

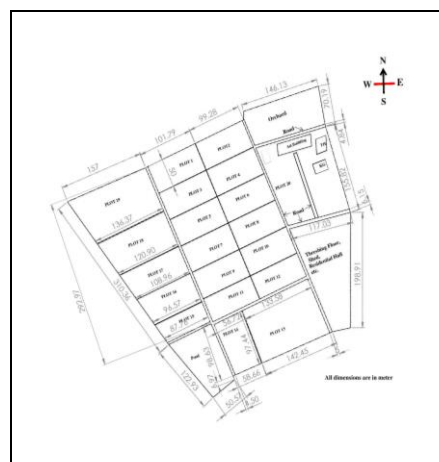
Dr. Rajendra Prasad Central Agricultural University, Pusa

3rd Extension Education Council Report

(April, 2018 to March, 2019)

A. Profile of KVK

KVK, Name	-	KVK, Gopalganj
Latitude	-	26 ⁰ 34'38"N
Longitude	-	84 ⁰ 22'34"E
Farm Area (ha)	-	20 ha
District	-	Gopalganj



KVK Location

B. Staff Strength

SI. No.	Post	Group	Grade Pay	Sanctioned	Filled	Vacant
1.	Head	A	8000	1	1	0
2.	SMS-6	A	6000/5400	6	5	1
3.	Farm Manager	B	4200	1	1	0
4.	Programme Asst. (Computer)	B	4200	1	1	0
5.	Programme Asst. (Lab Tech.)	B	4200	1	1	0
6.	Assistant	B	4200	1	1	0
7.	Stenographer	C	2400	1	1	0
8.	Supporting Staff -1&2	C	1800	2	2	0
9.	Jeep Driver	C	2000	1	0	1
10.	Tractor Driver	C	2000	1	0	1

C. Climate

Month	Temperature (°C)		Average Rainfall (mm)	Relative Humidity (%)	
	Min Temp	Max Temp		Max	Min
June-2018	27.61	38.16	51.4	70.76	54.74
July-2018	26.14	32.99	248.8	82.48	73.64
Aug-2018	26.10	32.45	317.0	83.45	76.52
Sept-2018	25.32	32.23	222.8	81.85	75.39
Oct-2018	21.52	31.84	0	74.82	67.91
Nov-2018	14.57	28.73	0	70.76	60.66
Dec-2018	9.80	24.62	0	75.30	59.69
Jan-2019	6.23	23.20	3.4	77.50	57.91

Feb-2019	11.39	26.32	20.7	67.26	46.21
Mar-2019	16.34	32.50	5.4	51.41	30.82
April-2019	22.18	37.49		45.50	24.71

D.

(i) Soil Parameters of KVK Farm:

SI. No.	Plot No.	Soil Type	PH	EC (dS/m)	O.C. (%g ⁻¹ kg ⁻¹)	Available Nutrients (kg/ha)		
						N	P	K
1.	P1	Sandy Loam	8.05	0.27	0.70	217	18.28	176
2	P2	Sandy Loam	7.99	0.58	0.58	255	22.85	169
3	P3	Sandy Loam	8.07	0.65	0.90	252	22.85	151
4	P4	Sandy Loam	8.06	0.77	0.98	266	22.85	226
5	P5	Sandy Loam	8.16	0.76	0.95	260	36.56	238
6	P6	Sandy Loam	8.18	0.78	0.81	236	41.13	130
7	P7	Sandy Loam	8.40	0.62	0.53	188	31.99	164
8	P8	Sandy Loam	7.95	1.91	0.67	212	22.85	192
9	C1	Sandy Loam	8.34	0.26	0.73	222	27.42	144
10	C2	Sandy Loam	8.26	1.64	0.70	217	86.83	265
11	C3	Sandy Loam	8.22	1.16	1.01	271	100.54	255
12	C4	Sandy Loam	8.29	0.94	0.62	203	123.39	280
13	C5	Sandy Loam	8.38	1.04	0.81	236	73.12	277
14	C6	Sandy Loam	8.35	0.78	0.73	222	59.41	301
15	C7	Sandy Loam	8.54	0.50	0.87	247	77.69	167
16	M1	Sandy Loam	8.48	0.46	0.78	231	86.83	173
17	M2	Sandy Loam	8.53	0.39	0.84	241	22.85	222
18	M3	Sandy Loam	8.13	0.71	0.73	222	68.55	241
19	M4	Sandy Loam	8.35	0.69	0.78	231	91.40	224
20	M5	Sandy Loam	8.42	0.58	0.81	236	54.84	208
21	M6	Sandy Loam	8.52	0.45	0.87	247	59.41	134
22	M7	Sandy Loam	8.46	0.47	0.81	236	82.26	247
23	Nursery Plot	Sandy Loam	8.48	0.43	0.76	227	22.85	153

(ii) Secondary Nutrient & Micronutrient Status:

SI. No.	Plot No.	Secondary Nutrient	Micronutrient				
		S	Fe	Mn	Zn	Cu	B
1	P1	15.63	15.64	10.044	0.74	1.75	1.88
2	P2	9.38	14.71	7.716	0.49	2.16	2.19
3	P3	12.50	11.89	7.86	0.27	1.78	2.34
4	P4	40.63	14.26	4.764	0.48	1.98	2.19
5	P5	50.0	17.03	8.05	0.52	2.26	2.81
6	P6	12.50	16.18	6.074	0.58	2.42	1.56
7	P7	9.38	18.05	3.326	0.21	1.62	1.72

8	P8	9.38	17.54	4.806	0.31	2.05	1.25
9	C1	18.75	15.26	4.494	0.32	2.05	0.31
10	C2	9.38	11.96	9.704	0.86	1.33	2.97
11	C3	12.05	9.33	10.124	0.86	2.30	1.41
12	C4	6.25	9.60	9.832	0.53	2.37	4.06
13	C5	6.25	9.39	6.702	0.59	2.176	2.50
14	C6	9.38	12.24	7.222	0.42	1.077	4.06
15	C7	25.0	17.40	5.318	0.39	2.612	1.56
16	M1	21.88	19.14	5.436	0.74	2.216	2.50
17	M2	28.13	22.27	4.68	0.44	1.176	3.44
18	M3	65.50	20.60	6.724	0.60	1.79	0.31
19	M4	6.25	11.54	7.144	1.47	1.602	2.50
20	M5	46.88	15.26	9.758	0.64	1.298	0.94
21	M6	37.50	15.26	3.542	0.36	1.912	2.19
22	M7	46.88	17.57	4.392	0.51	2.002	1.25
23	Nursery Plot	28.13	12.59	4.454	0.49	1.057	2.34

E. Soil Samples Analyzed:

Sl. No.	Village Name	GPS Location		Soil Samples		Soil Health Card Distributed
		Latitude	Longitude	Collected	Analyzed	
1.	Roopchap	26 ⁰ 34'50"	84 ⁰ 22'58"	2	2	2
2.	Shyampur	26 ⁰ 34'45"	84 ⁰ 23'52"	1	1	1
3.	Baraipatti	26 ⁰ 34'13"	84 ⁰ 24'14"	5	5	5
4.	Khem Matihiniya	26 ⁰ 34'35"	84 ⁰ 23'01"	4	4	4
5.	Sipaya	26 ⁰ 34'29"	84 ⁰ 22'42"	5	5	5
6.	Amwa Vijaypur	26 ⁰ 39'33"	84 ⁰ 52'21"	1	1	1
7.	Tiwari Matihiniya	26 ⁰ 34'10.8"	84 ⁰ 21'54"	2	2	2
8.	Binod Matihiniya	26 ⁰ 33'59"	84 ⁰ 21'53"	1	1	1
9.	Nirui	26 ⁰ 38'52"	84 ⁰ 25'24"	1	1	1
10.	Kotwa	26 ⁰ 30'27"	84 ⁰ 26'51"	1	1	1
11.	Karariya	26 ⁰ 30'29"	84 ⁰ 26'10"	1	1	1
12.	Bhitbherwa	26 ⁰ 40'35"	84 ⁰ 53'18"	1	1	1

F. Fund Utilization (Rs. In lakhs):

Month	Sanction	Salary	General	Capital	Total	Revolving Fund	
						Expenditure	Income
April		5.86	0.87	0.00	6.73	0.74	-
May		4.51	0.65	0.00	5.16	1.05	0.003
June		4.63	2.07	0.00	6.7	1.06	8.48
July		4.66	1.92	0.00	6.58	2.40	0.13
August		4.66	0.20	0.00	4.86	0.56	-
September		4.69	0.92	0.00	5.61	0.67	0.003
October		5.27	0.54	0.00	5.81	1.28	0.20
November		6.60	0.33	0.00	6.93	1.48	0.225

December		5.79	0.10	0.00	5.89	1.59	2.61
January		7.93	1.44	0.00	9.34	1.78	1.52
February		7.30	0.24	0.00	7.54	1.00	0.44
March		7.39	2.68	0.00	10.07	1.85	4.58
Total		69.29	11.93	0.00	81.22		
Sanctioned Amount							(Present Status)

G. Achievements of Training Programmes:

(i) Practicing Farmers/Farm Women.

Sl. No.	Discipline	Thematic Area	Target	No. of trainings conducted	No. of Beneficiaries		Total
					Male	Female	
1.	Crop production	Cultivation of crop	11	10	275	11	286
		Nursery Management	1	1	25	0	25
		Integrated crop management	3	1	32	0	32
		Weed management	2	1	32	0	32
		Total	17	13	364	11	375
2.	Horticulture	Management of young Plants/orchards	0	1	27	0	27
		Integrated Nutrient management	0	1	16	12	28
		Cultivation of fruit	0	1	25	0	25
		Cultivation of vegetable	0	1	25	0	25
		Total	0	4	93	12	105
3.	Plant Protection	IPM	13	9	223	13	236
		IDM	7	2	54	0	54
		Mushroom Cultivation	0	2	30	21	51
		Total	20	13	307	34	341
4.	Home Science	Household food security by kitchen gardening and nutrition gardening	0	2	27	25	52
		Income generation activities for empowerment of women	0	1	0	27	27
		Total	0	3	27	52	79
5.	Veterinary /Fisheries	Disease Management	4	3	71	3	74
		Poultry Production	0	1	27	3	30
		Feed Management	1	0	0	0	0
		Production of quality animal product	1	0	0	0	0
		Total	6	4	98	6	104
6.	Agricultural Engineering	Farm mechanization	0	2	49	0	49
		Post Harvest technology	0	1	23	0	23
		Installation and	0	1	23	0	23

		maintenance of micro irrigation systems					
		Total	0	4	95	0	95
		Grand Total	43	41	984	115	1099

(ii) Rural Youth:

Sl. No.	Discipline	Thematic Area	Target	Duration	No. of Training Conducted	No. of Beneficiaries		Total
						Male	Female	
1.	Crop production (Agro/ Plant Breeding/ Soil Sci/ Extn.)	Integrated farming	2	3	1	20	14	34
		Production of organic inputs	1	3	1	24	6	30
2.	Horticulture	INM	0	3	1	26	0	26
3.	Plant Protection	Mushroom Production	1	4	4	158	50	208
		IPM	1	1	1	29	0	29
		Organic farming of Vegetable	1	3	0	0	0	0
4.	Home Science	Income generation activities for empowerment of rural women	0	1	1	12	22	34
5.	Veterinary/ Fisheries	Goat rearing	1	1	4	14	18	32
		Dairying	1	1	1	34	0	34
		Poultry Production	1	1	5	24	0	24
6.	Agricultural Engineering	-	-	-	-	-	-	-

(iii) Extension Functionaries:

SI. No.	Discipline	Thematic Area	Target	No. of Training Conducted	No. of Beneficiaries		Total
					Male	Female	
1.	Crop production	RCT	2	2	96	4	100
		INM	1	1	55	2	57
2.	Horticulture						
3.	Plant Protection	IPM	4	2	65	1	66
4.	Home Science	-	-	-	-	-	-
5.	Vet. /Fisheries	Disease Management	1	0	0	0	0
6.	Agricultural Engineering	-	--	-	-	-	-

(iv) Other Sponsored Training Programme:

SI. No.	Sponsored By	Discipline	Thematic Area	No. of Training Conducted	No. of Beneficiaries		Total
					Male	Female	
1.	DAO/ATMA	Agriculture Engineering	Farm Mechanization	3	800	175	
2.	ATMA. Gopalganj	Agronomy	Cultivation of crops	1	140	10	150
3.	DHO, Gopalganj	Entomology	Mushroom Production	1	22	20	42
1	IFFCO (IFFCO Kisan Mitra samooh Prasikshan Karyakram)	Soil Science	Fertilizer, Pests and diseases of crops	1	54	0	54
3	DDM NABARD	Agronomy	Seed Production technique in pulse crops	1	23	7	30
4	Bihar State Seed and Organic Certification	Agronomy	Seed Production technique in crops	1	100	0	100

(v) Vocational Training:

Sl. No.	Discipline	Thematic Area	Target	No. of Training Conducted	No. of Beneficiaries		Total
					Male	Female	

H.**i) Seed & Planting Material Produced:**

Sl. No.	Crop	Variety	Area (ha)	Type of Seed	Seed Production			
					Quantity Produced (q)	Sold to		
						University	Farmers	Non Seed
1	Wheat	HD 2733	2.0	BS	56.50	Yes		
2	Wheat	HD 2733	4.0	FS	150.5	Yes		
3.	Gram	BG 372	1.0	BS	9.0	Yes		
4.	Pea	HFP4	0.4	BS	11.0	Yes		
5.	Green Gram	PDM 139	2.0	FS	4.10	Yes		
6.	Paddy	Shahbhagi	2.0	FS	65.20	Yes		
7.	Paddy	R. Bhagwati	4.0	FS	100.4	Yes		
8.	Sugarcane	COP2061	2.0	Non seed	939.15	Yes		Sugar mill
9.	Rapeseed	R. Suflam	1.0	TL	7.58	Nil	5.58	2.0
Total			18.4		1343.43			

ii) Planting Material Production

Sl. No.	Crop	Variety	Quantity Produced	Sold to	
				Govt.	Farmers

I. FLD:

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (ha)	No. of Farmers	Production q/ha			Local check (q/ha)	Increase yield %	BC ratio
					H	L	A			
Paddy	COR-51	Kharif	5.0	12	44.6	25.7	38.4	26.50	44	2.16
Sorghum	M.P. Chari	Summer	2.0	13	700	500	550	500	10	2.2
Berseem	Mescavi	Rabi	2.0	12	740	450	540	450	20	2.7
Mushroom	Oyster	Rabi	-	15	8 kg	6.5 kg	7.25 kg	4.6 kg	57.6	3.6
Mushroom	Button	Rabi	-	10	21 kg	15 kg	18 kg	11.5 kg	56.5	4.2

J. CFLD:

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			
Green Gram	Pusa Vishal	Summer	10	25	11.4	7.6	9.5	7.0	8.5	3.17
Pigeon Pea	Pusa-9	Kharif	10	25	20.9	12.7	16.8	11.30	15.8	4.81
Lentil	HUL-57	Rabi	20	50	16.6	8.9	12.75	7.80	11.75	3.67

K. On Farm Trial

OFT – 1

Discipline : Agronomy

Title : Effect of Rice establishment methods of yield attributes, grain yield and income

Crop : Rice

No. of Trials : 5

Area : 1.0 ha Treatment	Technology
F.P	Manual transplanting without maintain spacing (Puddle Condition)
T ₁	Manual transplanting at 20X15 cm spacing (Puddled)
T ₂	Direct seeding (dry bed) by seed drill
T ₃	Drum seeding of sprouted seed in line at 20X15 cm spacing in wet bed.
T ₄	Broadcasting of sprouted seed (wet bed)
Result	Direct seeding (dry bed) by seed drill resulted 35.1 q/ha yield found at par with manual transplanting without maintaining spacing and with manual transplanting 20X15 cm spacing.

Result

Treatments	Yield q/ha	Cost of cultivat ion	Gross return (Rs./ha)	Net Return (Rs/ha)	BC Ratio
P.F: Manual transplanting without maintain spacing (Puddle Condition)	35.40	25500	54870	29370	2.15
T ₁ : Manual transplanting at 20X15 cm spacing (Puddled)	37.05	27500	57428	29928	2.00
T ₂ : Direct seeding (dry bed) by seed drill	35.10	17700	54405	36705	3.07
T ₃ : Drum seeding of sprouted seed in line at 20X15 cm spacing in wet bed.	30.20	19500	46888	27388	2.40
T ₄ : Broadcasting of sprouted seed (wet bed)	25.15	18300	38983	20683	2.13

Conclusion: Direct seeding (dry bed) by seed drill resulted 35.1 q/ha yield which was found to be at par with that of PF and T₁ however direct seeding involve low cost of cultivation Rs. 17700.00 and higher net return Rs. 36705 and B:C 3.07 in compression to manual transplanting, drum seeding and broadcasting method of Rice establishment. Hence farmers are recommended to use direct seeding methods of Rice establishment for getting higher income and saving of labour, water and diesel.

OFT – 2

Discipline : Agronomy

Title : Selection of suitable intercrops in autumn planted sugarcane for higher income generation

Crop : Sugarcane

No. of Trials : 5

Area : 1.0 ha

Treatment	Technology
F.P	Sugarcane(sole)
T ₁	Sugarcane+ lentil,
T ₂	Sugarcane +Rajmash
T ₃	Sugarcane+ Coriander
T ₄	Sugarcane +potato
Result	Awaited

OFT – 3

Discipline : Entomology

Title : Assessment of different fungicides against false smut disease of paddy (Rajendra Bhagwati)

Crop : Paddy

No. of Trials: 10

Area : 1.0 ha

Treatment	Technology
F.P	Seed treatment with carbendazim 50 WP@2gm/kg seed
T ₁	Seed treatment with carbendazim50 WP @2gm/kg seed + foliar spray of Copper oxychloride 50 WP@3gm/lit of water at 50% or 100% panicle emergence
T ₂	ST with carbendazim50 WP @ 2gm/kg seed + Kresoxim methyl (Ergon 44.3 sc w/w)@0.5gm/lit of water at 50% or 100% panicle emergence
T ₃	Seed treatment with carbendazim50 WP @ 2gm/kg seed + Trifloxystrobin 25% + Tebuconazole 50% (Native 75 WG @0.4gm/lit of water at 50% or 100% panicle emergence

Results

Treatments	Yield q/ha	Cost of cultivation	Gross return (Rs./ha)	Net Return (Rs/ha)	BC Ratio
. T.O.1: Seed treatment with carbendazim 50 WP @2gm/kg seed + foliar spray of Copper oxychloride 50 WP@3gm/lit of water at 50% or 100% panicle emergence	36.6	26400	56730	30330	2.14
. TO. 2: ST with carbendazim 50 WP @ 2gm/kg seed + Kresoxim methyl (Ergon 44.3 sc w/w)@0.5gm/lit of water at 50% or 100% panicle emergence	40.2	26550	62310	35760	2.34
TO3: Seed treatment with carbendazim50 WP @ 2gm/kg seed + Trifloxystrobin 25% + Tebuconazole 50% (Native 75 WG @0.4gm/lit of water at 50% or 100% panicle emergence	43.3	26500	67115	40615	2.53

Conclusion: The third technology option where seed treatment with carbendazim 50 WP@ 2gm 1 kg seed +Trifloxystrobin 25%+ Tebuconazole [50% @ 0.4gm/lit](#) of water at 50% and 100% panicle emergence was found most effective in terms of yield and disease incidence parameter.

OFT – 4

Discipline : Entomology
Title : Effect of different insecticides on management of pod borer in Pigeonpea
Crop : Pigeon pea
No. of Trials: 5
Area : 1.0 ha

Treatment	Technology
F.P	Monocrotophos 36SL @1000 ml/ha
T ₁	Thiodicarb 75 WP @500g/ha
T ₂	Novaluron 10 EC @ 800 ml/ha
T ₃	NPV @ 300 LE/ha +Pheromone trap 15 /ha
Result	Awaited

OFT – 5

Discipline : Animal Science

Title : Evaluation of methods to increase conception in repeat breeders.

Animal Species: Cattle

No. of Trials: 5 animals / treatment

Treatment	Technology
F.P	Repeat breeding cases. Sprouted wheat (0.5 to 1.0 kg) for a week.
T ₁	Deworming + Mineral mixture (50 g/day)
T ₂	Deworming + Mineral mixture (50 g/day) + Multivitamin liquid 10 ml orally/day
T ₃	Deworming + Mineral mixture (50 g/day) + Multivitamin liquid 10 ml orally/day+ Clomiphene Citrate 300 mg orally day along with copper sulphate tabs daily for 5 days.
Result	
F.P.	20 % animals conceived
T ₁	60 % animals conceived
T ₂	60 % animals conceived
T ₃	80 % animals conceived

OFT – 6

Discipline : Animal Science

Title : Evaluation of area specific mineral mixture

Animal Species: Cattle

No. of Trials: 10 animals / treatment

Treatment	Technology
F.P	Inadequate mineral supplementation
T ₁	Area Specific mineral mixture (ICAR-RCER, Patna)
T ₂	Commercial mineral mixture
Result	Awaited

L. Vermi-culture and other products at KVK level:

Sl. No.	Particulars	No./Amount	Total income (Rs.)
1.	Vermicompost	60 q	Used in farm nursery

M. Sale of Publications:

SI. No.	Particulars	Name of author/KVK	Total income (Rs.)
1.	Kisan Diaries (127 nos.)	DrRPCAU, Pusa	15270

N. TV Talk/Radio Talk:

SI. No.	Topic of the talk	Name of Scientist	TV/Radio talk station	Date of Recoding

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

SI. No.	Particulars	Name of Scientists	Date	No. Of Participants
1	Live telecast of programme of Hon. PM.	Ramakrishna Roy, Sanjay Kumar, Md. Sajid Hussain	20 th June, 2018	151
2	Training on waste decomposer	Ramakrishna Roy	25 th -26 th Sept, 2018	48
3	Demo and distribution of waste decomposer	Ramakrishna Roy	27 th Sept, 2018	37
4.	Field day on R. Bhagwati	Md. Sajid Hussain	11 th Oct, 2018	50
5	Mahila KisanDiwas	Sanjay Kumar, Er. Naveen Kumar	15 th Oct, 2018	54
6.	World Soil Day	Ramakrishna Roy, Sanjay Kumar, , Md Sajid Hussain, Naveen Kumar	5 th Dec, 2018	50
7.	Kisan Diwas	Sanjay Kumar	23 rd Dec, 2018	40
8	Exposure visit of farmers to KVK	Anita Gautam	15 th Feb, 2018	140
9	Mann ki Baat and PM Kisan Samman Nidhi	Ramakrishna Roy, Sanjay Kumar, Md. Sajid Hussain, Naveen Kumar, Amit Visen, Anita Gautam	24 th Feb, 2019	150

P. List of visitors at KVK:

Date	Name & Designation	Purpose of visit
25.07.18	Styendra Kumar Choudhary, District Statistical Officer	KVK farm and AWS site
24.02.19	Hon. MP Janak Ram, MP, Gopalganj	KVK premises and farm

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

a.

Name of Scientists	Nature of Programme (please specify)	Title	Venue	Date
Ramakrishna Roy	Training	Pre-EEC	DoEE, DrRPCAU, Pusa	4 th May, 2018
Shri Sanjay Kumar	Training	State level Kharif Mahabhiyan Sah Mahotsav	BAMETI, Patna	10 th May, 2018
Ramakrishna Roy	Meeting	Finalization of Action plan of KVKs	Dr.RPCAU, Pusa	14 th May, 2018
Shri Sanjay Kumar	Training	Commissionary level Kharif Mahabhiyan sah Mahotsav	Commissioners Office, Saran	14 th May, 2018
Ramakrishna Roy	Training	CSISA-KVK Diagnostic	DrRPCAU, Pusa	15-17 th May, 2018
Md. Sajid Hussain	Training	CSISA-KVK Diagnostic	DrRPCAU, Pusa	15 th -17 th May, 2018
Ramakrishna Roy	Meeting	2 nd Extension Education Council	Dr RPCAU, Pusa	18 th May, 2018
Ramakrishna Roy	Workshop	Zonal workshop of KVKs of ATARI, Patna	OUAT, Bhubaneshwar	26-27 th May, 2018
Ramakrishna Roy	Training	PFMS	DrRPCAU, Pusa	3 rd -4 th July, 2018
Shri Sanjay Kumar	Training	PFMS	DrRPCAU, Pusa	3 rd -4 th July, 2018
Ramakrishna Roy	Meeting	Skill Development	BAMETI, Patna	24 th Aug, 2018
Dr. Mohd. Sajid Hussain	Meeting	ZREAC	TCA, Dholi	24 th Aug, 2018
Dr. Mohd. Sajid Hussain	Meeting	Pre-Research Council	Deptt. Of Agronomy Dr.RPCAU, Pusa	28 th August, 2018
Dr. Ramakrishna Roy	Meeting	CFLD	Dr .RPCAU, Pusa	30 th Aug, 2018
Ramakrishna Roy	Training	PFMS	DrRPCAU, Pusa	4 th -5 th Sept, 2018
Dr. Mohd. Sajid Hussain)	Training	HRD on “ Rejuvenation of senile orchard and plant canopy management in litchi”	DrRPCAU, Pusa	29 th sept-1 st Oct, 2018
Dr. Ramakrishna Roy	Training	Rabi Abhiyan at Commissionary level	Mazharul Haq Bhawan,	9 th Oct, 2018

			Chapra, Saran	
Dr. Ramakrishna Roy	Meeting	Review meeting cum workshop on CFLD	Divyayan KVK, Ranchi	13 th -14 th Oct. 2018
Dr. Ramakrishna Roy,	Workshop	Annual workshop of KVK-CSISA Network	NBFGR, Lucknow	9 th -10 th Dec
Dr. Ramakrishna Roy Sr. Scientist and Head	Innovative Farmers' meet	Navachari Krishak Sammelan	ATARI, Patna	13 th -14 th Dec, 2018
Dr. Ramakrishna Roy	Training	State orientation on Ankuran Scale Up	Hotel Chanakya	21 st -22 nd Dec, 2018
Dr. Ramakrishna Roy	IFFCO Training	Inauguration of IFFCO centre	Barharwa Kothi, Motihari	23 rd Dec, 2018
Er. Naveen Kumar	Training	Agriculture Mechanization Fair	DAO, Gopalganj	29 th Dec, 2018

b. i. Kharif Abhiyan sah Prasikshan Karyakram

S.N	Date	Venue	No. of farmers
1	17.05.18	Gopalganj	286
2	23.05.18	Baikunthpur	208
3	24.05.18	Barauli	285
4	25.05.18	Kuchaikote	266
5	26.05.18	Thawe	2013
6	28.05.18	Bhore	320

ii. Kisan Kalyan Karmshala organized on 2nd May, 2018

S.N	Venue	No. of farmers
1	Baikunthpur	175
2	Sidhwaliya	200
3	Barauli	175
4	Manjha	150
5	Gopalganj	188
6	Kuchaikote	155
7	Thawe	150
8	Hathua	210

9	Unchkagaon	158
10	Phulwariya	150
11	Bhore	161
12	Kateya	173
13	Vijaypur	162
14	Panchdeori	156

iii. Rabi Abhiyan sah Prasikshan Karyakram at Block level

S.N	Date	Venue	No. of farmers
1	24.10.2018	Gopalganj	380
2	24.10.2018	Baikunthpur	225
3	25.10.2018	Barauli	250
4	25.10.2018	Sidhwaliya	340
5	26.10.2018	Kuchaikote	300
6	26.10.2018	Manjha	300
7	27.10.2018	Hathua	500
8	27.10.2018	Thawe	215
9	31.10.2018	Vijaypur	260
10	31.10.2018	Panchdeori	430
11	31.10.2018	Bhore	620
12	31.10.2018	Kateya	525

R. PUBLICATION:**a. Research papers published (01.04.18 to 31.03.19)**

Name of the author (s)	Year	Title	Name of the Journal	Vol. No. & Page No.
Ramakrishna Roy, Prabhat Kumar, Md. Sajid Hussain, Moben Ignatius	2018	Effect of timely seeding is weakened by poor irrigation and weed management	Poster presented at CSISA annual workshop 9 th -10 th Dec, 2018	
Ranjan Laik, Santosh Kumar Singh, Bipin Kumar, Kumara BH, Nidhi, Anupama Kumari, Md. Sajid Hussain, Hemchandra Choudhary, Sudhansu Singh and Virendra Kumar	2019	Response of nutrients in submergence prone rainfed low land rice ecosystem with different food histories	Oryza	56 (1), pp 61-67
Ramakrishna Roy and Pankaj Kumar	2019	Sheep rearing practices and common diseases in Ja & K	Paper presented at “National seminar on current Scenario and future strategies for augmenting productivity in small ruminants” held at BASU from 14 th -16 th Feb, 2019.	

b. Book Chapters (01.04.18 to 31.03.19)

Name of the author (s)	Year	Chapter	Name of Book	Pages	Name of Publisher

c. Technical bulletins published (01.04.18 to 31.03.19)

Name of the author (s)	Year	Title	Name of Publisher	No. of pages	No. of copies printed	Price

d. Popular articles published (01.04.18 to 31.03.19)

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

Action Photographs



Field Day on R. Suflam



Training in session



Farm Mechanization training



Soil testing lab (minilab)



Button mushroom training



Drawing, essay competition



Azolla unit shown to farmers



Oyster mushroom training



Sponsored IFFCO training



Hon. MP addressing Farmers



Mastitis case treatment
(Diagnostic visit)



Farmer- Scientist Interaction