


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

VIIIth Extension Education Council Report
(April, 2023 to March, 2024)

A. Profile of KVK

KVK, Name	-	Gopalganj	<p style="text-align: center;">Add Map</p> 
Latitude	-	26 ^o 57'69''	
Longitude	-	84 ^o 37'62''	
Farm Area (ha)	-	20.0	
District	-	Gopalganj	

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	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
66	39	15

D. Status of revolving fund as on 31.03.2024

Opening balance (Rs.) on 01.04.2023	Total fund received (Rs.) up to 31.03.2024	Expenditure (Rs.) up to 31.03.2024	Balanced amount (Rs.) up to 01.04.2024	Cash kind to (Rs.)
759557.20	1512719.64	1628496.90	643779.94	

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.)	-	-	-	-	-	-	-

2.	Horticulture	-	-	-	-	-	-	-
3.	Plant Protection	24	20	239	50	184	15	488
4.	Home Science	24	09	13	02	149	86	250
5.	Vet. /Fisheries	12	06	88	30	28	08	154
6.	Agricultural Engineering	24	20	371	32	96	08	507

(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.)	-	-	-	-	-	-	-
2.	Horticulture	-	-	-	-	-	-	-
3.	Plant Protection	6	5	107	04	06	00	117
4.	Home Science	6	0	0	0	0	0	0
5.	Vet. /Fisheries	3	1	25	0	1	0	26
6.	Agricultural Engineering	04	02	38	0	3	0	41

(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	-	-	-	-	-	-	-
3.	Plant Protection	4	1	20	1	0	0	21
4.	Home Science	6	0	0	0	0	0	0
5.	Vet. /Fisheries	1	0	0	0	0	0	0
6.	Agricultural Engineering	4	2	25	0	21	4	50

(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)	19	433	72	351	79	935
2.	Ag. Engg. (CRA)	29	1271	98	288	168	1825

(v) Vocational Training:

SI. No.	Discipline	Achievement	No. of Beneficiaries		Total
			Male	Female	

			Others	SC/ST	Others	SC/ST	
1.	Veterinary Science	1	25	0	1	0	26
2.	Ag. Engineering	02	38	0	3	0	41

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 (2022-23)	6.0	CS	142.0	University		
		DBW 187 (2023-34)	6.0	CS	165.87			
2.	Oilseed	R. Suflam (2022-23)	1.0	TL	18.5	University		
		R. Suflam (2023-24)	2.0	TL				
3.	Finger Millet	VL Madhua-352 (2022-23)	0.18	TL	1.8	University		
		RAU-8 (2023-24)	0.18	TL	3.52			
4.	Pulses	2022-23						
		Arhar (R. Arhar-1)	1.0	FS	1.4	University		
		Chickpea (GNG-2299)	0.5	TL	4.75			
		Lentil (IPL-316)	0.18	TL	0.50			
		Moong (Virat)	1.0	CS	3.00			
		Moong (Virat)	0.18	TL	0.65			
		Pea (HUDP-15)	1.0	CS	8.5			
		2023-24						
Arhar (R. Arhar-1)	1.0	FS	Winnowing and drying under process					
5.	Paddy	2022-23						
		R. Saraswati	6.0	FS	160.40	University		
		2023-24						
		Rajshri	6.0	FS	133.0	University		
Neelam	0.54	TL	12.18					
6.	Dhaincha	-	5.0	-	1.0	University		

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

Sl. No.	Crop	Variety/Species	Quantity Produced (Nos.)	Sold to	
				Govt.	Farmers
1.	Bottle Gourd	Hybrid	460		√
2.	Sponge Gourd	Hybrid	825		√
3.	Ridge Gourd	Hybrid	33		√
4.	Biter Gourd	Hybrid	530		√
5.	Pumpkin	Hybrid	296		√
6.	Papaya	Red Lady	1130		√
7.	Cauliflower	Hybrid	500		√
8.	Cabbage	Hybrid	600		√
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	UPMC-503	Kharif	6.5	58	575	270	430	350	23.0	1.75
Oats	UPO-212	Rabi	2.0	17	680	245	590	450	31.0	1.52
Berseem	Mescavi	Rabi	2.0	14	850	450	790	720	9.72	1.80
Poultry	Kuroiler	-		80	2.5 kg	1.0 kg	2.0 kg	1.5 kg	33	1.9
Tomato	Thiamethoxam 25 WG	Kharif	0.4	11	241.2	201.0	218.1	188.82	15.48	4.94
Millets	VL Madua 352	Kharif	2.5	08	18.5	10.3	12.4	11.73	5.71	1.39
Maize	Emamectin benzoate 5SG	Rabi	2.0	08	51.50	35.43	45.63	40.25	13.37	2.10
Self propelled reaper cum binder	-	Rabi	4	10	Saving of Rs.4700 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)	Increase in yield%	BC ratio
					H	L	A			
Pigeonpea	Rajendra Arhar-1,+ Line sowing, Raised bed planting, PSB, Rhizobium, Carbendazim, micro nutrients (Zinc: Sulphur: , Pesticides	Kharif	20	50	16.5	10.5	14.50	11.25	28.9	3.8
Lentil	IPL 220 + Seed	Rabi	20	60	14.5	7.65	11.5	9.25	24.3	2.66

	treatment, Biofertilizers, Pesticides, micronutrient s									
Green gram	Virat	Summer	20	60	9.2	5.7	7.85	6.9	13.77	3.11

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 and Mustard	Rajendra Suflam + Seed treatment, PSB Herbicides, Micronutri ents (Zinc and Sulphur), Insecticides	Rabi	50	130	18.6	11.4	15.2	11.35	33.92	3.21

J. Projects:

(i) CRA Project:

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (acre)	No. of Farm ers	Production q/ha			Local check (q/ha)	Incre ase in yield %	BC ratio
					H	L	A			
2022-23 (Rabi)										
Wheat	ZT DBW-187	Rabi	300	300	48.2	35.3	42.6	35.87	18.76	2.61
	Raised bed DBW-187		75	75	45.7	35.1	41.33	34.70	19.10	2.53
	INM DBW-187		25	35	44.6	40.5	42.5	34.83	22.02	2.60
	Community irrigation		18	15	40.7	33.9	36.3	33.2	9.33	2.22
Maize	Raised bed		70	100	103.5	91.4	95.21	82.79	15.00	3.09
Maize + Potato	Intercropping (Maize: SMH 5533; Potato: Kufri Bahar)		30	70	67.9	49.3	55	49.52	13.17	2.79
		135.8			115.7	123.5 2	108.22			
Potato	PBFS Kufri bahar	Rabi	3	13	220.5	204.2	213.3 6	175.5	21.5	2.09
Mustard	Raised bed Pusa-27		50	126	15.3	13.55	13.75	11.25	22.2	3.37
Lentil	ZT		50	113	13.4	9.6	11.5	9.25	24.32	2.95

	IPL-316									
Green gram	ZT		60	60	10.2	6.7	8.2	6.9	18.8	2.31
	Virat		165	165	Green manuring					
2023 (Kharif)										
Paddy	<i>ZT/ Drum seeder/ DSR/ broadcasting</i>	Kharif								
	R. Sweta		06	06	34.45	15.56	25.22	23.88	5.61	1.73
	R. Mahsuri		90	90	36.45	19.56	28.56	25.11	13.74	1.97
	Rajshree		51	51	39.45	18.64	28.21	25.67	9.89	2.01
	Neelam		12	12	32.65	14.06	23.15	19.76	17.16	1.63
	R. Saraswati		20	20	35.11	17.11	26.42	22.32	18.36	1.93
Paddy	<i>AWD</i>									
	R. Sweta		06	06	43.77	20.67	31.55	23.88	32.11	2.23
	R. Mahsuri		30	30	35.87	19.4	24.91	22.11	12.66	1.75
	Rajshree		10	10	40.45	18.26	22.27	21.34	4.36	1.47
	Neelam		44	44	25.12	15.9	21.83	19.76	10.98	1.54
Paddy	<i>Transplanted rice</i>									
	R. Sweta		8	8	36.45	19.13	29.76	23.88	24.62	2.09
	R. Mahsuri		5	5	42.0	10.72	30.42	25.11	21.14	2.14
	Rajshree		127	127	40.45	20.64	28.94	25.67	12.74	1.97
	Neelam		-	-	34.95	22.92	24.17	19.76	22.32	2.65
	R. Saraswati		11	11	36.11	19.16	27.94	23.88	17.00	2.04
Paddy	<i>Water harvesting and field bunding in rice</i>									
	Rajshree		17	17	39.2	21.83	28.16	25.67	11.41	2.06
	Neelam		1	1	28.56	-	28.56	19.76	44.53	2.09
Paddy	<i>Community Irrigation</i>									
	R. Mahsuri		15	15	38.41	32.25	33.73	25.11	34.32	2.65
	R. Saraswati		5	5	35.35	25.67	31.61	22.32	41.62	2.21
Paddy	<i>Nutrient expert /green seeder based nutrient management</i>	Kharif								
	Rajshree		17	17	38.27	25.78	33.16	25.67	29.17	2.35
Maize	Raised bed Shaktiman-5	Kharif	30	30	56.17	39.43	46.12	42.37	8.85	1.50
Pigeon pea	Raised bed		45	45	13.45	8.75	9.45	9.17	3.05	2.64
Pigeon pea + maize	Intercropping		40	40	36.7	19.8	27.91	24.79	12.6	2.1
		7.9			5.5	6.32	6.07	4.12		

(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.							
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(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	
3.	Nutri-Garden	01	3	0	17	5	25

(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.							

(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	22	0	15	37
2.	Papaya	5	0	21	0	04	25
3.	Sponge guard	1	0	07	0	08	15
3.	Flour making machine	1	0	7	0	01	08

(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.							

(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.							

(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	

(xi) Outscaling of Natural Farming through KVKs

Extension activities carried out under natural farming

SI. No.	Name of Activities	Number of Activities	No. of Beneficiaries				Total
			Male		Female		
			Others	SC/ST	Others	SC/ST	
1	Demonstrations at farmers fields	12	11	01	0	0	12
2	Demonstration at KVK farm	01	-	-	-	-	-
3	Awareness programmes	09	267	23	236	09	535
4	Trainings	10	183	32	152	33	400

Results of demonstrations under natural farming

Crop	Variety/ Tech demo.	Season Kharif/ Rabi	Area (acre)	No. of Far mers	Production q/ha	Local check (q/ha)	Increase in yield%	BC ratio
KVK Gopalganj	Paddy (Rajshri)	Kharif	0.5	-	21.05	25.10	-16.14	1.56
Farmers' fields	Paddy (R. Mahsuri)		08	08	11.19	19.20	-41.72	0.88

MSP: Rs. 2183/qt

Note: Due to less rainfall and attack of brown spot disease, the yield of paddy was very low. In some fields, the plants remained in vegetative state and panicles did not form, resulting in complete loss. In KVK, the paddy yield was affected due to lodging caused by heavy wind.

K. On Farm Trial 1

Discipline : Ag. Engineering
Title : Assessment of Happy seeder for wheat sowing under crop residue management
Crop : Wheat
No. of Trials : 10
Area : 4.0 ha

Results:

Treatment	Technology					
T ₁	FP: Broadcasting (in tilled condition)					
T ₂	TO1: Sowing of wheat by Happy seeder incorporating the crop residue					
T ₃	TO2: Removal of crop residue and sowing by Zero Till drill					
Result						
Treatments	Yield q/ha	Increase in yield over FP (%)	Result: Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
T ₁ (FP)	29.8 ^a	-	32714	63325	28611	1.82
T ₂ (TO1)	33.8 ^b	13.42	30409	71825	41416	2.36
T ₃ (TO2)	32.5 ^b	9.06	29804	69062	39258	2.32
CD (0.05)	0.689					
SEm	2.109					

Recommendation: Sowing of wheat by Happy seeder incorporating the crop residue may be best option.



Wheat sowing by Happy Seeder



Crop cutting of Happy seeder sown field

On Farm Trial 2

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

Result:

Treatment	Technology
T ₁	FP: Sun drying
T ₂	TO1: Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer)
T ₃	TO2: Biodegradable LDPE bag (40-60 micron or 100-150 gauge) (wash in plain water, pretreated with 0.1% Citric acid and 0.05 % KMS)

Result												
Treatments	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: Sun drying	2.85 ^b	2.65 ^b	2.39 ^b	2.22 ^b	6.3 ^c	6.1 ^c	5.8 ^c	5.5 ^c	6.4 ^c	6.2 ^c	5.7 ^c	5.3 ^c
TO1: Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer)	3.69 ^a	3.62 ^a	3.56 ^a	3.46 ^a	7.3 ^b	7.1 ^b	6.8 ^b	6.7 ^b	7.2 ^b	6.9 ^b	6.7 ^b	6.5 ^b
TO2: Biodegradable LDPE bag (40-60 micron or 100-150 gauge) (wash in plain water, pretreated with 0.1% Citric acid and 0.05% KMS)	3.75 ^a	3.70 ^a	3.64 ^a	3.52 ^a	8.5 ^a	8.3 ^a	8.0 ^a	7.7 ^a	8.6 ^a	8.4 ^a	8.1 ^a	7.8 ^a
SEm ±	0.29	0.34	0.40	0.42	0.64	0.63	0.69	0.62	0.64	0.66	0.71	0.73
CD (0.05)	0.172	0.154	0.216	0.217	0.141	0.308	0.276	0.250	0.157	0.271	0.291	0.30



Oyster mushroom with TO1 and TO2



Sun drying using low cost solar dryer

Recommendation: TO1: Suitable Punnet (wash in plain water, pretreated with 0.05% KMS and dried in solar dryer) may be the best option

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 <i>P. fluorescens</i> @ 10g/ Kg + Nursery bed treatment with <i>P. fluorescens</i> @ 20 g/m ² + Soil application of <i>P. fluorescens</i> @ 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 <i>T. viridae</i> @ 10g/ Kg + Nursery bed treatment with <i>T. viridae</i> @ 50 g/m ² + Soil application of <i>T. viridae</i> @ 5 kg/ ha mixed with 500 kg. vermicompost per ha at 30 Days After Transplanting (DAT) + Spray of HNPV @ 250 LE/ha				
Result					
Treatments	Yield q/ha	Result: Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio
T ₁ (FP)	166.01 (1.57)	44703.89	166010.00	121306.11	3.71
T ₂ (TO1)	257.58 (1.96)	53748.89	257580.00	203831.11	4.79
T ₃ (TO2)	265.10 (1.99)	55237.78	265100.00	209862.22	4.81
CD (0.05)	(0.09)				

Efficacy of bio-intensive management practices against major pests of tomato




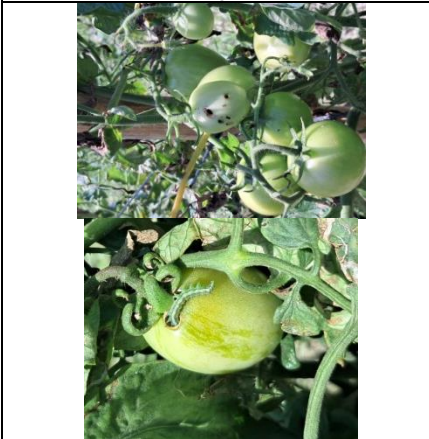
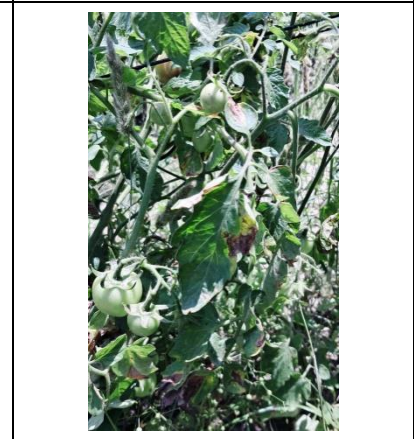

Technology options	Fruit borer (<i>H. armigera</i>)				Sucking pests (aphids & whiteflies)				Late blight			
	Fruit infestation (%)				No. of individuals/plant				Disease incidence (%)			
	6 DAS [*]	12 DAS	18 DA	Mean	2 DAS	4 DAS	6 DAS	Mean	45 DAP ^{**}	65 DA	85 DA	Mean
Farmers Practice (FP)	15.30 (3.90)	15.55 (4.06)	14.44 (3.92)	15.10 (3.96) ^a	42.00 (6.52)	43.78 (6.67)	47.23 (6.92)	44.34 (6.70) ^a	10.65 (3.23)	12.50 (3.51)	16.20 (4.01)	13.12 (3.58) ^a
Technology option-I (TO-I)	12.26 (3.49)	11.77 (3.55)	11.85 (3.58)	11.96 (3.54) ^b	61.67 (7.90)	72.44 (8.57)	72.11 (8.55)	68.74 [#] (8.34) ^b	8.33 (2.84)	10.88 (3.28)	13.89 (3.72)	11.03 (3.28) ^{ab}
Technology option-II (TO-II)	11.35 (3.36)	11.72 (3.56)	12.04 (3.61)	11.70 (3.51) ^b	60.22 (7.76)	74.00 (8.65)	75.67 (8.74)	69.96 [#] (8.38) ^b	6.25 (2.40)	8.10 (2.80)	11.81 (3.41)	8.72 (2.87) ^b
CD (P=0.05)				(0.30)				(0.65)				(0.50)

Figures in parentheses are square root transformed values

* Days after spray; ** Days after planting

[#]No specific spray was given for sucking pests in TO-I & TO-II; but data were recorded simply following the same trend as in case of FP where insecticidal spray was given by the farmers

Recommendation: TO-I and TO-II can be used against tomato fruit borer. TO-II involving *T. viridae* as a bioagent against fungus can be utilized against late blight of tomato. For sucking pests' complex, systemic pesticide i.e. Imidacloprid 17.8 SL can be utilized.

 <p>GPS Map Camera Bishunpura, Bihar, India G7M7+J6P, Bishunpura, Bihar 841503, India Lat 26.533657° Long 84.26351° 14/11/22 02:33 PM GMT +05:30</p>	 <p>Latitude: 26.534511 Longitude: 84.26916 Elevation: 27.25915 m Accuracy: 3.22 m Name: 26.533657, 84.26351 Note: OFT Tomato</p>	 <p>Latitude: 26.534441 Longitude: 84.269581 Elevation: 27.25911 m Accuracy: 9.0 m Time: 22:02:2023 13:21 Note: OFT Tomato</p>
<p>Seed and nursery bed treatment with bioagents</p>	<p>Application of <i>HaNPV</i></p>	<p>Tomato crop under OFT</p>
		
<p><i>H. armigera</i> larval damage on tomato fruit</p>	<p>Late blight symptoms on tomato leaves</p>	<p>Aphids feeding on tomato leaves</p>

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

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						
Treatments	Yield q/ha	Increase in yield over FP (%)	Result: Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net Return (Rs./ha)	BC Ratio

T ₁ (FP)	53.25	-	55000	213000	158000	3.87
T ₂ (TO1)	62.13	16.67	59000	248520	189520	4.21
T ₃ (TO2)	60.50	13.61	58000	242000	184500	4.17
CD (0.05)	0.17					

Effect of different management practices against litchi fruit infestation

Technology options	Fruit borer infestation (%)				
	Early stag	Mid stage	Harvest stag	Mean	Reduction in infestation over FP (%)
Farmers Practice (FP)	6.92 (2.62) ^a	20.24 (4.50) ^a	24.16 (4.91) ^a	17.10 (4.02) ^a	-
Technology option-I (TO-I)	1.75 (1.30) ^c	8.04 (2.82) ^c	12.87 (3.58) ^c	7.55 (2.58) ^c	55.85
Technology option-II (TO-II)	3.20 (1.78) ^b	11.95 (3.45) ^b	16.50 (4.05) ^b	10.55 (3.10) ^b	38.30
CD (P =0.05)	(0.21)	(0.26)	(1.13)	(0.23)	

Figures in parentheses are square root transformed values
Litchi sale rate= Rs. 4000/q



Demonstration



Application of pesticides on litchi plant

Recommendation: TO-I can be adopted by the farmers for timely application of different practices against litchi fruit borer. In TO-I, different pesticides were applied during different crop growth stages such as flowering stage (neem application), clove size stage (Novaluron 10 EC @1.5 ml/lit), aril development stage (Emamectin Benzoate 5 SG @0.4g/l) and 10 days before harvest (Novaluron 10 EC @1.5 ml/l) which may be the reason of its superiority among other technologies where timely application of practices was not followed. 17.8 SL can be utilized.

On Farm Trial 5:

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 (NDDDB, Anand)
T ₃	Technology option-II (TO-II) : Adulterant detection kit (NDRI, Karnal)
Result	Awaited

On Farm Trial 6:

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 dettrassing tool (ICAR- Sugarcane breeding institute Coimbatore)
Result	Awaited

On Farm Trial 7:

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

Treatment	Technology
T ₁	Farmers Practice (FP): Scavenging in backyard poultry
T ₂	TO-I: 30 grams maize and 10 grams mustard cakes with scavenging /bird
T ₃	TO-II: 30 grams moringa dry leaves and 10 grams earthworms with scavenging/bird
Result	Awaited

L. TV Talk/Radio Talk:

Sl. No.	Topic of the talk	Name of Scientist	TV/Radio talk station	Date of Recoding
1.				
2.				
Total				

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

SI. No.	Particulars	Date	No. of Participants
1.	Viksit Bharat Sankalp Yatra	09.12.2023	100
2.	VBSY	01.12.2023	63
3.	VBSY	03.12.2023	115
4.	VBSY	04.12.2023	68
5.	VBSY	06.12.2023	67
6.	VBSY	07.12.2023	64
7.	VBSY	08.12.2023	61

8.	VBSY	09.12.2023	59
9.	VBSY	10.12.2023	40
10.	VBSY	13.12.2023	79
11.	VBSY	14.12.2023	88
12.	VBSY	15.12.2023	1110
13.	VBSY	17.12.2023	380
14.	VBSY	18.12.2023	500
15.	VBSY	20.12.2023	2900
16.	VBSY	21.12.2023	2125
17.	VBSY	22.12.2023	1550
18.	VBSY	23.12.2023	1750
19.	VBSY	24.12.2023	1350
20.	VBSY	26.12.2023	1150
21.	VBSY	27.12.2023	4000
22.	VBSY	29.12.2023	2300
23.	VBSY	30.12.2023	2600
24.	VBSY	31.12.2023	2050
25.	VBSY	01.01.2024	1050
26.	VBSY	02.01.2024	1350
27.	VBSY	03.01.2024	1450
28.	VBSY	04.01.2024	2800
29.	VBSY	05.01.2024	3840
30.	VBSY	06.01.2024	1810
31.	VBSY	07.01.2024	1350
32.	VBSY	08.01.2024	3770
33.	VBSY	09.01.2024	1200
34.	VBSY	10.01.2024	1275
35.	VBSY	11.01.2024	3100
36.	VBSY	12.01.2024	1200
37.	VBSY	13.01.2024	1025
38.	VBSY	16.01.2024	1600
39.	VBSY	17.01.2024	1500
40.	VBSY	18.01.2024	1800
41.	VBSY	19.01.2024	3100
42.	VBSY	20.01.2024	1400
43.	VBSY	21.01.2024	550
44.	VBSY	22.01.2024	550
45.	VBSY	23.01.2024	1500
46.	VBSY	24.01.2024	1150
47.	VBSY	25.01.2024	1200
48.	VBSY	26.01.2024	650
49.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	05.02.2024	160
50.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	07.02.2024	200
51.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	13.02.2024	160
52.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	17.02.2024	160

53.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana	19.02.2024	200
54.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	20.02.2024	120
55.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	22.02.2024	160
56.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana	23.02.2024	120
57.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	28.02.2024	160
58.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	16.03.2024	200
59.	Training programme on sugarcane under “MukhyamantriGannaVikasYojana”	17.03.2024	280
60.	Kharif Maha-Abhiyan	27.05.2023	400
61.	Kharif Maha-Abhiyan	07.06.2023	50
62.	Kharif Maha-Abhiyan	08.06.2023	50
63.	Kharif Maha-Abhiyan	09.06.2023	50
64.	Kharif Maha-Abhiyan	12.06.2023	60
65.	Rabi mahabhiyan	14.10.2023	400
66.	Rabi mahabhiyan	28.10.2023	150
67.	Rabi mahabhiyan	01.11.2023	235
68.	Rabi mahabhiyan	03.11.2023	330

N. SAC conducted at KVK:

SI. No.	Particulars	Date	No. of Participants
1.	SAC meeting	04.10.2023	22

O. List of visitors at KVK:

Date	Name of the person	Designation	Purpose of visit
17.01.2023	Yashpal Singh	Dy. G.M., Vishnu Sugar mill, Gopalganj	KVK Visit
16.03.2023	Dr. Zahid Hussain	DAHO, Gopalganj	KVK Visit
23.03.2023	Dr. D.K. Roy	Director, Seed, RPCAU, Pusa	Seed production monitoring visit
27.03.2023	Dr. Anupam LAI Kusumkar	DDM, NABARD, Gopalganj	Discussion about various activities
05.04.2023	Raju Kumar Gupta	ADA, Sipaya	KVK Visit, crop cutting
05.04.2023	Vikas Kumar	SAO, Gopalganj	KVK Visit, crop cutting
23.06.2023	Dr. Rajesh Kumar	Associate Professor, Seed, Dholi	Monitoring visit
12.07.2023	Akash Kumar	ADH, Gopalganj	Field visit
18.08.2023	Dr. Zahid Hussain	DAHO, Gopalganj	Krishak Vigyanik Vartalap
18.08.2023	Renu Kumari	Dy. PD ATMA, Gopalganj	Krishak Vigyanik Vartalap
18.08.2023	Shri Bhudeo Rana Yashu	SDAO, Hathua	Krishak Vigyanik Vartalap
29.08.2023	Dr. Rakesh Mani Sharma	University Librarian, DrRPCAU Pusa, Samastipur	Discussion about digital resources being offered by the university library
10.10.2023	Dr. A.K. Singh	Director SRI and	CRA monitoring visit

		Director Research, DrRPCAU, Pusa	
02.11.2023	Shri Bhupendra Mani Tripathi	DAO, Gopalganj	For seeing CRA activities, crop cuttings
09.12.2023	Shri Janak Ram	MLC and Former MP, Gopalganj	Viksit Bharat Sankalp Yatra
09.12.2023	Shri Sunil Mishra	BDO, Kuchaikote	Viksit Bharat Sankalp Yatra
09.12.2023	Dr. Anupam Lal Kusumkar	DDM, NABARD, Gopalganj	Viksit Bharat Sankalp Yatra

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

Sl. No.	Name of Programme	Nature of Programme Attended	Name of KVK personnel and designation	Date and Duration	Organizer/Venue
1.	Meetings	Finance review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.01.2023	ATARI, Patna
		Finance review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	11.01.2023	ATARI, Patna
		Kisan Mela Meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	16.01.2023	DrRPCAU Pusa
		KVK Review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	24.01.2023	DrRPCAU Pusa
		Finance review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	13.02.2023	ATARI, Patna
		ASCI meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	07.03.2023	ATARI, Patna
		Meeting on “Kharif-2023”	Dr. Anita Gautam, SMS, Home Sciece	03.04.2023	Trihut Agricultural College, Dholi
		CRA review meeting	Er. Naveen Kumar,	25.04.2023	DrRPCAU Pusa

			SMS (Ag. Engg.)		
		Meeting on “World Intellectual Property Day”	Dr. Ramakrishna Roy, Sr. Scientist and Head	26.04.2023	
		Meeting on “World Intellectual Property Day”	Dr. Anita Gautam, SMS, Home Science	26.04.2023	
		Virtual meeting of KVK	Dr. Ramakrishna Roy, Sr. Scientist and Head	10.05.2023	ATARI, Patna
		Pre-EEC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	26.05.2023	Dr. RPCAU Pusa
		Review meeting of Zonal workshop	Dr. Ramakrishna Roy, Sr. Scientist and Head	03.07.2023	ATARI Patna
		Action Plan Meeting for millet recipe contest-2023	Dr. Anita Gautam, SMS, Home Science	25.07.2023	ATARI Patna
		Foundation day meeting of ATARI Patna	Dr. Ramakrishna Roy, Sr. Scientist and Head	02.08.2023 and 07.08.2023	ATARI Patna
		Monthly review meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	10.08.2023	Dr. RPCAU Pusa
		Seed hub meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	20.09.2023	BAMETI Patna
		SAC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.10.2023	KVK Gopalganj
		SAC meeting	Er. Naveen Kumar, SMS (Ag. Engg.)	04.10.2023	KVK Gopalganj
		SAC meeting	Dr.	04.10.2023	KVK Gopalganj

			Abhishek Rana, SMS, Plant Protection		
		GeM meeting	Er. Naveen Kumar, SMS (Ag. Engg.)	21.10.2023	DrRPCAU Pusa
		Meeting at DM office	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.11.23	DM Office, Gopalganj
		Meeting on “Burning of straw”	Dr. Ramakrishna Roy, Sr. Scientist and Head	04.11.23.	DM office, Goplganj
		ZREAC meeting	Dr. Ramakrishna Roy, Sr. Scientist and Head	08.11.23	DrRPCAU, Pusa
		Meeting on “ Viksit Bharat Sankalp Yatra”	Dr. Ramakrishna Roy, Sr. Scientist and Head	09.11.23	ATARI, Patna
		Review meeting of KVKs	Dr. Ramakrishna Roy, Sr. Scientist and Head	21.11.23	ATARI, Patna
		Meeting on seed production programme under CRA	Dr. Abhishek Rana, SMS, Plant Protection	26.12.2023	Director Seed, TCA Dholi
		Review meeting	Dr. Abhishek Rana, SMS, Plant Protection	28.12.2023	Director, ATARI Patna
2.	Conferences	International Conference on Global Approaches in Agriculture and allied Sciences for Sustainability, Food Security and Livelihood,	Dr. Anita Gautam, SMS, Home Sciece		Agra UP
		Sixth international conference on Strategies and challenges in	Dr. Abhishek Rana, SMS, Plant	28.04.2023 to 30.04.2023	Department of Environmental Science, HPU Shimla, ATDS

		agricultural and life science for food security and sustainable environment.	Protection		Society, Ghaziabad and Department of Horticulture, J.V. College, Baraut U.P.
3.	Workshops	Annual Review Meeting and workshop of CRA programme	Er. Naveen Kumar, SMS (Ag. Engg.)	18.01.2023 and 19.01.2023	CRAP
		CFLD workshop	Dr. Ramakrishna Roy, Sr. Scientist and Head	18.03.2023 and 19.03.2023	ATARI, Patna
		6th Annual Zonal Workshop of KVKs	Dr. Ramakrishna Roy, Sr. Scientist and Head	08.07.2023 to 10.07.2023	RKMVERI, Ranchi
		8th Foundation Day of ICAR-ATARI Patna	Dr. Ramakrishna Roy, Sr. Scientist and Head	19.08.2023	BAMETI, Patna
4.	Trainings	Training programme on Natural Farming	Er. Naveen Kumar, SMS (Ag. Engg.)	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		Training programme on Natural Farming	Dr. Anita Gautam, SMS, Home Sciece	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		Training programme on Natural Farming	Dr. Abhishek Rana, SMS, Plant Protection	25.03.2023 to 27.03.2023	Dr. RPCAU Pusa
		21 days certificate course on Agri Skill India (ASI) organised	Er. Naveen Kumar, SMS (Ag. Engg.)	09.04.2023 to 29.04.2023.	Indian Institute of Maize Research and Hindustan Agricultural Research Welfare Society
		21 days certificate course on Agri Skill India (ASI) organised	Dr. Abhishek Rana, SMS, Plant Protection	09.04.2023 to 29.04.2023.	Indian Institute of Maize Research and Hindustan Agricultural Research Welfare Society
		Training programme on Value Chain Extension organised	Er. Naveen Kumar, SMS (Ag.	13.06.2023 to 15.06.2023	RPCAU Pusa

		Engg.)		
	Training programme on Value Chain Extension organised	Dr. Abhishek Rana, SMS, Plant Protection	13.06.2023 to 15.06.2023	RPCAU Pusa
	e-office training programme	Dr. Ramakrishna Roy, Sr. Scientist and Head	14.06.2023	NIC and RPCAU Pusa
	e-office training programme	Er. Naveen Kumar, SMS (Ag. Engg.)	14.06.2023	NIC and RPCAU Pusa
	e-office training programme	Dr. Anita Gautam, SMS, Home Sciece	14.06.2023	NIC and RPCAU Pusa
	e-office training programme	Dr. Abhishek Rana, SMS, Plant Protection	14.06.2023	NIC and RPCAU Pusa
	Training programme on Banana Chips Making	Dr. Abhishek Rana, SMS, Plant Protection	16.06.2023	RPCAU Pusa
	Natural Farming training programme along	Dr. Ramakrishna Roy, Sr. Scientist and Head	17.09.2023 to 18.09.2023	Piparakothi from

Q. Other Extension activities

Sl. No.	Nature of Extension Activity	No. of activities	Beneficiaries		
			M	F	Total
1.	Kisan Mela participated	3	396	7	403
2.	Field Day	3	94	3	97
3.	Method Demonstrations	01	18	0	18
4.	Lectures delivered as resource persons	19	2076	491	2567
5.	Advisory Services	585	843	1	844
6.	Scientific visit to farmers field	40	320	25	345
7.	Farmers visit to KVK	45	490	84	574
8.	Diagnostic visits	40	320	25	345
9.	Exposure visits	2	102	0	102
10.	Republic day (26 th Jan.)	01	25	16	41
11.	International Yoga Day (21st Jun.)	01	10	0	10
12.	Independence Day (15th Aug.)	01	20	26	46
13.	Parthenium Awareness Week	02	30	23	53
14.	World Soil Day (5th Dec.)	01	63	00	63

15.	International Year of millets-2023	01	03	41	44
16.	ICAR Foundation Day and Technology Day celebration	03	114	10	124
17.	Krishak Vaigyanik Vartalap	01	166	93	259
18.	World Environment Day	01	21	53	74
19.	Importance of energy conservation in agriculture	01	15	40	55

R. PUBLICATIONS:

(i) Research papers published (01.04.2023 to 31.03.2024)

Name of the author (s)	Year	Title	Name of the Journal & NAAS Rating	Vol. No. & Page No.
Jha RK, Sattar A, Singh AK, Kundu MS, Tiwari RK, Singh AK, Singh AK, Das S, Pal R, Kushwah S, Kumari AR, Meena M, Singh P, Gupta SK, Shekhar D, Rai SK, Kumar Gangwar S, Roy RK, Prasad RI, Singh AP, Singh RP, Singh PK, Srivastawa PK, Jha BK, Senapati R, Das S, Suman SK, Singh G, Rajak SK, Kumari N, Rai A, Kumar S, Kashyap V, Kumari S, Chhetri KB, Kumar T, Prasad S, Gangwar A, Nalia A, Patra A, Singh R, Ramulu C, Praharaj S, Regar KL, Patel SS, Kumari V, Chauhan L, Harsh BR, Kapil ST, Soren J, Choudhury S, Tamta S, Kumar N and Tiwari DK	2023	Managing climatic risks in rice-wheat cropping system for enhanced productivity in middle Gangetic plains of India.	Frontiers in Sustainable Food Systems (NAAS: 10.7)	7:1259528 doi: 10.3389/fsufs.2023.1259528
Rana A., Chandel R.S., Verma K.S. & Malannavar A.	2023	Comparative biology, host preference behaviour and biological control of <i>Melolontha cuprescens</i> , <i>Melolontha furcicauda</i> and <i>Melolontha indica</i> (Coleoptera: Scarabaeidae),	Oriental Insects (NAAS: 6.50)	DOI: 10.1080/00305316.2023.2256725
Chandel R.S., Kalpana H.S., Verma K.S., Rana A and Baloda A.S.	2023	Biology of <i>Holotrichia longipennis</i> and <i>Holotrichia sikkimensis</i> (Coleoptera: Scarabaeidae) in north-western	<i>Biologia</i> (NAAS: 7.5)	https://doi.org/10.1007/s11756-023-01374-x

		Himalaya, India and morphological description of their immature stages		
Chandel R.S., Chandel Y., Rana A., Thakur H., and Verma K.S	2023	Diversity and abundance of phytophagous scarab beetles in north-western Himalaya (India)	<i>Biologia</i> (NAAS: 7.5)	https://doi.org/10.1007/s11756-023-01374-x
Kumar N. and Tewari V.K.	2023	Modification of reflective muffler in farm tractor to reduce noise level using Finite element method.	<i>Journal of Biosystem Engineering</i>	https://doi.org/10.1007/s42853-023-00181-1
Gautam A, Kumar S, Paswan S and Kumari R.	2023	Effect of education on women's knowledge, attitude and practice (KAP) behavior as a consumer towards food adulteration and its safety measures in Lucknow District.	<i>The Pharma Innovation Journal</i>	12(8): 155-159

(ii) Book Chapters (01.04.2023 to 31.03.2024)

Name of the author (s)	Year	Chapter	Name of Books & its ISBN No.	Pages	Name of Publisher

(iii) Technical bulletins published (01.04.2023 to 31.03.2024)

Name of the Author (s)	Year	Title	Name of Publisher	No. of Pages	No. of Copies Printed	Price
Rana A, Roy R, Kumar N, Gautam A, Kumar R and Raj K.	2023	Kam Lagat Prakritik Kheti: Mehatav evum Laabh.	KVK Gopalganj, Dr. RPCAU Pusa, Samastipur	4p	3000	12000
Rana A, Roy R, Kumar N, Gautam A, Kumar R and Raj K.	2023	Prakritik Kheti ke Pramukh Stambh. Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur 4p.	KVK Gopalganj, Dr. RPCAU Pusa, Samastipur	4p	4000	16000
Rana A, Roy R, Kumar N, Gautam A, Kumar R and Raj K..	2023	Prakritik Kheti mein Phasal Suraksha hetu Upaye. Published by KVK Gopalganj, Dr. RPCAU Pusa,	KVK Gopalganj, Dr. RPCAU Pusa, Samastipur	4p	2000	8000

		Samastipur				
Kumar N, Raj K, Roy R, Rana A, Gautam A and Kumar R.	2023	Laser Land Leveler se Khet ka Samatlikaran.	Published by KVK Gopalganj, Dr. RPCAU Pusa, Samastipur	2p	1000	4000

(iv) Popular articles published (01.04.2023 to 31.03.2024)

Name of the Author (s)	Year	Title	Name of the Magazine	Vol. No. & Page Numbers
Rana A., Roy R.K., Kumar N. and Kumar R.	2023	Prakritik Kheti ke mehtavpuran ghatak evum pramukh kriyaein	Submitted to Kisan Bharti magazine, Pantnagar	

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, 2024 to March, 2025)

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	479	120	599
4.	Home Science	24	110	490	600
5.	Vet. /Fisheries	12	233	60	293
6.	Agricultural Engineering	24	475	123	598

(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	110	65	175
4.	Home Science	6	15	145	160
5.	Vet. /Fisheries	3	73	2	75
6.	Agricultural Engineering	4	78	22	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	15	140	155
5.	Vet/ Fisheries	1	25	0	25
6.	Agricultural Engineering	4	604	40	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	Neelam	6.0	180.0 q
3	Pigeonpea	R. Arhar 1	1.0	8.0 q
	Finger millet	RAU 08	3.0	8.0 q
3	Dhaincha	Local	1.0	5.0 q
3.	Wheat	DBW 187	6.0	180.0 q
4.	Gram	GNG 2299	1.0	8.0
5.	Pea	HUDP 15	1.0	8.0
6	Papaya	Red Lady	2000 nos.	
8	Cauliflower	Hybrid	10,000 nos.	
9	Cucurbits	Hybrid	10,000 nos.	
	Chilli	Hybrid	10,000 nos.	

C. FLD:

Season	Variety/ Tech demo.	Area (ha)/No.	No. of Demonstration
Sorghum	UPMC 503	6.0	40
Oats	UPO 212	2.0	20
Berseem	Mescavi	2.0	20
Sugarcane	Sugarcane bud chipper	10	10
Litchi	New chemistry insecticides (Imidacloprid 17.8 SL, Novaluron 10 EC, emamectin benzoate 5 SG) and Neem	10	10
Vegetable Garden Kits	Misc.	20	20

(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	60	500
5.	Scientist Visit of Farmers Field	55	250
6.	Mobile Services	350	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	Demonstration under Natural Farming	12	12
11	Trainings under Natural Farming	10	400
12	ASCI training	1	25
