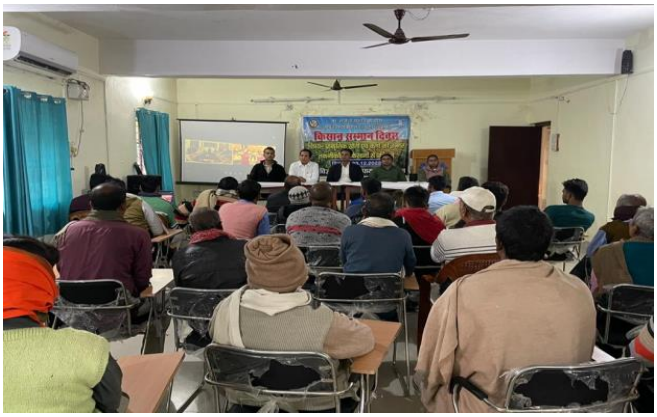




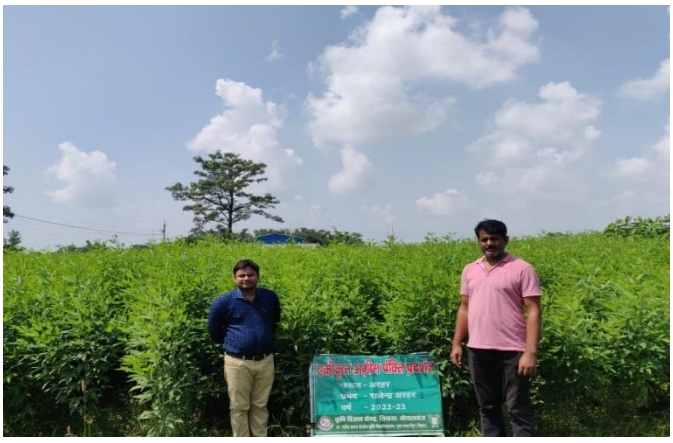



कृषि फॉर्म ट्रायल (OFT)

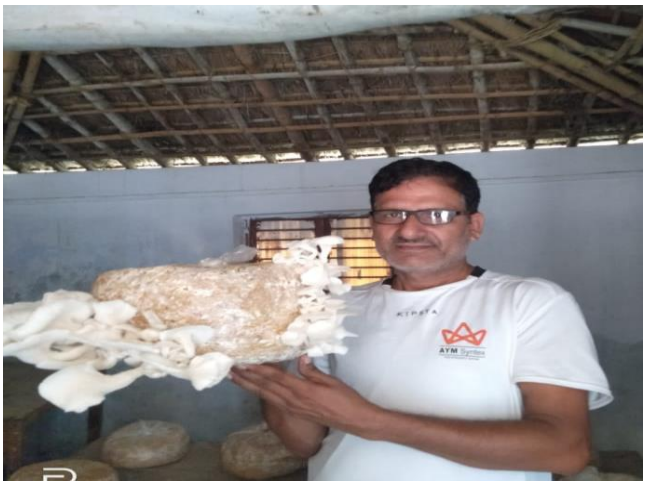


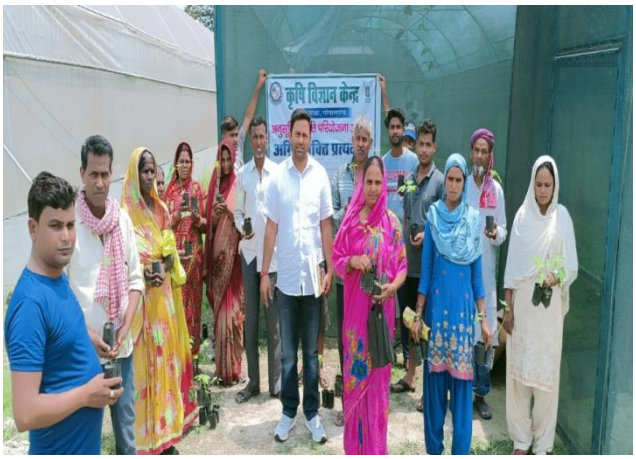

किसान सम्मान दिवस


Latitude: 26.576961
Longitude: 84.375606
Elevation: 64.35±4 m
Accuracy: 3.9 m
Time: 13-12-2022 16:19
Note: Beejamrit Preparation
Powered by NoteCam


उन्नतशील अगेती पैदावार प्रदर्शन
वर्ष - 2022-23


अगेती पैदावार प्रदर्शन
वर्ष - 2022




कृषि विज्ञान केन्द्र

Additional Information

Number of FPO	Created by KVK	Number of farmer	Created by other agency(NBARD/SFAC supported by KVK)	Number of farmer
3	0	980	Yes	980

Resource generation	Amount (Rs.)	Funding Agency (e.g. NHM/ATMA/RKVY/Manrega etc.)	Type of work

Externally funded project	Amount (Rs.)	Funding Agency	Type of work

Special Programmes (PM Address/ Ag. Scientist Meet/ Consumer day/ PoshanSaptah/ Birthday of Mahatma Gandhi/ Farm Act/ World Food day/ MahilaKisanDiwas	Venue	No. of MP/ MLA/ Public Representations	No. of Officials	No. of Farmers									
				SC		ST		OBC		Gen		Total	
				M	F	M	F	M	F	M	F	M	F
PM Samman Nidhi Programme (Live telecast) (01.01.22)	KVK, Gopalganj	Nil	4	3	4	0	0	0	0	21	2	24	6
World Pulses Day (10.02.22)	KVK, Gopalganj	Nil	4									25	0
International Women Day (08.03.22)	KVK, Gopalganj	Nil	5	0	25	0	0	0	0	0	35	0	60
National Nutrition Mission (poshan Pakhwada) (01.04.22)	KVK, Gopalganj	Nil	5	0	27	0	0	0	0	0	23	0	50
National Nutrition Mission (poshan Pakhwada) (02.04.22)	KVK, Gopalganj	Nil	5	0	13	0	0	0	0	0	11	0	24
Inauguration of LLL (25.04.22)	Tiwari Matihiniya	NIL	3	1	0	0	0	0	0	29	6	30	6
Kisan Bhagidari Prathmikta Hamari (26.04.22)	KVK, Gopalganj	Nil	5	42	53	0	0	0	0	190	17	232	70
Jal Shakti Abhiyan (25.05.22)	KVK, Gopalganj	Nil	2	7	0	0	0	0	0	30	13	37	13
Farmers awareness campaign on " Efficient & Balanced utilization of fertilizers including Nano fertilizer (21.06.22)	KVK, Gopalganj	Nil	4									45	0
94th ICAR Foundation Day and Prize distribution Programme (virtual mode) (16.07.22)	KVK, Gopalganj	Nil	3									163	37

Prabhat Pheri under Theme "Har ghar Tiranga" (12.08.22)			3									30	0
National Poshan Abhiyan and tree Plantation Programme (17.09.22)	KVK, Gopalganj	Nil	3									78	22
PM Kisan Samman Sammelan (17.10.22)	KVK, Gopalganj	Nil	4									132	177
Jal Shakti Abhiyan Training (09.11.22)	KVK, Gopalganj	Nil	2									53	22
Kisan Mela under Jal Shakti Abhiyan (15.11.22)	KVK, Gopalganj	Nil	6	34	0	0	0	0	0	98	118	132	118
Krishi Samvad (Bihar Ent. Assoc.) (18.11.22)	KVK, Gopalganj	Nil	2									27	0
Constitution Day (26.11.22)	KVK, Gopalganj	Nil	3									13	1
World Soil Day (05.12.22)	KVK, Gopalganj	Nil	2									40	20
Kisan Samman Diwas (23.12.22)	KVK, Gopalganj	Nil	4	26	34	0	0	0	0	60	100	86	134
Krishak vaigyanik Vartalap (28.12.22)	KVK, Gopalganj	Nil	4									44	0

(14)

वैज्ञानिक सलाहकार समिति की ग्यारहवीं बैठक की कार्यवाही।

कृषि विज्ञान केन्द्र, गोपालगंज की ग्यारहवीं वैज्ञानिक सलाहकार समिति की बैठक दिनांक 24 मार्च, 2021 को कृषि विज्ञान केन्द्र, सिपाया, गोपालगंज के सभागार में आयोजित की गई। इसकी अध्यक्षता डॉ0 एम. एस. कुंडु, निदेशक प्रसार शिक्षा, डॉ0 राजेन्द्र प्रसाद केन्द्रीय कृषि विश्वविद्यालय, पूसा ने की। बैठक में निम्नलिखित सदस्य उपस्थित थे।

क्र. सं.	नाम	पद एवं पता
1.	डॉ0 एम. एस. कुंडु	निदेशक, प्रसार शिक्षा, डा0रा0प्र0के0कृ0वि0,पूसा–अधयक्ष
2.	डॉ0 एस.डी.पाण्डेय	निदेशक, राष्ट्रीय लीची अनुसंधान केन्द्र, मुशहरी,मुजफ्फरपुर–सदस्य
3.	डॉ0 पुष्पा सिहं	उपनिदेशक, प्रशिक्षण, डा0रा0प्र0के0कृ0वि0,पूसा–सदस्य
4.	डॉ0 अनुपम लाल कुसुमाकर	डी0 डी0 एम., नाबार्ड, गोपालगंज–सदस्य
5.	डॉ0 वेदनारायण सिंह	जिला कृषि पदाधिकारी, गोपालगंज–सदस्य
6.	श्री विकास प्रसाद	परियोजना निदेशक आत्मा, गोपालगंज–सदस्य
7.	श्री ओम प्रकाश	जिला गव्य विकास पदाधिकारी के प्रतिनिधि–सदस्य
8.	श्री गौतम कुमार	सहायक निदेशक (कृषि यांत्रिकी) गोपालगंज–सदस्य
9.	श्री उमेश यादव	प्रगतिशील किसान, गोपालगंज–सदस्य
10.	श्री सुनिल कुमार सिंह	प्रगतिशील किसान, गोपालगंज–सदस्य
11.	श्रीमती रेखा कुमारी	प्रगतिशील महिला कृषक, गोपालगंज–सदस्य
12.	श्रीमती मधु देवी	प्रगतिशील महिला कृषक, गोपालगंज–सदस्य
13.	श्री रजनीश कुमार	जीविका के प्रतिनिधि, गोपालगंज–सदस्य
14.	श्री विकास कुमार	जीविकोपार्जन विशेषज्ञ कुचायकोट, गोपालगंज–सदस्य
15.	श्री अतुल कुमार	वन विकास पदाधिकारी के प्रतिनिधि –सदस्य
16.	श्री पवन कुमार	जिला पशु चिकित्सा पदाधिकारी गोपालगंज के प्रतिनिधि –सदस्य
17.	श्री जगत कुमार याद	जिला कृषि कार्यालय, गोपालगंज–सदस्य
18.	श्री दीपक कुमार गुप्ता	जीविका, कुचायकोट, गोपालगंज–सदस्य
19.	डॉ0 रामकृष्ण राय	वरीय वैज्ञानिक सह प्रधान सदस्य एवं सचिव
20.	श्री संजय कुमार	विषय वस्तु विशेषज्ञ (कीट विज्ञान)–सदस्य
21.	ई0 नवीन कुमार	विषय वस्तु विशेषज्ञ (कृषि अभियंत्रण) –सदस्य
22.	डॉ0 अमित विसेन	विषय वस्तु विशेषज्ञ (उद्यान)–सदस्य
23.	डॉ0 अनिता गौतम	विषय वस्तु विशेषज्ञ (गृह विज्ञान)–सदस्य
24.	श्री रविकान्त कुमार	प्रक्षेत्र प्रबंधक –सदस्य

(13)

सर्वप्रथम डॉ0 रामकृष्ण राय, वरीय वैज्ञानिक सह प्रधान, कृषि विज्ञान केन्द्र, गोपालगंज ने इस कार्यक्रम के अध्यक्ष डॉ0 एम. एस. कुंडु, निदेशक प्रसार शिक्षा, डॉ रा0प्र0के0कृ0वि0,पूसा, डॉ0 एस.डी.पाण्डेय निदेशक, राष्ट्रीय लीची अनुसंधान केन्द्र, मुशहरी, मुजफ्फरपुर, डॉ0 पुष्पा सिंह, उपनिदेशक प्रशिक्षण, डा0रा0प्र0के0कृ0वि0,पूसा, समिति के सदस्यगण, सम्माननीय किसानों एंव कृषक महिलायों एंव अन्य सम्माननीय सदस्यों का स्वागत किया।

वरीय वैज्ञानिक सह प्रधान ने विगत वर्ष (2019–2020) का प्रगति प्रतिवेदन तथा आगामी वर्ष (2020–2021) का प्रस्तावित कार्यक्रम प्रस्तुत किया जिस पर समिति के सदस्यों द्वारा गहन विचार–विमर्श कर निम्नलिखित सुझाव दिए गए:

1. निदेशक प्रसार शिक्षा ने कार्यवाही अनुपालन प्रतिवेदन में सम्पादित कार्य को लिखने का सुझाव दिये।
2. निदेशक प्रसार शिक्षा ने जिले मे मशरूम उत्पादन को बढावा देने के लिए मशरूम स्पॉन का परियोजना नाबार्ड को सौपने को कहा।
3. जीविका गोपालगंज ने स्वच्छता मे जांगरूकता के लिए गृह वैज्ञानिक को जीविका के साथ मिलकर स्वच्छता प्रशिक्षण कार्यक्रम करने का सुझाव दिया।
4. निदेशक प्रसार शिक्षा ने सस्य विज्ञान का प्रशिक्षण कार्यक्रम प्रस्तावित कार्य योजना में सम्मिलित करने का सुझाव दिया।
5. निदेशक प्रसार शिक्षा ने किसानों का आमदनी बढाने हेतु गन्ने में अर्न्तवर्तीय फसल का प्रचार प्रसार करने का सुझाव दिया।
6. प्रगतिशील किसानों ने गन्ने का उन्नत बीज उत्पादन कृषि विज्ञान केन्द्र मे बढाने तथा उसे किसानों को उपलब्ध कराने का सुझाव दिया।
7. राष्ट्रीय लीची अनुसंधान केन्द्र के निदेशक ने आम तथा लीची का मातृ वृक्ष नर्सरी विकसित कर गुणवता आम तथा लीची के पौधे किसानों को उपलब्ध कराने के लिए कहा। साथ ही उन्होने सुझाव दिया कि प्रथम तीन वर्ष तक उसमें अर्न्तवर्तीय फसल उगाई जाए।
8. निदेशक प्रसार शिक्षा ने वैज्ञानिक को प्रत्यक्षण परीक्षण के परिणाम पीयर– रिव्यू पत्रिका में प्रकाशित करने का सुझाव दिया।
9. निदेशक प्रसार शिक्षा ने कृषि विज्ञान केन्द्र मे कुक्कुट का प्रत्यक्षण इकाई स्थापित करने का सुझाव दिया।
10. निदेशक प्रसार शिक्षा ने विश्वविद्यालय द्वारा बच्चो के लिए विकसित "बाल शक्ति" पोषण आहार का सौ बच्चो में परीक्षण करने का सुझाव दिया।
11. निदेशक प्रसार शिक्षा ने मानक अनुपालन करते हुए कृषि यत्रों का कस्टम हॉयरिंग करने आदेश दिया।

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12. निदेशक प्रसार शिक्षा ने कृषि विज्ञान केन्द्र से पाँच प्रशिक्षुओ को कम्बाइन हार्वेस्टर मे प्रशिक्षण देने का सुझाव दिया।
13. निदेशक प्रसार शिक्षा ने बाँस के प्रसंस्करण उत्पाद का कृषक प्रशिक्षण कार्यकम करने का सुझाव दिया।
14. निदेशक प्रसार शिक्षा ने हर्वल गुलाल तथा अरहर के डंठल से अगरवती की काठी बनाने का प्रशिक्षण करने का सुझाव दिया।
15. निदेशक प्रसार शिक्षा ने सूचना एवं संचार प्रौधोगिकी माध्यम द्वारा प्रचार प्रसार एवं प्रशिक्षण कार्यकम जारी रखने आदेश दिया।

वैज्ञानिक सलाहकार समिति के सम्मानित सदस्यो द्वारा उपर्युक्त दिए गए सुझावों एवं विचार विमर्शो के आधार पर कार्यवाही करने के लिए निम्नलिखित सुझाव दिए गए विन्दुओं पर कार्य करने का संकल्प लिया गया।

01. कार्यवाही अनुपालन प्रतिवेदन में सम्पादित कार्य को लिखा जाए।
वरीय वैज्ञानिक सह प्रधान द्वारा की जाने वाली कार्यवाही
02. मशरूम स्पॉन का परियोजना नाबार्ड को सौंपी जाए।
विषय वस्तु विशेषज्ञ (गृह विज्ञान)
03. स्वच्छता का प्रशिक्षण कार्यक्रम गृह वैज्ञानिक जीविका के साथ मिलकर करें।
विषय वस्तु विशेषज्ञ (गृह विज्ञान) द्वारा की जाने वाली कार्यवाही
04. सस्य विज्ञान का प्रशिक्षण कार्यक्रम प्रस्तावित कार्य योजना में सम्मिलित की जाए।
प्रक्षेत्र प्रबंधक द्वारा की जाने वाली कार्यवाहीं
05. गन्ने में अर्न्तवर्तीय फसल का प्रचार प्रसार की जाए.
विषय वस्तु विशेषज्ञ (उद्यान) द्वारा की जाने वाली कार्यवाही
06. गन्ने का उन्नत बीज उत्पादन कृषि विज्ञान केन्द्र मे की जाए तथा उसे किसानों को उपलब्ध कराया जाए।
प्रक्षेत्र प्रभारी द्वारा की जाने वाली कार्यवाही
07. आम तथा लीची का मातृ वृक्ष नर्सरी विकसित कर गुणवता आम तथा लीची के पौधे उपलब्ध कराया जाए। प्रथम तीन वर्ष तक उसमें अन्तवर्तीय फसल उगाई जाए।
विषय वस्तु विशेषज्ञ (उद्यान) द्वारा की जाने वाली कार्यवाही
08. प्रत्यक्ष परीक्षण के परिणाम पीयर– रिव्यू पत्रिका में प्रकाशित की जाए।
समस्त वैज्ञानिको द्वारा की जाने वाली कार्यवाही
09. कुक्कुट ईकाई कृषि विज्ञान केन्द्र मे स्थापित की जाए।
वरीय वैज्ञानिक सह प्रधान द्वारा की जाने वाली कार्यवाही

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10. विश्वविद्यालय द्वारा बच्चो के लिए विकसित "बाल शक्ति" पोषण आहार का भी बच्चो में परीक्षण की जाए।

विषय वस्तु विशेषज्ञ (गृह विज्ञान) द्वारा की जाने वाली कार्यवाही

11. मानक अनुपालन करते हुए कृषि यत्रों का कस्टम हॉयरिंग किया जाए।

विषय वस्तु विशेषज्ञ (कृषि अभियंत्रण) द्वारा की जाने वाली कार्यवाही

12. कृषि विज्ञान केन्द्र से पाँच प्रशिक्षुओं को कम्बाइन हार्वेस्टर मे प्रशिक्षण दिया जाए।

विषय वस्तु विशेषज्ञ (कृषि अभियंत्रण) को कृषि अभियंत्रण महाविद्यालय, पूसा के साथ मिलकर की जाने वाली कार्यवाही

13. बाँस के प्रसंस्करण उत्पाद का कृषक प्रशिक्षण किया जाए।

विषय वस्तु विशेषज्ञ (उद्यान) द्वारा की जाने वाली कार्यवाही

14. हर्बल गुलाल तथा अरहर के डंठल से अगरबत्ती की काठी बनाने का प्रशिक्षण कार्यक्रम।

विषय वस्तु विशेषज्ञ (गृह विज्ञान) द्वारा की जाने वाली कार्यवाही

15. सूचना एवं संचार प्रौधोगिकी माध्यम द्वारा प्रचार प्रसार एवं प्रशिक्षण कार्यक्रम जारी रखा जाए।

समस्त वैज्ञानिको द्वारा की जाने वाली कार्यवाही

Ramavisht 04/08/21
वरीय वैज्ञानिक सह प्रधान
कृषि विज्ञान केन्द्र, सिपाया,
Sr. Scientist & Head
K.V.K. Gopalganj

3.8.21
निदेशक प्रसार शिक्षा
डॉ0 रा0 प्र0 के0 कृ0 वि0, पूसा

कृषि विज्ञान केन्द्र, सिपाया, गोपालगंज
वैज्ञानिक सलाहकार समिति की ग्यारहवीं बैठक से संबद्ध अनुपालन प्रतिवेदन

क्र0 सं0	कार्यवाही	अनुपालन
1.	कार्यवाही अनुपालन प्रतिवेदन में सम्पादित कार्य को लिखने का सुझाव दिये।	अनुपालन किया गया।
2.	जिले में मशरूम उत्पादन को बढ़ावा देने के लिए मशरूम स्पॉन का परियोजना नाबार्ड को सैंपने को कहा।	मशरूम स्पॉन की परियोजना नाबार्ड को सौंपा गया है।
3.	स्वच्छता का प्रशिक्षण कार्यक्रम गृह वैज्ञानिक जीविका के साथ मिलकर करें।	स्वच्छता का कार्यक्रम विषय वस्तु विशेषज्ञ (गृह विज्ञान) द्वारा जीविका की महिलाओं के साथ किया गया जिसमें 29 प्रशिक्षु शामिल हुए
4.	सस्य विज्ञान का प्रशिक्षण कार्यक्रम प्रस्तावित कार्य योजना में सम्मिलित की जाए।	सस्य विज्ञान के दो कृषक प्रशिक्षण कार्यक्रम प्रक्षेत्र प्रबंधक द्वारा किए गए।
5.	गन्ने में अर्न्तवर्तीय फसल का प्रचार प्रसार की जाए।	गन्ने में अर्न्तवर्तीय फसल का प्रचार–प्रसार के लिए कृषि विज्ञान केन्द्र में कृषक प्रशिक्षण किया गया जिसमें 25 प्रशिक्षु शामिल हुए।
6.	गन्ने का बीज उत्पादन कृषि विज्ञान केन्द्र मे की जाए तथा उसे किसानों को उपलब्ध कराया जाए।	विगत वर्ष लगातार बारिश के कारण प्रक्षेत्र में जल जमाव की स्थिति होने के कारण गन्ने का बीज उत्पादन प्रभावित हुआ है।
7.	आम तथा लीची का मातृ वृक्ष नर्सरी विकसित कर गुणवता आम तथा लीची के पौधे उपलब्ध कराया जाए। प्रथम तीन वर्ष तक उसमें अन्तवर्तीय फसल उगाई जाए।	लगातार बारिश तथा तेज हवा के कारण पौध प्रवर्धन नहीं किया जा सका। हल्दी का अर्न्तवर्तीय फसल बगीचें में लगाया गया है।
8.	प्रत्यक्ष परीक्षण के परिणाम पीयर–रिव्यू पत्रिका में प्रकाशित की जाए।	कृषि अभियंत्रण में किए गए प्रत्यक्ष परीक्षण के परिणाम को एग्रीकल्चरल इंजीनियरिंग टूडे शोध पत्रिका में प्रकाशित किया गया है।
9.	कुक्कुट का यूनिट कृषि विज्ञान केन्द्र मे स्थापित की जाए।	कुकुक्ट के बैकयार्ड यूनिट बनाए गए है चूजा लाना बाकी है।
10.	विश्वविद्यालय द्वारा बच्चों के लिए विकसित बाल शक्ति पोषण आहार का सौं बच्चों में परीक्षण करने का सुझाव दिया।	बाल शक्ति पोषण आहार का परीक्षण 1 से 5 वर्ष की आयु के 100 बच्चों में किया गया जिसमें वजन और लम्बाई में 14 प्रतिशत तथा 5 से 14.

		5 प्रतिशत वृद्धि क्रमशः पाई गई।
11.	मानक अनुपालन करते हुए कृषि यंत्रों का करटम हायरिंग किया जाए।	कृषि यंत्रों को जलवायु अनुकूल कृषि कार्यक्रम में करटम हायरिंग के तहत उपलब्ध कराया गया है तथा किसानों के बीच मेले, प्रशिक्षण इत्यादि में जानकारी दी जाती है।
12.	कृषि विज्ञान केन्द्र में पांच प्रशिक्षुओं को कम्बाइन हार्वेस्टर का प्रशिक्षण दिया जाए।	पांच प्रशिक्षुओं को कम्बाइन हार्वेस्टर का प्रशिक्षण दिनांक 01 नवंबर से 03 नवंबर, 2021 को दिया गया।
13.	बाँस के प्रसंस्करण उत्पाद का कृषक प्रशिक्षण कार्यक्रम किया जाए।	बाँस के प्रसंस्करण उत्पाद का कृषक प्रशिक्षण कार्यक्रम कृषि विज्ञान केन्द्र में किया गया जिसमें 28 प्रशिक्षु सम्मिलित हुए।
14.	हर्बल गुलाल तथा अरहर के डंठल से अगरबत्ती की काठी बनाने का प्रशिक्षण दिया जाए।	अगरबत्ती की काठी का कृषक प्रशिक्षण कृषि विज्ञान केन्द्र में किया गया जिसमें 30 महिलाओं ने भाग लिया।
15.	सूचना एवं संचार प्रौघोगिकी माध्यम द्वारा प्रचार–प्रसार एवं प्रशिक्षण कार्यक्रम जारी रखा जाए।	सूचना एवं संचार प्रौघोगिकी के माध्यम से विभिन्न प्रकार के कृषक प्रशिक्षण (संख्या 9, 184 प्रशिक्षणार्थी), प्रसार कार्यकर्ता प्रशिक्षण (संख्या 2, 122 प्रशिक्षणार्थी), ई–चौपाल इत्यादि किए गए।

Ramakant Ojha

वरीय वैज्ञानिक सह प्रधान
कृषि विज्ञान केन्द्र, सिपाया,
गोपालगंज