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

7th Extension Education Council Report
(April, 2022 to March, 2023)

A. Profile of KVK

KVK, Name	-	Gopalganj
Latitude	-	26^{O} 57'69''
Longitude	-	84^{O} 37'62''
Farm Area (ha)	-	20.0
District	-	Gopalganj

Add Map

B. Staff Strength

SI. No.	Post	Group	Grade Pay	Sanctioned	Filled	Vacant
1.	Head	A	9000	01	1	0
2.	SMS-6	A	5400	06	3	3
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	1	0
10.	Tractor Driver	C	2000	01	1	0

C. Soil Samples Analyzed:

Number of Soil Samples Collected	Number of Soil Samples Analyzed	Soil Health Card Distributed
25	**10**	**10**

D. Status of revolving fund as on 31.03.2023 Rs. 7,59,537.00

E. Achievements of Training Programmes (Give only numbers):

(i) Practicing Farmers/Farm Women.

SI. 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.)	24	12	261	33	50	5	349
2.	Horticulture	24	4	63	11	25	11	100
3.	Plant Protection	24	24	472	69	65	11	617
4.	Home Science	24	23	57	30	275	253	805
5.	Vet. /Fisheries	12	2	29	3	5	13	50
6.	Agricultural	24	27	675	51	106	67	952

	Engineering							

(ii) Rural Youth:

SI. 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.)	6	1	23	3	1	0	27
2.	Horticulture	6	0	0	0	0	0	0
3.	Plant Protection	6	8	126	41	33	6	206
4.	Home Science		4	2	9	35	71	117
5.	Vet. /Fisheries	3	3	69	21	24	6	120
6.	Agricultural Engineering	4	3	68	0	9	0	76

(iii) Extension Functionaries:

SI. 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.)	-	-	-	-	-	-	-
2.	Horticulture	4	1	5	1	21	3	30
3.	Plant Protection	4	1	22	3	0	0	25
4.	Home Science	6	2	7	1	33	15	56
5.	Vet. /Fisheries	1	0	0	0	0	0	0
6.	Agricultural Engineering	4	0	0	0	0	0	0

(iv) Other Sponsored Training Programme:

SI. No.	Discipline	Achievement	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Plant Protection (Natural Farming)	12	455	17	76	0	547
2.	Ag. Engg. (CRA)	29	930	94	210	115	1380

(v) Vocational Training:

SI. No.	Discipline	Achievement	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Agronomy	1	23	3	1	0	27
2	Plant Protection	8	126	41	33	6	206
2.	Veterinary Science	3	69	21	24	6	120
3.	Home Science	4	2	9	35	71	117
4.	Ag. Engg.	3	68	0	9	0	76

F. i) Seed Produced:

Sl. No.	Crop	Variety	Area (ha)	Type of Seed	Seed Production			
					Quantity Produced (q)	Sold to		
						University	Farmers	Non Seed
1.	Wheat	DBW 252	6.0	FS	165.5	university		
2.	Pea	HUDP 15	0.4	FS	1.8	University		
3.	Rapeseed	R. Suflam	1.5	TL	12.5	University		
4.	Paddy	R. Saraswati	6.0	FS	160.5	University		
5.	Sugarcane	R. Ganna 1	0.5	CS	30			

ii) Planting Material/Spawn/Varmicompost/Bio-Pesticide/Fingerlings/Chicks Production

Sl. No.	Crop	Variety/Species	Quantity Produced (Nos.)	Sold to	
				Govt.	Farmers
1.	Bottle Gourd	Hybrid	399		√
2.	Sponge Gourd	Hybrid	334		√
3.	Ridge Gourd	Hybrid	60		√
4.	Cucumber	Hybrid	2290		√
5.	Biter Gourd	Hybrid	271		√
6.	Papaya	Red Lady	1203		√
7.	Cauliflower	Hybrid	600		√
8.	Cabbage	Hybrid	500		√
9.	Chilli	Hybrid	1500		√

G. FLD:

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			
Sorghum	CSV 32	Kharif	2.0	15	680	280	420	350	20	1.9
Poultry	Kuroiler	-	504 nos.	28	2.25 kg	1.5 kg	2.0 kg	1.5 kg	33	2.5
Mushroom	Oyster	-	10	10	35 kg/40 kg	19 kg/40 kg	32 kg/40 kg straw	21 kg/40 Kg. straw	52	5.9
Self propelled reaper cum binder	-	Rabi	4	10	Saving of Rs.4650 per day					

H. CFLD on Pulses:

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			

Pigeonpea	R. Arhar 1 Micronutrients, pesticides, Line sowing, PSB, Rhizobium and Carbendazim	Kharif	20	50	**Result Awaited**
Lentil	IPL-220 seed treatment, micronutrients, biofertilizers, pesticides	Rabi	20	60	**Result Awaited**
Green gram	Virat	Summer	20	50	**Result Awaited**

I. CFLD on Oilseed:

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (ha)	No. of Farmers	Production q/ha			Local check (q/ha)	Increase in yield %	BC ratio
					H	L	A			
Rapeseed and Mustard	RH 0749 Seed treatment, Herbicides, Micronutrients	Rabi	40	105	17.5	10.2	14.1	11.5		2.8
Rapeseed and Mustard	Rajendra Suflam PSB Herbicides, Micronutrients (Zinc and Sulphur), Insecticides	Rabi	50	130	18.6	11.4	15.2	11.35		3.21

J. Projects:

(i) CRA Project:

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

				s					%	
Paddy	ZT/ Drum seeder/ DSR/ broadcasting	Kharif								
	Rajshree		30.6	42	47.3	35.2	42	40	5	2.69
	R. Mahsuri		17	42	52.1	38.9	45	38	18.4	2.86
	R. Bhagwati		2	5	44.7	30.9	39	28	39.3	2.48
	R. Neelam		30	90	38.2	24.2	32	27	18.5	2.03
	R. Sweta		16.36	71	49.2	35.2	42	39	7.7	2.67
	R. Suwasini		26	55	48.3	36.9	42	35	20	3.67
Paddy	Alternate Wetting/ drying irrigation in rice R. Mahsuri		36	90	50.1	38.9	45	38	18.4	2.86
	Water harvesting and field bunding in rice Variety. R. Neelam		16	40	38.1	24.0	32	27	18.5	2.03
Paddy	Community Irrigation Var. R. Mahsuri		6	15	43.2	30.9	38	35	8.5	2.41
	Nutrient expert /green seeker based nutrient management	kharif	10	25	49.2	35.9	42	39	7.6	2.67
Maize	Raised bed SMH 5522	Kharif	20	124	82.6	50.7	65	52	5.8	2.25
Pigeon pea	Raised bed Variety R. Arhar 1	kharif	28	70	21.6	13.8	16.2	11.2	38.4	3.84
Green gram	Zero Tillage IPM 2-14	Summer	100	350	10.6	8.1	9.3	7.3	27.3	2.5
	LLL		80	200						

(ii) ARYA Project:

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

2.							
3.							
4.							
5.							

(iii) NARI Project/Poshan Vatika

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Model garden maintenance at five villages	5	31	3	10	5	49
2.	Poshan Pakhwada	2	0	0	0	74	74
3.	Nutri-Garden	1	9	0	16	25	50

(iv) NICRA Project:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
2.							
3.							
4.							
5.							

(v) SC-SP Programme:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Kuroilers (5 weeks old)	2	0	39	0	41	80
2.	Knapsack sprayer	1	0	18	0	0	18
3.	Sewing Machine	1	0	0	0	6	6
4.	Papaya						

(vi) TSP Programme:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
2.							
3.							
4.							
5.							

(vii) CSISA Programme:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
2.							
3.							
4.							
5.							

(viii) DAMU Programme:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
2.							
3.							
4.							
5.							

(ix) Seed Hub Programme:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.							
2.							
3.							
4.							
5.							

(x) Skill Development Programme at Krishi Vikas Yojna:

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1.	Rural Backyard Poultry (ASCI)	1	19	3	3	0	25

K. On Farm Trial 1

Discipline : Plant Protection
Title : Management of litchi mite (*Aceria litchi Keifter*)
Crop :Litchi
No. of Trials :10
Area :

Result:

Treatment	Technology

T_1	Farmers Practice (FP): Application of Sulphur 80 WP @2 g/L water					
T_2	Technology option-I (TO-I): Pruning of effected twigs + Chlorffenapyr 10 EC @ 1ml/L of water twice at 10 days interval during flush emergence					
T_3	Technology option-II (TO-II): Pruning of effected twigs + Propargite 57 EC @ 1.5 ml/L of water twice at 10 days interval during flush emergence					
Result						
	Mean % of leaf infestation	Yield (Kg/Plant)	Cost of cultivation (Rs./Plant)	Gross Income (Rs./Plant)	Net Income (Rs./Plant)	B:C ratio
T_1	28.30 (31.80)	73	710	2920	2210	3.11
T_2	12.36 (20.00)	97	860	3880	3020	3.63
T_3	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: T.O.-I i.e.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

On Farm Trial 2

Discipline : Plant Protection
Title : Management of pod borer (*Helicoverpa armigera*) and Pod fly (*Melinogromyza obtusa*) in pigeon pea
Crop : Pigeonpea
No. of Trials: 10
Area :
Result:

Treatment	**Technology**						
T_1	Farmers Practice (FP):Neem seed Kernel Extract (NSKE) 5 % First spray just before flowering and second spray after pod formation						
T_2	Technology option-I (TO-I): Acephate 75 WP @1 g/ L water First spray just before flowering and second spray after pod formation						
T_3	Technology option-II (TO-II): Spinosad 45 SC @ 2 ml/L water. First spray just before flowering and second spray after pod formation						
Result							
	Mean Pod borer infestation (%)	Mean Pod fly infestation (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross Income (Rs./ha)	Net Income (Rs./ha)	B:C ratio
T_1	3.06	1.83	8.33	19000	37485	18485	1.02

	(1.87)	(1.52)					
T_2	2.93 (1.85)	1.43 (1.38)	11.83	24600	53370	28770	1.16
T_3	2.70 (1.79)	1.24 (1.32)	13.33	23300	59985	36685	1.57
CD (0.05)	NS	0.22					
CV	11.43	6.36					
SEm	0.91	0.056					

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

On Farm Trial 3

Discipline : Plant Protection
Title : Assessment of Bio-intensive management practices for major pests in tomato
Crop : Tomato
No. of Trials : 9/ treatment
Area : 0.4 ha

Treatment	Technology
T_1	Farmers Practice (FP): Use of chemical pesticides
T_2	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
T_3	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**

On Farm Trial 4

Discipline : Plant Protection
Title : Integrated Pest Management of litchi fruit borer (*Conopomorpha sinensis*)
Crop : Litchi
No. of Trials: 7/treatment
Area : 0.5 ha

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Treatment	Technology
T_1	Farmers Practice (FP): Either untreated or spray of any insecticide as per the suggestion of other farmer or input dealers
T_2	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
T_3	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 application 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**

On Farm Trial 5

Discipline : Agriculture Engineering
Title : Assessment of improved weeding implements for weeding in gram
Crop : Gram
No. of Trials: 8/treatment
Area : 0.24 ha

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Treatment	Technology
T_1	Farmers Practice (FP): Khurpi
T_2	. Technology option-I (TO-I): Three tyne Grubber
T_3	Technology option-II (TO-II): Three tyne wheel hand hoe

Result:

Treatment	Monitoring Indicator			
	Heart rate at work (beats/min)	**Weeding Efficiency (%)**	**Field Capacity (ha/h)**	**Weeding Cost**
T_1	114.4±1.27	93.9±0.28	0.002	Rs17,700(59

	(3.58)	(2.5)		man-days/ha @Rs300/-
T_2	136.9± 1.06 (2.99)	70.9±1.10 (9.8)	0.003	Rs6900(23man-days/ha @Rs300/-
T_3	124.4± 2.78 (7.88)	75.1±1.07 (9.5)	0.007	Rs6000(20 man-days/ha @Rs300

ANOVA

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				

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).

Recommendation:

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). 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

On Farm Trial 6

Discipline : A

Title : Assessment of Sugarcane bud chipper/sugarcane single node bud cutter for drudgery reduction

Crop : Sugarcane

No. of Trials: 10/treatment

Area : 0.44 ha

Treatment	Technology
T_1	. Farmers Practice (FP): Sugarcane sett cutting by axe
T_2	Technology option-I (TO-I): Sugarcane bud chipper.
T_3	Technology option-II (TO-II): Sugarcane bud cutter

Result:

Treatment	Monitoring Indicator			
	Bud chipping capacity (bud/h)	Heart rate at work (beasts/min)	Saving in sugarcane (%)	Sugarcane germination (%)
T_1	-	130±3.04 (9.6)	0	65
T_2	451±37.65 (119.9)	110±1.56 (4.8)	66.98	85
T_3	393±17.54 (55.5)	114±1.82 (5.8)	75.93	93

ANOVA

Source of Variation	SS	df	MS	F	P-value	F table
Between Subjects	509.87	9	56.65	2.08	0.08	2.46
Between weeding tools	1896.46	2	948.23	34.86	6.47E-07	3.55

Error	657.87	18	36.54			
Total	2895.87	29				

Result: 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. 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

On Farm Trial 7:

Discipline : Home Science
Title : Assessment of adulteration in milk used by people from different sources.
Crop : -
No. of Trials: 7/treatment
Area : Nil

Treatment	Technology
T_1	Farmers Practice: Tests for adulterants not practiced by the consumers
T_2	Technology option-I (TO-I) :Adulterant detection kit (NDDB, Anand)
T_3	Technology option-II (TO-II) : Adulterant detection kit (NDRI, Karnal)
Result	**Awaited**

On Farm Trial 8:

Discipline : Home Science
Title : Evaluation of sugarcane stripper in drudgery reduction
Crop : Sugarcane
No. of Trials: 7/ treatment
Area : 0.3 ha

Treatment	Technology
T_1	Farmers Practice: People use local made sickles for stripping operation often causing injury
T_2	TO_1- Sugarcane stripper (IISR, Lucknow)
T_3	TO_2-. Sugarcane detrassing tool (ICAR- Sugarcane breeding institute Coimbatore)
Result	**Awaited**

On Farm Trial 9:

Discipline : Animal Science
Title : Low Cost Backyard Poultry
Crop : Nil
No. of Trials : 10 birds/treatment
Area : Nil

Treatment	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
T_1	64	187	350[a]	670[a]	1043[a]	1361[a]	105	350	750	1360[a]	2100[a]	2900[a]
T_2	65	193	360[ab]	705[ab]	1157[b]	1535[b]	110	360	775	1440[b]	2350[b]	3250[b]
T_3	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

Result: Significant differences (P≤ 0.05) was noticed in weight gain and feed consumption in scavenging birds fed supplementary feed maize 30 g and 10 g mustard cake or 30 g moringa leaf and 10 g earthworm.

Brief write up of result should be given separate table for each OFT.

L. TV Talk/Radio Talk:

SI. No.	Topic of the talk	Name of Scientist	TV/Radio talk station	Date of Recording
1	Diseases of livestock and their prevention	Dr. Ramakrishna Roy	DD, Patna	10.10.22
2	Farm machines for rabi crops	Er. Naveen Kumar	DD, Patna	28.11.22
3	Diseases of Poultry	Dr. Ramakrishna Roy	DD, Patna	06.03.23
4	Insect pest of mango and litchi	Dr. Abhishek Rana	DD, Patna	06.03.23

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

SI. No.	Particulars	Date	No. of Participants	Venue
1.	Workshop cum training programme under PMKSY at Thawe	12th May,'22	50	Thawe
2.	Workshop cum training programme under PMKSY at Gopalganj	12th May,'22	50	Gopalganj
3.	Workshop cum training programme under PMKSY at Bhore	13th May,'22	50	Bhore
4.	Workshop cum training programme under PMKSY at Panchdeori	13th May,'22	50	Panchdeori
5.	Workshop cum training programme under PMKSY at Barauli	14th May,'22	50	Barauli
6	Workshop cum training programme under PMKSY at Sidhwaliya	17th May,'22	50	Sidhwaliya
7	Workshop cum training programme under PMKSY at Baikunthpur	17th May,'22	50	Baikunthpur
8	Workshop cum training programme under PMKSY at Phulwariya	18th May '22	30	Phulwariya
9	Workshop cum training programme under PMKSY at Kuchaikote	18th May '22	200	Kuchaikote
10	Workshop cum training programme under PMKSY- Kateya	19th May '22	50	Kateya
11	Workshop cum training programme under PMKSY at Bijaypur	19th May '22	50	Bijaypur
12	Workshop cum training programme under PMKSY at Unchkagaon	20th May,'22	200	Unckagaon
13	Kharif Mahabhiyan at Baikunthpur	28th May,'22	50	Baikunthpur
14	Kharif Mahabhiyan at Barauli	30th May, '22	60	Barauli
15	Kharif Mahabhiyan at Manjha	01st June, '22	60	Manjha
16	Kharif Mahabhiyan at Thawe	2nd June,'22	70	Thawe
17	Kharif Mahabhiyan at Hathua	3rd June,'22	90	Hathua
18	Kharif Mahabhiyan at Unchkagaon	4th June,'22	50	Unchkagaon
19	Kharif Mahabhiyan at Bhore	6th June, '22	70	Bhore
20	Kharif Mahabhiyan at Bijaypur	7th June, '22	140	Vijaypur
21	Kharif Mahaabhiyan at Kateya	08th June '22	60	kateya
22	Kharif Mahabhiyan at Panchdeori	9th June, '22	50	Panchdeori
23	Rabi Mahabhiyan at Gopalganj	22nd Oct, '22	400	Gopalganj
24	Rabi Mahabhiyan at Bijaypur	26th Oct, '22	100	Bijaypur
25	Rabi Mahabhiyan at Panchdeori	26th Oct, '22	200	Panchdeori
26	Rabi Mahabhiyan at Hathua	8th Nov, '22	300	Hathua
27	Rabi Mahabhiyan at Sidhwaliya	9[th] Nov, '22	250	Sidhwaliya

N. SAC conducted at KVK:

SI. No.	Particulars	Date	No. of Participants
1.		14.12.2021	

O. List of visitor at KVK:

Date	Name & Designation	Purpose of visit
01.04.22	Smt. Sobha Rani, CDPO, Kuchikote	Poshan pakhwada
05.06.22	Dr. Rameshwar Singh, Hon. VC, BASU, Patna	KVK Visit
20.06.22	Bhudeo Rana Yashu, SAO, Hathua	KVK Visit
13.07.22	Himanshu Kumar Rai, ADA	KVK Visit
21.08.22	Dr. N.K. Singh, Prof. DrRPCAU, Pusa	CRA Visit
13.10.22	Dr. Ratnesh Kumar Jha, Prof. DrRPCAU, Pusa	CRA Visit
15.11.22	Md. Neyaz Ahmad, DHO, Gopalganj	Jal Shakti Abhiyan Mela
18.11.22	Shri Ankit Abhishek, BEA, Patna	For Krishi Samwad with Progressive farmers
01.12.22	Er. Reyaz Ahmad, Ex-PC, KVK, Gopalganj	KVK Visit
28.12.22	Dr. Zahid Hussein, DAHO, Gopalganj	Participation in Krishak Vaigyanik vartalap
28.12.22	Bhudeo Rana Yashu, SAO, Hathua	
28.12.22	Miss Renu Kumari, DPD, ATMA	
17.01.23	Shri Yashpal Singh, Deputy GM, Vishnu Sugar Mill, Gopalganj	Field Visit
16.03.23	Dr. Zahid Hussain, DAHO, Gopalganj	Inauguration of ASCI training
23.03.23	Dr. D.K. Rai, Director Seed, DrRPCAU, Pusa	Farm Seed Production monitoring visit
25.03.23	Dr. M.S. Kundu, DEE, DrRPCAU, Pusa	SCSP visit
27.03.23	Dr. Anupam Lal Kusumakar, DDM, NABARD, Gopalganj	KVK Visit

P. Participation in National Conference, Sumer/Winter School, Workshop, Training Programme etc.

Name of Programme	Nature of Programme Attended	Date
National Conference	XIIth Biennial National conference of KVKs at YS Parmar University of Hort. And Forestry	1st to 2nd July, 2022
Summer/Winter School		
Workshop	OFT workshop for crop production of KVKs under DrRPCAU	4th July, 2022
	OFT workshop for Ag. Engg. of KVKs under DrRPCAU	6th July, 2022
	OFT workshop for Plant Protection of KVKs under DrRPCAU	8th July, 2022
	OFT workshop for Home Science of KVKs under DrRPCAU	15th July, 2022
	Zonal workshop, Annual Report and Action Plan	5th to 8th Aug, 2022

	Annual Review meeting cum workshop of CRA	18th to 19th Jan, 2023
	CFLD workshop	18th to 19th March, 2023
Training Programme	Enhancing crop production through climate smart technologies	28.03.22 to 03.04.22
	Enhancing crop production through climate smart technologies	04th to 10th April, 2022
	Enhancing crop production through climate smart technologies	11th to 17th April, 2022
	Orientation Programme for newly recruited SMSs	27th to 30th April, 2022
	One day capacity building programme of newly recruited SMSs to be inducted as Co-PIs	6th May, 2022
	Solar Powered Irrigation System	1st to 3rd June, 2022
	Drones for Agriculture Development (Online)	11th to 15th July, 2022
	Digital Reporting	20th July, 2022
	Emerging challenges in Plant Protection of major kharif crops (online	13th August, 2022
Seminar/Symposium	National symposium on Indian Agriculture After Independence	
Others	Review meeting of KVKs	1st April, 2022
	Brainstorming session on climate education for successful implementation of CRA in Bihar	24th May, 2022
	CRA review meeting for Kharif Planning	7th May, 2022
	Digitization of DFI Success stories (Online)	11th May, 2022
	Activities under CRA at DM office	11th -12th April, 2022
	CRA impact assessment	12th April, 2022
	CRA Programme	18th April, 2022
	Kisan Bhagidari Prathmikta Hamari (Online)	20th April, 2022
	Pre-inauguration of laser land levelling programme	22 April, 2022
	Kisan Bhagidari Prathmikta Hamari	25 April, 2022
	PKVY Meeting	5th May, 2022
	Kharif Planning under CRA	25th May, 2022
	VIth EEC	18th June 2022
	Review meeting for "Interaction with DFI farmers"	14th July, 2022
	ATMA Prabandhan Samiti meeting	23rd July 2022
	Bihar Skill Development	26th July, 2022
	Review Meeting of KVKs	4th-5th November, 2022
	Fourth Agriculture Road Map	3rd December, 2022
	Kisan Vaigyanik Samvad At ICAR-RCER, Patna	6th December, 2022

	District Level Committee meeting on Pradhan Mantri Matsya Sampada Yojana	16th December, 2022
	Review meeting of Long term cropping experiment system at ICAR-RCER	21st Dec, 2022
	Finance and other related issues (virtual mode	27th December, 2022

Q. Other Extension activities

Sl. No.	Name of Ext. Activities	No. of Activities	Beneficiaries		
			Male	Female	Total
1.	Kisan Mela	4	692	174	866
2.	Kisan Gosthi	4	162	51	213
3.	Field Day	4	104	3	107
4.	Farmers Visit to KVK	54	461	114	575
5.	Scientist Visit of farmers field	53	318	26	344
6.	Animal Health Camp	1	26	0	26
7.	Exposure Visit	9	535	324	859
8.	Lecture Delivered as Resource Person	15	498	242	740
9.	Number of Agro Advisories (By Phone)	308	260	48	308
10.	Number of SMS Advisories sent	300	730	5	735
11.	Number of Agro Metrological Advisories	20	125	0	125
12.	Workshop cum training programme under PMKSY	12	730	151	
16.	Inauguration of LLL	1	33	6	
17.	Jal Shakti Abhiyan	2	94	15	109
18.	Awareness on Balanced fertiliser	1	49	0	49
19.	Krishak Vaigyanik Vartalap	1	47	1	48
20.	Celebration of important days	4	160	183	
21	Live telecast of Hon. PM	4	450	272	722
22.	Awareness Programmes on Natural Farming	10	508	87	595

R. PUBLICATION:

(i) Research papers published (01.04.2022 to 31.03.2023)

Name of the author (s)	Year	Title	Name of the Journal & NAAS Rating	Vol. No. & Page No.
Rana Abhishek, Chandel RS and Verma KS	2022	Relative Toxicity of Soil Insecticides against *Polphylla* Grubs (Harris) (Scarabacidae:	Pesticide Research Journal NAAS rating: 5.49	34 (1):31-34

		Coleoptera)		
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 YS and Chandel RS. 2022		Effect of Soil Sterilants on Nematodes, Microarthropods and Soil Mycoflora in Tomato under Protected Conditions	*Pesticide Research Journal* NAAS rating; 5.49	34 (2) 122-129
N. Kumar, V.K. Tewari and S. Kumar		Development of combined resistance muffler for reduced noise of farm tractor.	Materials Today proceedings 2022	

(ii) Book Chapters (01.04.2022 to 31.03.2023)

Name of the author (s)	Year	Chapter	Name of Books & its ISBN No.	Pages	Name of Publisher
Ramakrishna Roy, Prabhat Kumar, Mohd. Sajid Hussain and Moben Igantius		Effect of timely seeding is weakened by poor irrigation and weed management in Gopalganj	New Frontiers in Agricultural Extension (Volume I)	194-198	CIMMYT
Ramakrishna Roy, Prabhat Kumar and Mohd. Sajid Hussain		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)	315-319	CIMMYT
Dr. Anita Gautam, Dr. Sandeep Kumar		Moringa oleifera (Drumstick) A			

and Dr. Suneeta Paswan		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. Suneeta Paswan, Dr. sanjeev Kumar and Dr. Anita Gautam		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. Sandeep Kumar, Dr. Anita Gautam and Dr. Suneeta Paswan		Post Harvest Management of mushroom at online International conference on Agriculture, Biological and Life Sciences (ICABLS-2021) organised by Vidya Kutir Foundation, New			

(iii) Technical bulletins published (01.04.2022 to 31.03.2023)

Name of the Author (s)	Year	Title	Name of Publisher	No. of Pages	No. of Copies Printed	Price

(iv) Popular articles published (01.04.2022 to 31.03.2023)

Name of the Author (s)	Year	Title	Name of the Magazine	Vol. No. & Page Numbers

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, 2023 to March, 2024)

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.)	-	-	-	-
2.	Horticulture	-	-	-	-
3.	Plant Protection	24	480	122	602
4.	Home Science	24	18	595	613
5.	Vet. /Fisheries	12	247	53	300
6.	Agricultural Engineering	24	476	124	600

(ii) Rural Youth:

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci./ Extn.)	-	-	-	-
2.	Horticulture	-	-	-	-
3.	Plant Protection	6	109	61	170
4.	Home Science	6	13	142	155
5.	Vet. /Fisheries	3	75	0	75
6.	Agricultural Engineering	4	79	21	100

(iii) Extension Functionaries:

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci/ Extn.)	-	-	-	-
2.	Horticulture	-	-	-	-
3.	Plant Protection	4	80	20	100
4.	Home Science	6	13	142	155
5.	Vet/ Fisheries	1	25	0	25
6.	Agricultural Engineering	4	64	36	100

(iv) Vocational Training:

SI. No.	Discipline	Target	No. of Beneficiaries		Total
			Male	Female	
1.	Plant Protection				
2.	Home Science				
3.	Vet. /Fisheries				
4.	Agricultural Engineering				

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

Sl. No.	Crop	Variety/Species	Area (ha)/ Number	Expected Yield/Number
1.	Green Gram	Virat	1.0	6.0 q
2.	Paddy	Rajashree	6.0	180.0 q
3	Pigeonpea	R. Arhar 1	1.0	
3	Dhaincha	Local	6.0	30.0 q
3.	Wheat	DBW 252	6.0	180.0 q
4.	Gram	BG 372	2.0	16.0
5.	Pea	HFP 4	0.5	4.0
6	Papaya	Red Lady	5000 nos.	
7	Tomato	Hybrid	20,000 nos.	
8	Cauliflower	Hybrid	30,000 nos.	
9	Cucurbits	-	1,000 nos.	

C. FLD:

Season	Variety/ Tech demo.	Area (ha)/No.	No. of Demonstration
Maize			
Sorghum	UPMC 503	6.0	40
Millets	-	4.0	10
Wheat	Self Propelled Reaper cum Binder	4.0	10
Vegetable Garden Kits	Misc.		20
Oats	UPO 212	2.0	20
Berseem	Mescavi	2.0	20
Sugarcane	Sugarcane bud chipper	-	15

(D) Other Extension activities

Sl. No.	Name of Ext. Activities	No. of Activities	Participants
1.	Kisan Mela	3	450
2.	Kisan Gosthi	10	250
3.	Field Day	10	500
4.	Farmers Visit to KVK	24	500
5.	Scientist Visit of Farmers Field	24	250
6.	Mobile Services	25	2500
7.	Animal Health Camp	1	50
8.	Exposure Visit	5	300
9.	Lecture Delivered as Resource Person	10	250
10.	Awareness Programmes Natural Farming	15	1000
11	Method Demonstration, Natural Farming	4	100
12	ASCI training	2	50

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