

**Dr. Rajendra Prasad Central Agricultural University, Pusa
Krishi Vigyan Kendra, Gopalganj**

**9th Extension Education Council Report
(April, 2024 to March, 2025)**

A. Profile of KVK		
Latitude	-	26 ^o 57'69''
Longitude	-	84 ^o 37'62''
Farm Area (ha)	-	20.0
District	-	Gopalganj



B. Staff Strength						
Sl. No.	Post	Group	Grade Pay	Sanctioned	Filled	Vacant
1.	Head	A	9000	01	1	0
2.	SMS-6	A	5400	06	4	2
3.	Farm Manager	B	4200	01	1	0
4.	Programme Asst. (Computer)	B	4200	01	0	1
5.	Programme Asst. (Lab Tech.)	B	4200	01	0	1
6.	Assistant	B	4200	01	1	0
7.	Stenographer	C	4200	01	0	1
8.	Supporting Staff -1&2	C	2000	02	1	1
9.	Jeep Driver	C	2000	01	0	1
10.	Tractor Driver	C	2000	01	0	1

C. Soil Samples Analyzed:		
Number of Soil Samples Collected	Number of Soil Samples Analyzed	Soil Health Card Distributed
1000	500	500

D. Status of revolving fund as on 31.03.2025				
Opening balance (Rs.) on 01.04.2024	Total fund received (Rs.) up to 31.03.2025	Expenditure (Rs.) up to 31.03.2025	Closing balanced (Rs.) up to 31.03.2025	Cash kind to (Rs.)
6,43,778	22,02,662	17,81,543	10,64,897	28,10,865

E. Achievements of Training Programmes (Give only numbers):								
(i) Practicing Farmers/Farm Women.								
Sl. No.	Discipline	Target	Achievement	No. of Beneficiaries				Total
				Male		Female		
				Others	SC/ST	Others	SC/ST	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci./ Extn.)	11	12	199	42	74	23	338
2.	Plant Protection	21	21	322	53	122	35	532
3.	Home Science	13	17	8	2	206	243	459
4.	Vet. /Fisheries	05	04	61	22	29	15	127
5.	Agricultural Engineering	21	21	364	17	124	23	528
Total		71	72	954	136	555	339	1984

(ii) Rural Youth

Sl. No.	Discipline	Target	Achievement	No. of Beneficiaries				Total
				Male		Female		
				Others	SC/ST	Others	SC/ST	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci./ Extn.)	02	02	30	3	11	13	57
2.	Plant Protection	06	07	115	10	44	3	172
3.	Home Science	06	03	0	6	48	53	107
4.	Vet. /Fisheries	03	02	31	6	13	7	57
5.	Agricultural Engineering	04	04	78	21	17	9	125
Total		21	18	254	46	133	85	518

(iii) Extension Functionaries

Sl. No.	Discipline	Target	Achievement	No. of Beneficiaries				Total
				Male		Female		
				Others	SC/ST	Others	SC/ST	
1.	Crop production (Agro/ Plant Breeding/Soil Sci./ Extn.)	02	03	223	12	20	0	255
2.	Plant Protection	02	03	60	6	31	0	97
3.	Home Science	02	01	00	19	00	03	22
4.	Agricultural Engineering	02	02	184	43	21	2	250
Total		6	9	467	80	72	5	624

(iv) Other Sponsored Training Programme:

Sl. No.	Discipline	Achievement	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Crop Production	03	374	50	12	4	440
2.	Plant Protection	14	1675	155	170	00	2000
3.	Agricultural Engineering	10	1767	220	155	27	2169
Total		27	3816	425	337	31	4609

(v) Vocational Training

Sl. No.	Discipline	Achievement	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Animal Sciences	02	00	20	00	30	50
Total		02	00	20	00	30	50

F. i) Seed Produced:

Sl. No.	Crop	Variety	Area (ha)	Type of Seed	Quantity Produced	Seed Production		
						Sold to		
						University	Farmers	Non Seed
1.	Green gram	Virat	1	CS	3.36	✓	-	-
2.	Paddy	R. Neelam	4.4	FS	124.4	✓	-	-
3.	Finger Millet	RAU8	2.2	FS	19.34	✓	-	-
4.	Arhar	R. Arhar 1	1	FS	2.70	✓	-	-
5.	Wheat	DBW-187	6	FS	176.50	✓	-	-
6.	Wheat	HD-2967	0.3	TL	12.75	✓	-	-
7.	Rai	R. Suflam	2	TL	19.50	✓	-	-
8.	Pea	Kashi Nandini	0.5	TL	0.63	✓	-	-
9.	Chickpea	GNG-2299	1.5	FS	20.57	✓	-	-
10.	Lentil	IPL-316	0.09	TL	0.78	✓	-	-
11.	Linseed	TL-99	0.4	CS	2.26	✓	-	-

Total	19.39		382.79		
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ii) Planting Material/Spawn/Vermicompost/Bio-Pesticide/Fingerlings/Chicks Production						
Sl. No.	Crop		Variety/Species	Quantity Produced	Sold to	
					Govt.	Farmers
1.	Summer 2024	Bottle gourd	Shital	975	-	✓
2.		Sponge gourd	S 16	2460	-	✓
3.		Ridge gourd	Panchwati	430	-	✓
4.		Pumpkin	MPH 4	2260	-	✓
5.		Bitter gourd	Pali	5360	-	✓
6.		Papaya	Red lady	1060	-	✓
7.	Rabi 2024-25	Cauliflower	Madhuri	1365	-	✓
8.		Cabbage	Green Flash	1215	-	✓
9.		Tomato	Nayak	1204	-	✓
10.		Brinjal	Navkiran	1270	-	✓
11.		Chilli	Alva	1160	-	✓
12.		Capsicum	Indra	200	-	✓
13.		Onion	Madhuri Hyb	1365	-	✓
14.		Broccoli	Fantasy	1190	-	✓
15.	Summer 2025	Bitter gourd	Pali	1080	-	✓
16.		Sponge gourd	S 16	1069	-	✓
17.		Ridge gourd	Panchwati	504	-	✓
18.		Pumpkin	MPH 1	489	-	✓
19.		Cucumber	Kamini	616	-	✓
20.		Bottle gourd	Shital	958	-	✓
21.		Papaya	Red Lady/ Arka Prabhat	493	-	✓
Total				26,723		

G. FLD										
Crop	Variety/ Tech demo.	Season	Area (ha)	No. of Farmers	Production q/ha			Local check (q/ha)	Increase in yield%	BC ratio
					H	L	A			
Wheat	DBW 187	Rabi	10	25	33.50	29.00	30.25	26.50	14.15	2.01
Moong	Virat	Summer	8.8	30	8.10	6.50	7.55	6.75	11.85	1.88
Litchi	Emamectin benzoate 5SG, Imidacloprid 17.8 SL, NSKE, Novaluron 10 EC	Summer	01	05	79.40	67.50	75.65 (borer infestation: 10.23 %)	61.24 (borer infestation: 23.12 %)	23.53	4.45
Vegetable seeds (kits)	-	Winter	1.5	100	7.80 Kg/day	6.20 Kg/day	7 Kg/day	5 Kg/day	40	9.3
Sugarcane	Sugarcane Bud cutter	Summer	01	10	890	850	870	780	11.5	1.99
Wheat	ZT sowing (DBW-187)	Rabi	02	05	39.8	32.7	35.5	30.6	16.01	2.15
Poultry	Kuroilers	-	-	52	1.2 kg Live wt.	2.6 kg Live wt.	2.2 kg Live wt.	1.7 kg Live wt.	29.41	2.17
Honeybee boxes, equipments and technical guidance	<i>Apis mellifera</i> boxes	-	-	04	27 kg/colony	35 kg/colony	33 kg/colony	28 kg/colony	17.85	9.42
Total			22.8	231						

H. CFLD on Pulses										
Crop	Variety/ Tech demo.	Season	Area (ha)	No. of Farmer	Production q/ha			Local check	Increase in	BC ratio
					H	L	A			

		Rabi		s				(q/ha)	yield %	
NA	NA	NA	NA	NA	NA	NA	NA	NA	NA	NA
		Total								

I. CFLD on Oilseed

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (ha)	No. of Farmers	Production q/ha			Local check (q/ha)	Incre ase in yield %	BC ratio
					H	L	A			
Rapeseed & Mustard	R. Suflam-1 Seed rate: 5 kg/ha Line sowing Seed treatment: PSB and Carbendazim @ 2 g/kg Zinc 33% @12.5 kg/ha and Sulphur 90 % @ 25 kg/ha Imidacloprid 17.8 SL @ 100 ml/ha	Rabi	250	753	20.0	12.0 2	15.07	12.50	20.56	3.21
	Total		250	753	20.0	12.0 2	15.07	12.50	20.56	3.21

J. Projects: (i) CRA Project

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (ha)	No. of Farmers	Production q/ha			Local check (q/ha)	Incre ase in yield %	BC ratio
					H	L	A			
Paddy	DSR	Kharif	120	300	62.5	33.3	43.8	40.6	7.38	1.69
	AWD	Kharif	36	90	60.6	32.9	42.3	39.4	7.36	1.72
	WHFB	Kharif	16	40	55.6	35.8	39.9	36.9	8.13	1.81
	Nutrient Expert	Kharif	10	25	64.7	43.2	45.8	39.6	15.65	1.92
	CI	Kharif	8	20	55.1	44.4	47.8	38.9	22.87	1.95
Maize	RBP	Kharif	12	30	65.0	40.5	55.0	48.4	13.63	1.35
Maize + Pigeon Pea	Inter cropping	Kharif	16	40	38.5	30.6	33.6	31.8	5.6	1.26
Pigeon Pea	RBP	Kharif	20	50	16.4	12.7	13.7	11.25	21.77	3.6
Wheat	ZT	Rabi	12	30	49.8	31.7	42.8	38.2	12.04	1.96
	RBP	Rabi	4	10	46.7	30.8	41.8	36.3	15.15	2.02
	Nutrient Expert	Rabi	6	15	52.5	36.8	45.8	38.9	17.73	2.15
	CI	Rabi	8	20	48.9	40.7	43.8	38.4	14.06	2.05
Maize	ZT/Line Sowing	Rabi	56	167	45.0	25.6	35.7	35.2	1.42	0.5
	RBP	Rabi	28	70	46.9	24.8	36.8	35.2	4.54	0.67
Lentil	ZT/Line Sowing	Rabi	34	141	14.5	7.8	10.5	8.15	28.83	2.35
Mustard	RBP	Rabi	100	267	18.5	13.7	15.7	12.34	27.22	3.2
Potato	Potato	Rabi	1.2	12	202.	147.	160.	151.9	5.66	1.56

	Based Farming				5	9	5			
Moong	ZT	Summer	100	250	12.0	5.5	7.5	6.4	17.18	2.1
Total			587.2	1577						

Note: Any one success story with photograph.

ii) ARYA Project							
Sl. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	NA	NA	NA	NA	NA	NA	NA
Total							

Note: Impact of project and any one success story with photograph.

(iii) NARI Project/Poshan Vatika							
Sl. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Training programmes	12	09	02	119	196	326
2.	FLD (Vegetable seed kit)	01	16	10	104	70	200
3.	FLD (Vegetable Seedlings)	02	01	10	15	42	68
4.	Nutri-garden	27	03	01	15	08	27
5.	Poshan Mah	02	00	01	28	21	50
6.	Field visits	07	11	07	61	49	128
Total		51	40	31	342	386	799

(iv) NICRA Project							
Sl. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	NA	NA	NA	NA	NA	NA	NA
Total							

Note: Impact of project and any one success story with photograph.

(v) SC-SP Programme							
Sl. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Honeybee boxes with equipments	00	05	00	00	05	
2.	Fruitfly traps and yellow sticky traps	00	33	00	40	70	
3.	Seed treatment drums	00	09	00	00	09	
4.	Demonstration of bio-fortified wheat seed	00	20	00	05	25	
5.	Zero till/Line sowing of wheat	00	05	00	00	05	
6.	Demonstration of hermetic bags for grain storage	00	04	00	21	25	
7.	Demonstration of Sugarcane detrapper	00	00	00	25	25	
8.	Demonstrations of Banana chips making machine	00	00	00	12	12	
9.	Demonstration of vegetable seedlings	00	01	00	27	28	
10.	Demonstration of nutri garden kit	00	15	00	85	100	
11.	Demonstration of green gram (var: Virat) under SCSP	00	13	00	17	30	

12.	Demonstration of vermin-bed for vermicompost preparation under SCSP	00	06	00	15	20
13.	Demonstration of papaya (Red lady) under SCSP	00	07	00	00	07
Total		00	113	00	249	361

(vi) TSP Programme

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	NA	NA	NA	NA	NA	NA	
Total							

Note: Impact of programme and any one success story with photograph.

(vii) CSISA Programme

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	NA	NA	NA	NA	NA	NA	
Total							

(viii) DAMU Programme

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	NA	NA	NA	NA	NA	NA	
Total							

(ix) Seed Hub Programme

SI. No.	Name of Crop	Variety of Crop	Area (ha.)	Number of Farmers	Total Seed procured (q.)	Total Seed Sale (q.)
1.	NA	NA	NA	NA	NA	NA
Total						

(x) Skill Development Programme

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
Total							

(xi) Natural Farming

A. Capacity building programmes

Activity	Number	Beneficiaries		
		Male	Female	Total
Training	02	45	28	73
Awareness programmes	00	00	00	00
Total	02	45	28	73

B. Demonstrations

Kharif 2024

Demo	Crop	Variety	Yield (q/ha)		Cost of Cultivation (Rs/ha)		Gross Return (Rs/ha)		Net Return (Rs/ha)		B:C Ratio	
			NF Demo Yield	Check Yield	NF Demo	Check	NF Demo	NF Check	NF Demo	Check	NF Demo	Check
KVK Gopalganj	Paddy	Neelam	19.74	27.40	26000	38000	45402	63020	19402	25020	1.75	1.66
Farmers' fields	Paddy	R. Mansuri	21.64	29.91	27000	39000	49772	68793	22772	29793	1.84	1.76

Rabi 2024-25

Demo	Crop	Variety	Yield (q/ha)		Cost of Cultivation (Rs/ha)		Gross Return (Rs/ha)		Net Return (Rs/ha)		B:C Ratio	
			NF Demo Yield	Check Yield	NF Demo	Check	NF Demo	Check	NF Demo	Check	NF Demo	Check
KVK Gopalganj	Wheat	DBW-187	21.44	29.42	27000	37000	48776	66930	21776	29930	1.81	1.80
Farmers' fields	Wheat	DBW-187	29.35	36.23	29000	38000	66771	82423	37771	44423	2.30	2.16

Glimpses of various activities under natural farming



Training programme



Awareness programme



Demonstration at KVK



Demonstration at farmer's field



Crop cutting

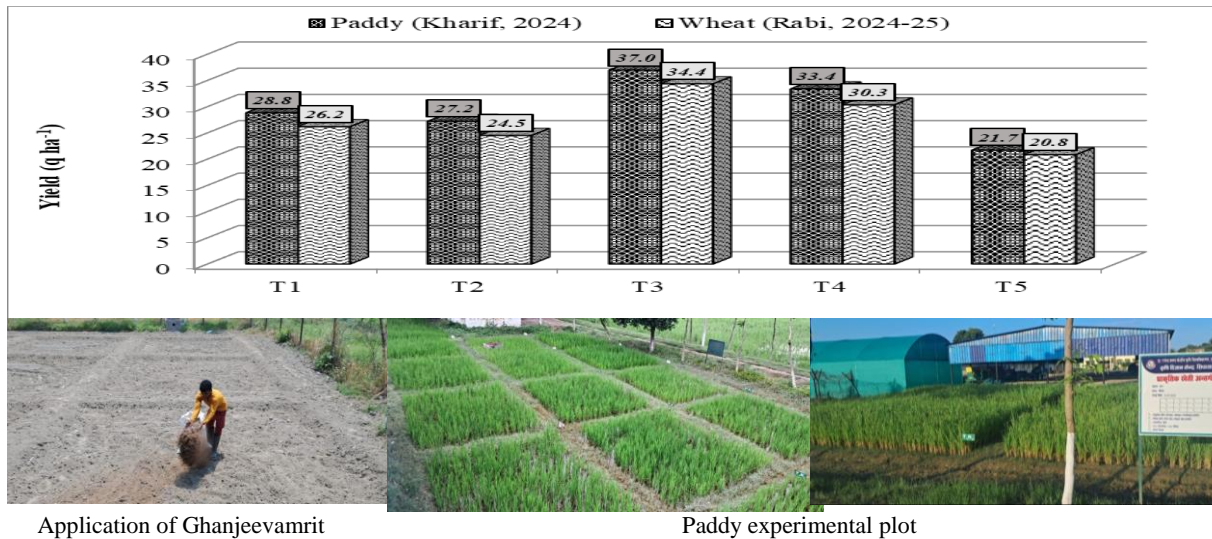


Method demonstration

C. Results of experimental plot of natural farming

Seasons: 1. <i>Kharif</i> (Paddy; Neelam) (2024) 2. <i>Rabi</i> (Wheat; DBW-187) (2024-25)	Detail of layout: • Plot size: 15 m ² • Treatments: 05 • Replications: 04
	T1: Natural farming T2: Organic farming T3: Conventional farming T4: INM T5: Control

Yield of paddy (Kharif, 2024) and wheat (2024-25)



K. On Farm Trial: 01

Discipline : Agricultural Engineering
Title : Assessment of Happy seeder for wheat sowing under crop residue management
Crop : Wheat
No. of Trials : 08
Area : 1.0 ha

Treatment	Technology
FP	Broadcasting (in tilled condition)
TO ₁	Sowing of wheat by Happy seeder incorporating the crop residue
TO ₂	Removal of crop residue and sowing by Zero Till drill

Treatments	Yield				Increase in yield (%)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
	No. of effective tiller/hill	No. of grain per ear head	Test wt. (100 grain wt.)	Yield q/ha					
FP	11.63	34.75 ^a	3.06 ^a	33.32 ^a	-	35214	75805.84	40591.84	2.17
TO ₁	18.88	45.50 ^b	3.96 ^b	38.37 ^b	15.16	32150	87294.59	55144.59	2.72
TO ₂	15.13	43.62 ^b	3.78 ^b	37.76 ^b	13.33	31784	85906.84	54122.84	2.70
CD at 5%		3.221	0.539			3.303			
SEm ±		1.095	0.18			1.123			
C.V		7.499	14.31			8.706			

Conclusion: Significant difference ($P < 0.05$) in no. of grains, grains weight and wheat yield were observed for technology options over farmer practices. TO₁ was best in terms of yield (37.76 q/ha) and benefit-cost ratio (2.72). However, no significant difference was observed among TO₁ and TO₂.



Wheat sown by Zero till drill



Sowing of wheat by Happy seeder incorporating the crop residue



Crop Cutting

K. On Farm Trial: 02

Discipline : Agricultural Engineering
Title : Assessment of different packaging materials on the shelf life of oyster mushroom
Crop : Oyster Mushroom
No. of Trials : 08

Treatment	Technology
FP	Sun drying
TO ₁	Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer)
TO ₂	Biodegradable LDPE bag (40-60 micron or 100-150 gauge) (wash in plain water, pretreated with 0.1% Citric acid and 0.05 % KMS)

Results:

Effect of different packaging material on shelf life of oyster mushroom

Technology options	Rehydration Ratio				Colour				Overall acceptability			
	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days	Initial	30 days	60 days	90 days
FP	2.83 ^b	2.60 ^b	2.30 ^b	2.19 ^b	6.1 ^c	6.0 ^c	5.8 ^c	5.6 ^c	6.3 ^c	6.1 ^c	5.6 ^c	5.2 ^c
TO ₁	3.64 ^a	3.60 ^a	3.52 ^a	3.42 ^a	7.2 ^b	7.0 ^b	6.7 ^b	6.6 ^b	7.2 ^b	6.7 ^b	6.6 ^b	6.4 ^b
TO ₂	3.73 ^a	3.68 ^a	3.55 ^a	3.50 ^a	8.5 ^a	8.4 ^a	8.1 ^a	7.7 ^a	8.5 ^a	8.3 ^a	8.1 ^a	7.7 ^a
	0.29	0.35	0.41	0.42	0.66	0.64	0.67	0.62	0.63	0.64	0.70	0.71
	0.240	0.176	0.273	0.219	0.299	0.360	0.410	0.264	0.227	0.360	0.346	0.372

Conclusion: The results demonstrated that technology option 2 (TO₂) showcased superior outcomes. It achieved higher rehydration ratios of 3.73, 3.68, 3.55, and 3.50 for initial, 30 days, 60 days, and 90 days, respectively as well as better colour and overall acceptability compared to technology option 1 (TO₁). Although no significant difference was observed between TO₁ and TO₂ in rehydration ratio, yet statistically differences in terms of color and overall acceptability when compared not only to farmer practices but also to each other. Among the options, TO₂ emerged as the preferred choice in terms of overall acceptability.



Oyster Mushroom Cultivation



Low cost solar dryer

K. On Farm Trial: 03

Discipline : Agricultural Engineering
Title : Assessment of different planting techniques of Maize
Crop : Maize
No. of Trials : 10
Area : 1.0 ha

Treatment	Technology
FP	Manual Planting
TO ₁	Manual Dibbler (Vertical)
TO ₂	Manual Rotary Dibbler

Result											
Treatments	Technical Indicator					Yield q/ha	Increase in yield (%)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
	Field Capacity (ha/h)	Labour saving (man-days)	Heart Rate (Beats/min)	Energy Expenditure (Kj/Min)	Germination %						
FP	0.0092 ^c	0 ^c	104.9	7.96 ^b	83.7	51.05 ^b	-	54516	113586.25	59070.25	2.08
TO ₁	0.0111 ^b	2.4 ^b	108.2	8.48 ^a	81.2	49.04 ^c	-3.94	54406	109114.00	54708.00	2.01
TO ₂	0.0288 ^a	9.3 ^a	101.1	7.35 ^c	84.1	52.87 ^{a,b}	3.57	51596	117635.75	66039.75	2.28
CD at 5%	0.002	0.620	-	0.521	-	1.955		-	-	-	-
SEm ±	0.001	0.207	-	0.174	-	0.653		-	-	-	-
C.V	10.302	16.734	-	6.932	-	4.049		-	-	-	-

Conclusion: Significant difference in field capacity, labour saving and Energy Expenditure were observed for technology options compared to farmer practices. TO₂ was the best in terms of yield (52.87 q/ha) and benefit-cost ratio (2.28). However, no significant difference was observed yield among between FP and TO₂.



Manual Dibbler



Manual Rotary Dibbler

K. On Farm Trial: 04

Discipline : Agricultural Engineering
Title : Assessment of wheat sowing machinery
Crop : Wheat
No. of Trials : 10
Area : 1.0 ha

Treatment	Technology									
FP	Manual wheat sowing									
TO ₁	Sowing of wheat by tractor-operated Happy seeder									
TO ₂	Sowing of wheat by tractor-operated Super seeder.									
Result										
Treatments	Technical Indicator				Yield q/ha	Increase in yield (%)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
	Plant Population (Plant/m ²)	Fuel consumption	Field Capacity (ha/h)	Field Efficiency						
FP	111.8 ^c ±4.83	NA	NA	NA	40.49 ^c ±0.423	-	43691	92114.8	48423.8	2.11
TO ₁	124.14 ^b ±3.27	4.47 ±0.137	0.385 ±0.004	68.44	43.1 ^{a,b} ±0.505	6.45	32847.23	98052.5	65205.3	2.99
TO ₂	136.33 ^a ±5.34	6.79 ±0.114	0.252 ±0.002	64.00	44.28 ^a ±0.732	9.36	35059.23	100737	65677.8	2.87
CD at 5%	10.698	-	-	-	1.272		-	-	-	-
SEm ±	3.573	-	-	-	0.425		-	-	-	-

C.V	9.123	-	-	-	3.153	-	-	-	-
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Conclusion: Significant difference in plant population and wheat yield were observed for technology options over farmer practices. TO₁ was best in terms of benefit-cost ratio (2.99). However, no significant difference was observed yield among between TO₁ and TO₂.



Wheat sowing through Happy seeder



Wheat sowing through Super Seeder

K. On Farm Trial: 05

Discipline : Home Science
Title : Evaluation of sugarcane stripper in drudgery reduction
Crop : Sugarcane
No. of Trials : 07
Area : 1.0 ha

Treatment	Technology
FP	People use local made sickles for stripping operation often causing injury
TO ₁	Sugarcane stripper (IISR, Lucknow)
TO ₂	Sugarcane detrashing tool (ICAR- Sugarcane breeding institute Coimbatore)
Result	

Evaluation of sugarcane stripper in drudgery reduction

Technology options	Amount (Q)	Gross Cost	Gross Return	Incidence rate/person/day (6hr.)	BC ratio
FP	14	100	3850	12	38.5
TO ₁	31.5	150	8662.5	5	57.7
TO ₂	38.5	570	10587.5	0	18.5

Conclusion: Drudgery reduction in sugarcane detrahser was observed higher followed by sugarcane stripper and farmers' practice.



Sugarcane stripper



Sugarcane detrasher

K. On Farm Trial: 06**Discipline** : Home Science**Title** : Assessment of adulteration in milk used by people from different sources**No. of Trials** : 07

Treatment	Technology
FP	Tests for adulterants not practiced by the consumers
TO ₁	Adulterant detection kit (NDDB, Anand)
TO ₂	Sugarcane detaching tool (ICAR- Sugarcane breeding institute Coimbatore)

Result**Assessment of Knowledge and attitude of respondents after intervention**

Technology options	Low	Medium	High	Mean (Score±SD)
F.P	7	0	0	0
TO ₁	0	1	6	6.8±0.89
TO ₂	0	2	5	6.1±1.45

Low: Score gain by respondents (0-10) on the basis of questionnaire.**Medium:** Score gain by respondents (11-20) on the basis of questionnaire.**High:** Score gain by respondents (21-30) on the basis of questionnaire.**Conclusion:** Knowledge attitude of respondents for TO₁ was observed higher followed by TO₂ and Farmer's Practice.

Demonstration of milk adulteration kit

K. On Farm Trial: 07**Discipline** : Animal Science**Title** : Low cost scavenging poultry**No. of Trials** : 10

Treatment	Technology
FP	Scavenging in backyard poultry
TO ₁	30 grams maize and 10 grams mustard cakes with scavenging /bird
TO ₂	30 grams moringa dry leaves and 10 grams earthworms with scavenging/bird

Result**Table 7 Live Body Weight (grams)**

T.O.	1 st wk	2 nd wk	3 rd wk	4 th wk	5 th wk	6 th wk
F.P	85.0 ^a	186.2 ^a	336.6 ^a	537.6 ^a	750.8 ^a	1003.0 ^a
TO ₁	100.4 ^b	220.8 ^b	412.8 ^b	663.2 ^b	938.2 ^b	1209.8 ^b
TO ₂	98.8 ^b	221.0 ^b	411.4 ^b	687.4 ^b	985.0 ^b	1279.2 ^b
SEm	0.22	0.33	0.46	0.53	0.56	0.63
CD	0.64	0.95	1.35	1.54	1.64	1.85

Table 8 Feed Consumption (grams)

T.O.	1 st wk	2 nd wk	3 rd wk	4 th wk	5 th wk	6 th wk
F.P	82.9 ^a	1085.9 ^a	1168.8 ^a	2254.7 ^a	750.8 ^a	1003.0 ^a
TO ₁	85.0 ^b	1294.8 ^b	1379.8 ^b	2674.6 ^b	938.2 ^b	1209.8 ^b
TO ₂	99.2 ^b	1378.4 ^b	1477.6 ^b	2856.0 ^b	985.0 ^b	1279.2 ^b
SEm	1.85	0.44	1.86	2.66	3.26	4.21
CD	0.15	0.15	0.64	0.91	1.12	1.44

Table 9 Feed Conversion Ratio

T.O.	1 st week	2 nd week	3 rd wk	4 th wk	5 th wk	6 th wk
F.P	0.97	1.38	1.67	1.94	2.17	2.27
TO ₁	0.86	1.22	1.42	1.67	1.84	1.95
TO ₂	1.02	1.37	1.54	1.69	1.80	1.96



Conclusion: Supplementation of maize and mustard cake (30 grams and 10 grams respectively daily per bird) or dry moringa leaves and earthworm (30 grams and 10 grams respectively daily per bird) performed better than farmers practice.

K. On Farm Trial: 08

Discipline : Plant Protection
Title : Management of brown spot disease of paddy
Crop : Paddy
No. of Trials : 10

Treatment	Technology
FP	Spray of carbendazim 50 WP @ 2g/lt
TO ₁	<ul style="list-style-type: none"> Seed treatment with Trichoderma sp. @5 g/ kg seed Two sprays of Tebuconazole 50%+ Trifloxystrobin 25% WG @ 2 ml/lt at 15 days interval.
TO ₂	<ul style="list-style-type: none"> Seed treatment with carbendazim 50 WP @ 2g/Kg seed Need based sprays of chlorothalonil 75 WP @ 2g/lt at disease initiation

Result

Efficacy of fungicides against brown spot disease of paddy

Technologies	Disease incidence (%)					% reduction over FP
	45 DAP	60 DAP	75 DAP	90 DAP	Mean	
FP	17.33	29.67	37.33	46.33	32.67 (34.79) ^a	-
TO ₁	4.00	11.33	16.00	23.33	13.67 (21.60) ^c	58.16
TO ₂	7.33	16.00	24.33	29.67	19.33 (25.98) ^b	40.83
SEm±					0.80	
CD (<i>p</i> = 0.05)					(2.39)	
CV					9.22	

*Figures in parentheses are arc sin transformed values. Values in brackets with same letters within a column are not significantly different from each other

Efficacy of fungicides against brown spot disease of paddy

Technologies	Disease severity (%)					
	45 DAP	60 DAP	75 DAP	90 DAP	Mean	% reduction over FP
FP	16.11	27.78	34.31	41.43	29.91 (33.14) ^a	-
TO ₁	3.92	12.03	14.93	19.76	12.66 (20.82) ^c	57.67
TO ₂	5.66	14.99	21.15	25.58	16.84 (24.22) ^b	43.69
SEm±					0.22	
CD (<i>p</i> = 0.05)					(0.66)	
CV					2.65	

*Figures in parentheses are arc sin transformed values. Values in brackets with same letters within a column are not significantly different from each other

Effect of fungicidal applications on yield of paddy

Technology options	Yield (q/ha)	Increase in yield (%)	Cost of cultivation (Rs./ha)	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C ratio
FP	25.7 (5.17) ^c	-	37000	59110.00	22110	1.60
TO ₁	35.4 (6.03) ^a	37.74	38000	81420.00	43420	2.14
TO ₂	31.1 (5.66) ^b	21.01	38000	71530.00	33530	1.88
SEm±	0.04					
CD (<i>p</i> = 0.05)	(0.13)					
CV	2.47					

MSP of paddy= Rs. 2300/q

Conclusion: TO₁ was found to be significantly superior in reducing disease incidence (13.67 %) and disease severity (12.66 %) followed by TO₂ as compare to farmers’ practice. The yield was also higher in TO₁ (35.4 q/ha). Thus TO₁ including seed treatment with *Trichoderma* sp. @5 g/ kg seed and two sprays of Tebuconazole 50%+ Trifloxystrobin 25% WG @ 2 ml/lit at 15 days interval can be recommended for the management of brown spot disease of Paddy.



Application of fungicides



Brown spot damage symptoms

K. On Farm Trial: 09

Discipline : Plant Protection
Title : Integrated pest management of sugarcane borers
Crop : Sugarcane
No. of Trials : 10

Treatment	Technology
FP	Application of Carbofuran 3 G @ 30 kg/ha at the time of planting
TO ₁	Sett treatment with chlorpyriphos 20 EC @ 40 ml/10 litre water for 2 minutes; Installation of sex pheromone traps @ 27/ha at 45 DAP (Lure change at an interval of 45 days); Application chlorantraniliprole 18.5 SC @ 375 ml/ha at 60 DAP
TO ₂	Sett treatment with chlorpyriphos 20 EC @ 40 ml/10 litre water for 2 minutes; Release of <i>Trichogramma</i> egg parasitoids @ 50,000/ha at 45, 75, 150 DAP; Application chlorantraniliprole 18.5 SC @ 375 ml/ha at 60 DAP
Result	Awaited (Ongoing from March, 2025)



Sett treatment



Spray of insecticide



Installation of pheromone traps

Release of *Trichogramma*

K. On Farm Trial: 10

Discipline : Crop Production
Title : Assessment of use efficiency of Nano DAP in Wheat
Crop : Wheat
No. of Trials : 10

Treatment	Technology
FP	RDF: N:P ₂ O ₅ :K ₂ O (120:60:40) Kg/ha
TO ₁	50% P as DAP at basal , 100%N,K+ Seed treatment with Nano DAP @ 5ml/kg seed + 1 st Spray with Nano DAP @ 4ml/L water at tillering stage + 2 nd Spray with Nano DAP @ 4ml/L at panicle initiation stage
TO ₂	75% P as DAP at basal, 100% N, K + Seed treatment with Nano DAP @ 5ml/kg seed + Spray with Nano DAP @ 4ml/L water at tillering stage
Result	

Effect of Nano DAP in on different yield parameters of wheat crop

Technology options	Number of effective tillers/m ²	Panicle weight (g)	Test weight (g)	Grain yield (q/ha)	Straw yield (q/ha)	Increase in grain yield (%)	Cost of cultivation (Rs./ha)	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C ratio
FP	312.87	2.95	39.02	39.62	50.75	-	39899	90445	50546	2.26
TO ₁	325.62	2.80	40.57	42.11	52.37	6.28	40827	97850	57023	2.39
TO ₂	321.62	3.02	40.88	40.18	51.5	1.41	41671	95550	53879	2.29
SEm±	0.42	-	-	0.24	-	-	-	-	-	-
C.D.	4.8	NS	NS	2.7	NS	-	-	-	-	-

Conclusion:

The effective tillers were significantly higher for TO₁ (325.62) followed by other treatments. However, the effect of the treatments on panicle weight and test weight has shown non-significant results. Also, significantly higher yield was recorded for TO₁ (42.11 q/ha) as compared to FP (39.62 q/ha) and TO₂ (40.18 q/ha). These

findings indicate that seed treatment along with two sprays of Nano DAP has been effective in increasing the number of tillers for wheat crop. The B:C ratio and net return was highest for TO₁ as compared to other two treatments. Thus, TO₁ (*viz.* 50% P as DAP at basal, 100%N,K+ Seed treatment with Nano DAP @ 5ml/kg seed + 1st Spray with Nano DAP @ 4ml/L water at tillering stage + 2nd Spray with Nano DAP @ 4ml/L at panicle initiation stage) is recommended for wheat cultivation under the agroclimatic conditions of Gopalganj district.



Seed treatment



Spray of Nano DAP



Wheat crop



Wheat crop

K. On Farm Trial: 11

Discipline : Crop Production

Title : Assessment of the effect of growth regulators on the yield of Sugarcane

Crop : Sugarcane

No. of Trials : 10

Treatment	Technology
FP	FP: N:P ₂ O ₅ :K ₂ O (150:85:60) Kg/ha
TO ₁	Planting of setts after overnight soaking in Ethrel @ 50 ppm and GA3 spray @ 35 ppm at 90, 120 and 150 DAP
TO ₂	Planting of setts after overnight soaking in Ethrel @ 100 ppm and GA3 spray @ 35 ppm at 90, 120 and 150 DAP
Result	Awaited (Ongoing from February, 2025)



Spray of GA3



L. TV Talk/Radio Talk

Sl. No.	Topic of the talk	Name of Scientist	TV/Radio talk station	Date of Recoding
1.				
Total				

M. Other Special programme/ salient achievement/activities conducted at KVK

Sl. No.	Particulars	Date	No. of Participants
1	Release of 109 varieties developed by ICAR	11.08.2024	53
2	Live streaming of launch of NPSS Application (National Pest Surveillance System)	15.08.2024	32
3	Kharif Mahabhiyan	27.05.2024	400
4	Kharif Mahabhiyan	June, 2024	199
5	Climate resilient varieties and technologies in Agricultural Production	23.09.2024	44
6	Crop diversification and best practices	24.09.2024	50
7	Agri-business and value addition	25.09.2024	25
8	Financial and government support for farmers	26.09.2024	30
9	Innovative Agricultural Practices for Sustainable Farming	27.09.2024	33
10	Farmers' Scientist Interaction	04.09.2024	50
11	Package & practices of wheat seed production	26.10.2024	322
12	Pest management under field and storage conditions during wheat seed production	26.10.2024	
13	District level <i>Rabi</i> mahaabhiyan at Gopalganj	11.11.2024	200
14	Rabi Mahaabhiyan	13.11.2024	74
15	Rabi Mahaabhiyan	13.11.2024	50
16	Rabi Mahaabhiyan	18.11.2024	200
17	Live telecast of First Episode of Krishi Episode	07.12.2024	90
18	Scientist-farmers' interaction programme	15.01.2025	50
19	Live Telecast of 19 th instalment under PM Kisan Samman Nidhi Yojana	24.02.2025	295
Total			2197

N. SAC conducted at KVK

Sl. No.	Particulars	Date	No. of Participants
1.	The meeting was chaired by Dr. Mayank Rai, Director of Extension Education, Dr. Rajendra Prasad Central Agricultural University, Pusa. In the meeting, other officials from Dr. Rajendra Prasad Central Agricultural University, Pusa, including Dr. A.K. Singh, Director of Research; Dr. D.K. Roy, Director of Seeds; Dr. Ratnesh Kumar Jha, Professor of Agronomy; and Dr. Sanjeev Kumar, Assistant Professor of Extension Education, were present. The progress report for 2024–25 and the proposed programme for 2025–26 were presented in detail, and the committee members provided many suggestions.	09.09.2025	27

O. List of visitors at KVK		
Date	Name & Designation	Purpose of visit
09.04.2024	Dr. D.K. Roy, Director, Seed, RPCAU, Pusa	Seed production monitoring visit
12.04.2024	Smt. Priyanka Kumari, ADAE, Gopalganj	Crop cutting
12.04.2024	Ms. Renu Kumari, Dy. PD ATMA, Gopalganj	Crop cutting
12.04.2024	Shri Vikas Kumar, SDAO, Gopalganj	Crop cutting
15.04.2024	Ms. Renu Kumari, Dy. PD ATMA, Gopalganj	Crop cutting
16.04.2024	Smt. Priyanka Kumari, ADAE, Gopalganj	Crop cutting
19.04.2024	Shri Ashok Kumar, Project Manager, Industry Dept. Gopalganj	Data collection
31.05.2024	Dr. Anupam Lal Kusumkar, DDM, NABARD, Gopalganj	Discussion regarding FPOs
05.07.2024	Shri B.M. Tripathi, DAO, Gopalganj	Discussion about CRA activities and field visits
15.07.2024	Shri Ramashish Sinha, PGT (Bio), JNV Gopalganj	Interaction of school students with KVK Officials and field visits
15.07.2024	Shri Mukesh Kumar, PGT (Pol. Sci), Sahu Jain Girls School, Mirganj, Gopalganj	Interaction of school students with KVK Officials and field visits
15.07.2024	Shri Chandu Kumar, PGT (Botany), Sahu Jain Girls School, Mirganj, Gopalganj	Interaction of school students with KVK Officials and field visits
15.07.2024	Smt Santosh Kumari, Music Teacher, JNV Gopalganj	Interaction of school students with KVK Officials and field visits
01.08.2024	Ms. G.K. Jahnawee, Probation Officer, Home (Jail Correctional), Distt Probation Office, Chanave Jail Campus, Gopalganj	Interaction about nature of trainings being conducted by KVK Gopalganj
04.08.2024	Dr. Ashok Kumar Singh, SAHO Gopalganj	Scientists Farmers' interaction
04.09.2024	Ms. Renu Kumari, Dy. PD ATMA, Gopalganj	Scientists Farmers' interaction
27.09.2024	Shri Ranjeet Pratap Pandit, Dy. Director (Hort.) BAMETI, Patna	CRAP monitoring visit

P. Participation in National Conference, Sumer/Winter School, Workshop, Training Programme etc.		
Name of Programme	Nature of Programme Attended	Date
National Conference	National Conference on "Hill Agro-Ecosystem: Challenges and Opportunities for Achieving Sustainable Development Goals"	29.11.2024 to 30.11.2024
Workshop	Recent Advances in Livestock, Poultry and Fisheries	09.04.2024 to 10.04.2024
	OFT finalization workshop	14.06.2024 to 15.06.2024
	OFT finalization workshop	27.06.2024 to 28.06.2024
	Regional consultation on Science of NF	19.07.2024
	OFT finalisation workshop	24.07.2024
	OFT finalisation workshop	25.07.2024 to 26.07.2024
	CFLD Workshop	03.02.2025 to 04.02.2025
Training Programme	Recent Advances in Livestock, Poultry and Fisheries	09.04.2024 to 10.04.2024
	Training programme on e-office	14.06.2024
	Capacity building programme	19.06.2024
	One Day Training Programme on Natural Farming	08.01.2025
	One Day Training Programme on Oilseed Production	11.02.2025

	Technology under NFSM Oilseeds	
Seminar/Symposium	National Seminar on Agri-Diversification and Eco Regional Farming	04.03.2025 to 05.03.2025
Others (Meetings)	CRA review meeting	06.04.2025
	DAC project meeting	10.05.2024
	CFLD Krishi Mapper review meeting	15.05.2024
	Interaction meeting with Hon'ble DDG (AE)	16.05.2024
	KVK review meeting	06.06.2024
	Preparation of 100 days action plan of KVKs	01.07.2024
	Zonal Workshop	02.08.2024
	ATMA Governing Board Meeting	24.08.2024
	Stakeholder's Meet on Severe Weather and Meteorological Services in the state of Bihar	18.12.2024
	Review Meeting of Kisan Mela-2025	09.01.2025
	Convergence Meeting of ATMA, ATARI, Patna and KVKs	10.01.2025
	Scientist Farmer Interaction Programme	15.01.2025
	PM KISAN Samman Nidhi Yojna	18.02.2025
	International Women's Day	04.03.2025
Financial Review Meeting	03.03.2025, 17.03.2025, 24.03.2025, 27.03.2025	

Q. Other Extension activities

Sl. No.	Name of Ext. Activities	No. of Activities	Beneficiaries		
			Male	Female	Total
1.	Kisan Mela	03	225	32	257
2.	Kisan Gosthi	06	238	116	354
3.	Field Day	17	327	22	349
4.	Farmers Visit to KVK	1158	2317	874	3191
5.	Scientist Visit of farmers field	389	820	139	959
6.	Animal Health Camp	-	-	-	-
7.	Exposure Visit	05	221	111	332
8.	Lecture Delivered as Resource Person	39	6123	814	6937
9.	Number of Agro Advisories (By Phone)	468	623	276	899
10.	Number of SMS Advisories sent	332	555	116	671
11.	Number of Agro Metrological Advisories	84	341	46	387
12.	Special Day Celebration	11	255	159	414
Total		2512	12045	2705	14750

R. PUBLICATION: (i) Research papers published (01.04.2024 to 31.03.2025)

Name of the author (s)	Year	Title	Name of the Journal & NAAS Rating	Vol. No. & Page No.
Rana A, Kumar N, Roy R, Kumari A, Kumar R, Gautam A and Das S	2025	Field efficacy of <i>Trichoderma viride</i> , <i>Pseudomonas fluorescens</i> , and consortia of microbial agents against tomato late blight, <i>Phytophthora infestans</i> (Mont.) de Bary in Indo-Gangetic Plain of Bihar	<i>Crop Protection</i> NAAS: 8.50	https://doi.org/10.1016/j.cropro.2025.107128
Rana A, Chandel RS and Verma KS	2024	Population dynamics and crop damage assessment of Scarabaeid pests in the North-Western Himalayas	<i>International Journal of Pest Management</i> NAAS: 7.10	DOI:10.1080/09670874.2024.2399067
Anil, Subramanian S, Nysanth NS,	2024	Diversity of culturable bacteria in gut of white grub <i>Maladera insanabilis</i>	<i>Indian Journal of Entomology</i> NAAS:	DOI:

Ramesh KB and Rana A		(brenske)	5.59	10.55446/IJE.2 024.1334
Verma, K., Kushwah, S., Gautam, P.P., Kumari, S., Pallavi, P., Kumari, N. & Das, S.	2024	Assessment and development of nutrient-rich complementary food for unprivileged families in Vaishali district of Bihar	AATCC Reviews Journal NAAS: 6.00	12(2): 201-204
Kushwah, S., Das, S., Gautam, P.P., Kumari, N., Verma, K., Bharti, S., Singh, A K., Kundu, M.S., & Jat, R.K.	2024	Effect of different tillage practices on the growth and yield attributes of Potato (<i>Solanum tuberosum L.</i>)	AATCC Reviews Journal NAAS: 6.00	12(2): 166-169
Bharti, S., Kushwah, S., Gautam, P.P., Das, S., Verma, K. & Kumari, N	2025	Effect of Pinching on Growth, Flowering and Yield attributes in Marigold (<i>Tagetes erecta L.</i>) in Vaishali district of Bihar	AATCC Reviews Journal NAAS: 6.00	13(01): 226-231

(ii) Book Chapters (01.04.2024 to 31.03.2025)

Name of the author (s)	Year	Chapter	Name of Books & its ISBN No.	Pages	Name of Publisher
Rana A, Tandon V, Kapoor P, Katoch A.	2024	Life Cycle, Virulence, and Mechanism of Action of Entomopathogenic Fungi	Entomopathogenic Fungi ISBN: 9789819759903	https://doi.org/10.1007/978-981-97-5991-02 .	Springer, Singapore
Tandon V, Rana A, Kapoor P, Katoch A	2024	Biocontrol Potential and Specificity of Entomopathogenic Fungi	Entomopathogenic Fungi ISBN: 9789819759903	https://doi.org/10.1007/978-981-97-5991-06	Springer, Singapore
Thakur A, Thakur P, Rana A and Thakur I	2024	Policy and regulatory aspects for the remediation of heavy metals contaminated soils from different countries.	Bio-organic Amendments for Heavy Metal Remediation: Water, Soil and Plant Approaches and Technologies ISBN: 978-0-443-21610-7	447-457	Elsevier
Thakur P, Dev P, Thakur A, Rana A, Gill A and Mohit	2024	Bioremediation strategies for soil contaminated with heavy metal ions	Bio-organic Amendments for Heavy Metal Remediation: Water, Soil and Plant Approaches and Technologies ISBN: 978-0-443-21610-7	405-422	Elsevier
Dey P, Mahapatra BS, Mitra B, Sarvadamana AK, Chowdhury AR,	2024	Potential Nexus Approach for Sustainable Soil Productivity Resource	Environmental Nexus for Resource Management	243-273	CRC Press, Taylor & Francis

Rana A, and Mandal D		Management	ISBN: 9781003358169		Group
Sripriya Das, Vandana Kumari, Kiran Kumar Mohapatra, Sayon Mukherjee, Plabani Roy, Dibyajyoti Panda, Abhik Patra, Ashish Rai and Vijay Singh Meena	2025	Soil Microbiome and Vegetable Crop Interaction in Climate Change	Sustainable Agroecosystems- Principles and Practices ISBN: 978-0-85014-717-9	DOI: 10.5772/intechopen.1008720	Intech Open

(iii) Technical bulletins published (01.04.2024 to 31.03.2025)

Name of the Author (s)	Year	Title	Name of Publisher	No. of Pages	No. of Copies Printed	Price
Kumari, A., Roy, R., Kumar, N., Gautam, A., Rana, A., Das, S., Hussain, M.S., & Prasad, R	2025	Achievements of cluster front line demonstration (CFLD), Scientific cultivation practices and nutritional importance of demonstrated. KVK, Gopalganj,	RPCAU, Pusa, Samastipur. SIPA/KVK/EB/452/2025.	44	100	NA
Kumari A, Roy R.K., Kumar N and Rana A	2025	KVK at A Glance	KVK, Gopalganj, DrRPCAU Pusa G/KVK/EB/430/2024	14	200	NA

(iv) Popular articles published (01.04.2024 to 31.03.2025)

Name of the Author (s)	Year	Title	Name of the Magazine	Vol. No. & Page Numbers
Das S, Kumari A, Kumar N, Gautam A, Rana A and Kumar R.	2025	<i>Faslon mein sooksham poshak tatvon ka mehtav.</i>	<i>Unnat Takneeki: Atamnirbhar Bharat</i> (Published by KVK, Piprakothi, DrRPCAU Pusa)	Pp 102-103
Rana A, Kumari A, Kumar N, Das S, Gautam A and Kumar R. unnat takneeki: Atamnirbhar Bharat.	2025	Sarson ke pramukh keeton ka samekit prabandhan	<i>Unnat Takneeki: Atamnirbhar Bharat</i> (Published by KVK, Piprakothi, DrRPCAU Pusa)	Pp 133-134
Kumar N, Rana A, Kumari	2025	<i>Bahufasliya bubai ke liye</i>	<i>Unnat Takneeki:</i>	Pp 97-101

A, Roy R, Kumar R and Das S.		<i>multicrop planter.</i>	<i>Atamnirbhar Bharat</i> (Published by KVK, Piprakothi, DrRPCAU Pusa)	
Kumar N, Rana A, Kumari A, Das S and Kumar R	2025	Happy seeder ka mehtav aur dekhbhaal	<i>Adhunik Kisan</i> , DrRPCAU Pusa	Pp 20-22
Chatterjee N, Kumar N, Kumari A and Rana A.	2025	Mrida preekshan: jalwayu anukool krishi takneekon ka ek mehatavpuran hissa	<i>Adhunik Kisan</i> , DrRPCAU Pusa	Pp 16-19
Chandel RS, Verma KS, Rana A and Thakur H.	2024	Managing Cutworms in Maize	Agriculture & Food: e Newsletter	06(08): 134-136

Note: Brief write up and photographs should be inserted wherever necessary. Text for OFT and FLD should be clear and brief and may be given at appropriate place. Separate table for each OFT should be given.

ACTION PLAN

(April, 2025 to March, 2026)

A. Training Programme

(i) Practicing Farmers/Farm Women.

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci/ Extn.)	12	165	135	300
2.	Horticulture	00	00	00	00
3.	Plant Protection	12	175	125	300
4.	Home Science	12	250	50	300
5.	Vet. /Fisheries	00	00	00	00
6.	Agricultural Engineering	12	180	120	300
Total		48	770	430	1200

(ii) Rural Youth

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci./ Extn.)	04	65	35	100
2.	Horticulture	00	00	00	00
3.	Plant Protection	04	56	44	100
4.	Home Science	04	20	80	100
5.	Vet. /Fisheries	00	00	00	00
6.	Agricultural Engineering	04	60	40	100
Total		16	201	199	400

(iii) Extension Functionaries

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci/ Extn.)	02	50	25	75
2.	Horticulture	00	00	00	00
3.	Plant Protection	02	50	21	71
4.	Home Science	02	15	35	50
5.	Vet. /Fisheries	00	00	00	00
6.	Agricultural Engineering	02	29	21	50
Total		08	144	102	246

(iv) Vocational Training

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci/ Extn.)	01	14	11	25
2.	Horticulture	00	00	00	00
3.	Plant Protection	01	16	09	25
4.	Home Science	01	08	17	25
5.	Vet. /Fisheries	00	00	00	00
6.	Agricultural Engineering	01	15	10	25
Total		04	53	47	100

B. Seed Produced/Planting Material/Spawn/Varmicompost/Bio-Pesticide/Fingerlings/Chicks Production

Sl. No.	Crop	Variety/Species	Area (ha)/ Number	Expected Yield q/ha)/Number
Seed Production				
1.	Green gram	Virat	1.0	8.0
2.	Paddy	Swarna Sub-01	6.0	180.0
3.	Finger millet	RAU-08	3.0	30.0
4.	Pigeon pea	Rajendra Arhar-01	1.0	8.0
5.	Wheat	DBW-187/ Rajendra Gehun-4	6.0	180.0
6.	Chickpea	GNG-2299	1.5	22.0
7.	Mustard	Rajendra Suflam-01	2.0	28.0
8.	Linseed	TL-99	1.0	4.0
Planting Material				
	Bitter gourd	Pali	2000	2000
	Sponge gourd	S 16	2000	2000
	Ridge gourd	Panchwati	2000	2000
	Pumpkin	MPH 1	2000	2000
	Cucumber	Kamini	2000	2000
	Bottle gourd	Sheetal	2000	2000
	Papaya	Red lady	2000	2000
	Mango	Maldah, Dushari	300	300
	Tomato	Nayak	2000	2000
	Chilli	Alba	2000	2000
	Brinjal	Navkiran	2000	2000
	Cauliflower	Madhuri	3000	3000
	Cabbage	Green Flesh	3000	3000
	Broccoli	Fantasy	2000	2000
	Capsicum	Intruder	2000	2000

C. FLD

Season	Variety/ Tech demo.	Area (ha)/No.	No. of Demonstration
Spring (2025)	Use of insecticides and bio-pesticides to manage litchi fruit borer	1	05
All Season (2025)	Cultural and chemical practices of brinjal fruit and shoot borer management	1	15
Summer (2025-2026)	Hand tool for okra harvesting	25 units	25
Rabi and (2025-2026)	Solar dryer for drying oyster mushroom	2 units	10
Kharif (2025)	Nutri-garden kit	1.5	100
Kharif / Rabi (2025)	Grow bags	210 units	30
Spring (2026)	Foliar application of Zinc (Zn) and Boron in Sugarcane	10	25
Rabi (2025)	Bio-fortified wheat varieties	10	25

D. Other Extension activities

Sl. No.	Name of Ext. Activities	No. of Activities	Participants
1.	Kisan Mela	03	457
2.	Kisan Gosthi	06	354
3.	Field Day	17	349
4.	Farmers Visit to KVK	1158	3191
5.	Scientist Visit of Farmers Field	438	959
6.	Mobile Services	500	2000
7.	Exposure Visit	05	332
8.	Lecture Delivered as Resource Person	40	7000
9.	Any other (Pl. specify)		
Total		2167	14642
