Annual Progress Report

(January 2019 - December 2019)

Krishi Vigyan Kendra, Manpur, Gaya

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur




ANNUAL REPORT 2019 (1st January 2019 - 31st December 2019)

1. GENERAL INFORMATION ABOUT THE KVK

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

Address	Telephone		E mail
	Office	FAX	
Krishi Vigyan Kendra, Manpur, Gaya - 823003			kvkmanpurgaya@gmail.com

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

Address	Telephone		E mail
	Office	FAX	
Vice-Chancellor, Bihar Agricultural University, Sabour, Bhagalpur	0641-2452606	0641-2452606	vcbausabour@gmail.com

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

Name	Telephone / Contact		
	Residence	Mobile	Email
Dr. Rajeev Singh		9431204379	kvkmanpurgaya@gmail.com

1.4. Year of sanction of KVK: **F. No. 18-13/94-AE-I Date: 24.03.2006**

1.5. Staff Position (**as on 31st December 2019**)

Sl. No.	Sanctioned post	Name of the incumbent	Designation	Discipline/	Pay Scale with present basic	Date of joining	Permanent /Temporary	Category (SC/ST/ OBC/ Others)
1.	Senior Scientist& Head	Dr. Rajeev Singh	Senior Scientist & Head	Agronomy	(37400-67000) 46400/-	05-07-2019	Permanent	Others
2.	Subject Matter Specialist	Dr. Ashok Kumar	SMS	Extension Education	(15600-39100) 31790/-	08-01-2008	Permanent	OBC
3.	Subject Matter Specialist	Sri Devendra Mandal	SMS	Agronomy	(15600-39100) 25840/-	17-04-2012	Permanent	OBC
4.	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Animal Science	(15600-39100) 25840/-	20-04-2012	Permanent	SC
5.	Subject Matter Specialist						Vacant	
6.	Subject Matter Specialist						Vacant	
7.	Subject Matter Specialist						Vacant	
8.	Programme Assistant	Smt. Neha	Prog. Asstt.(Lab. Tech.)	B. Sc. (Ag)	(9300-34800) 16630/-	02-11-2012	Permanent	OBC
9.	Computer Programmer	Dr. Ved Prakash	Prog. Asstt. (Computer)	MCA, Ph.D.	(9300-34800) 16140/-	20-05-2013	Permanent	OBC
10.	Farm Manager	Sri Mukesh Kumar	Farm Manager	M.Sc.(Ag) (Ext.Edu.)	(9300-34800) 16630/-	30-10-2012	Permanent	OBC
11.	Accountant/Superintendent	Sri Prem Kumar Thakur	Assistant	MBA in Finance	(9300-34800) 16140/-	13-04-2013	Permanent	OBC
12.	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	(5200-20200) 11860/-	04-07-2013	Permanent	OBC
13.	Driver	Sri Rohit Kumar	Driver	Matric	(5200-20200) 9540/-	22-05-2015	Permanent	OBC
14.	Driver						Vacant	
15.	Supporting staff	Smt. Laxami Devi	Supporting staff	Non-Matric	10939/-(consolidated)		(Outsource)	SC
16.	Supporting staff	Sri Naulesh Kumar	Supporting staff	Matric	10939/-(consolidated)		(Outsource)	SC

1.6. Total land with KVK (in ha) :

S. No.	Item	Area (ha)
1	Under Buildings	1.2
2.	Under Demonstration Units	0.3
3.	Under Crops	5.0
4.	Orchard/Agro-forestry	1.7
5.	Others with details	1.8
	Total	**10.0 ha**

Total area should be matched with breakup

1.7. Infrastructure Development:

A) Buildings and others

S. No.	Name of infrastructure	Not yet started	Completed up to plinth level	Completed up to lintel level	Completed up to roof level	Totally completed	Plinth area (sq.m)	Under use or not*	Source of funding
1.	Administrative Building					handed Over			ICAR/RAU
2.	Farmers Hostel					handed over			
3.	Staff Quarters (6)								
4.	Piggery unit								
5	Fencing					Only two side (2200 ft) Approx			
6	Rain Water harvesting structure								
7	Threshing floor					Handed Over			
8	Farm godown					Handed Over			RKVY
9.	Dairy unit								
10.	Poultry unit								
11.	Goatary unit					Complete			ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16	Others,Please Specify								
	Mali shade					Handed Over			NHM
	Farm Godown					Handed Over			RKVY
	Generator Room					Handed Over			RKVY
	Sale Counter								

* If not in use then since when and reason for non-use

B) Vehicles

Type of vehicle	Year of purchase	Cost (Rs.)	Total km. Run	Present status
Bolero LX 2WD7STR Non AC BS11	2006	458070.00		Not Working
Tractor DIJ MF1035 /Mahashakti	2006	386544.00		Not Working
Bolero	2019	800000.00	5263	Working

C) Equipment & AV aids

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
a. Lab equipment				
Steel Dram	2007		Satisfactory	
Godrej Book selves & Almirah	2007		Satisfactory	
Computer with accessories	2007		Satisfactory	
Inverter	2010		Satisfactory	
Index card reader	2010		Satisfactory	
Honey box & Accessories	2011		Satisfactory	
Punch sealer Machine	2011		Satisfactory	
LCD Projector	2011		Satisfactory	
Generator	2011		Satisfactory	
Book self	2011		Satisfactory	
Inverter	2012		Satisfactory	
Exide Battery (2)	2012	37500	Satisfactory	
Computer with accessories	2012	49145	Satisfactory	
Godrej almirah 1,Table 4, Chair 10, Revolving 1, Rack 1	2013	98092	Satisfactory	
Godrej almirah 9	2014		Satisfactory	
Photocopier Machine	2014	75000	Satisfactory	
Biometric based attendance machine	2014	24750	Satisfactory	
Fiber chair & Table	2014		Satisfactory	
Microscope	2014		Satisfactory	
Steel bed	2014		Satisfactory	
Trunk steel	2014		Satisfactory	
Vegetable Processing unit	2014		Satisfactory	
Water Purifier Machine	2014		Satisfactory	
Video Conference Materials	2014		Satisfactory	
Mini Studio Room Materials	2014		Satisfactory	
Motorcycle Hero Passion Pro (2)	2015	120000	Satisfactory	
Exide IT 500 Battery (2)	2016	29000-5000=24000	Satisfactory	
Tyre (3)	2016	15850	Satisfactory	
Ahuja PA Lectern SystemWSL2500R	2016	38000	Satisfactory	
Map My India Navigator LX140WS	2016	6000	Satisfactory	
Dell Desktop I5/4/1TB computer set (1)	2016	49500	Satisfactory	
Split AC Voltas 5Star with stabilizer (1)	2016	43000	Satisfactory	
Stablizer full copper 5KVA (2)	2016	25000	Satisfactory	
Godrej Kareena High back chair (6)	2016	90717	Satisfactory	
Godrej Insight Table 6'x3' (1)	2016	10337	Satisfactory	
Xerox Photocopier- cum –printer with cartridge, Trolly& stabilizer (1)	2016	98,022	Satisfactory	BAU, Sabour
Computer + Laptop (1+1)	2016	82,583	Satisfactory	BAU, Sabour
CCTV Camera (4)	2016	21,000	Satisfactory	BAU, Sabour
LED Flood Light (1)	2016	6,500	Satisfactory	BAU, Sabour
Projector with Projector Screen + wifi Dongle (1+1)	2016	52,000	Satisfactory	BAU, Sabour
Video Camera Handy cam (1)	2016	82,871	Satisfactory	BAU, Sabour
Sound System Ahuja (1)	2016	30,165	Satisfactory	BAU, Sabour
Water Cooler (Voltas 40/80) (1)	2016	59,500	Satisfactory	BAU, Sabour
Euro Aqua water purifier (1)	2016		Satisfactory	BAU, Sabour
LED TV Panasonic TH-32 C200DX (1)	2016	27,200	Satisfactory	BAU, Sabour

Still Photographic Camera Cannon DSLR (1)	2016	29,600	Satisfactory	BAU, Sabour
External Hard Drive Lenovo Portable F309 1TB (1)	2016	5,600	Satisfactory	BAU, Sabour
Vacuum cleaner (Eureka forbes Trendy) (1)	2016	9,950	Satisfactory	BAU, Sabour
Fire Extinguisher Cylinder 4Kg (1)	2016	9,649	Satisfactory	BAU, Sabour
25 KVA Eicher Jaycee/Diesel Generator Set (1)	2016	3,94,133	Satisfactory	BAU, Sabour
215/75 R15 Tyre (1)	2016	5,350	Satisfactory	KVK, Gaya
Garmin Etrex 20 Handheld GPS (1)	2017	14,451	Satisfactory	KVK, Gaya
HP Printer Laserjet M1005 MFP (1)	2017	14,700	Satisfactory	KVK, Gaya
MicrotekSinewave UPS-SEBZ 1600/24V V2 (1)	2017	6,000	Satisfactory	KVK, Gaya
MicrotekSinewave UPS-SEBZ 1100-V2 (1)	2017	5,500	Satisfactory	KVK, Gaya
HP Scanner 200 Flatbed (1)	2017	4,200	Satisfactory	KVK, Gaya
JIO Router Wifi (1)	2017	2,100	Satisfactory	KVK, Gaya
Exide Tubler Battery Invatall 1500 (1)	2017	15,000	Satisfactory	KVK, Gaya
Honey Well Usha Cooler (5)	2017	61,000	Satisfactory	KVK, Gaya
Sewing Machine(9)	2017	49,900	Satisfactory	KVK, Gaya
Battery XP-800 (1)	2017	5300	Satisfactory	KVK, Gaya
Exide Battery IT500(150Ah) (02)	2017	24400	Satisfactory	KVK, Gaya
Mantra NFS 100 Bio-metric Fingerprint USB (1)	2017	5000	Satisfactory	KVK, Gaya
Table Top (1)	2017	5120	Satisfactory	KVK, Gaya
Pen Stand (1)	2017	832	Satisfactory	KVK, Gaya
Calculator (Casio) (1)	2017	470	Satisfactory	KVK, Gaya
Helmet JADE 21171 (1)	2017	980	Satisfactory	KVK, Gaya
Hero Box 21171 (1)	2017	780	Satisfactory	KVK, Gaya
Wall Watch AO1877 (G) (1)	2017	890	Satisfactory	KVK, Gaya
Wall Watch AO1477 SS(G) (1)	2017	551	Satisfactory	KVK, Gaya
Soil Testing Kit (02)	2018	109536	Satisfactory	KVK, Gaya
Hitachi AC Model RSB318IBEA (02)	2018	90000	Satisfactory	KVK, Gaya
V.Guard Stabilizer Model VWR400 (02)	2018	8000	Satisfactory	KVK, Gaya
4 Drawer Filing Cabinet (02)	2018	37986	Satisfactory	KVK, Gaya
Storewell Minor P. Cain (01)	2018	16240	Satisfactory	KVK, Gaya
b. Farm machinery				
Happy Seeder	2019	-	Satisfactory	Bihar Govt.
c. AV Aids				

D) Farm implements

Name of equipment	Year of purchase	Cost (Rs.)	Present status	Source of fund
Disc Harrow	2006		Working	
MB plough	2006		Working	
Hydraulics trailer	2006		Working	
Tiller/cultivator	2006		Working	
Cage wheel	2006		Working	
Leveler	2006		Working	
Zero Till Machine	2011		Working	
Pump Set	2008		Stolen FIR Reported	
Conoweeder	2009		Working	
Tube well 5H.P Kiloshker	2008		Working	
weight Machine	2011		Working	
Zero tillage	2011		Working	
Rotavator	2011		Working	
Reaper	2011		Working	
Seed processing unit	2011		Working	
Lazer land leveler	2012	376000	Working	
Power Thresher	2014		Working	
Rotavator	2014		Working	
Power Reaper	2014		Working	
Gator Sprayer	2017	3800	Working	
Iron Jharni 152 kg	2017	11400	Working	
Iron Pankhi Stand 16 kg	2017	1200	Working	

1.8. Details SAC meeting* conducted in the year

Sl.No.	Date	Number of Participants	Salient Recommendations	Action taken	If not conducted, state reason
1.	05-09-2018	65	1. ICAR song should be played	Will be played	
			2. SAC meeting should be organized on scheduled time	Will be organized on time	
			3. Data should be given in ATR	Data being given in ATR	
			4. Farmer should be intimated about the training given during Kisan Chaupal	Farmers are being intimated about the training given during Kisan Chaupal	
			5. Progress report of KKA should be added separately	Progress report of KKA will be added separately	
			6. Selected OFT should be such that it is easily acceptable to the general farmers. OFT of Extension Education and Animal Science should be re-designed.	OFTs selected are such that it is easily acceptable to the general farmers. OFT of Ext. Edn. & Ani. Sci. has been re-designed.	
			7. Farmers need to be awared about SMART agriculture	Farmers being awared about SMART agriculture	
			8. Such radiants should be used which are easily available to the farmers in the market	Such radiants being used	
			9. Exposure visit should be made of farmers to the field of Sri Ramsevak Prasad, Dobhi, Gaya with the help of ATMA, Gaya	Farmers were sent on exposure visit with the help of ATMA.	

** Salient recommendation of SAC in bullet form*
Attach a copy of SAC proceedings along with list of participants
Note: Proceeding of SAC meeting as Anexure-1

List of Participants

1. Hon'ble Asstt. DoEE, BAU, Sabour, Bhagalpur Chairman
2. Joint Director Agriculture, Magadh Pramandal, Gaya
3. Asstt. Director Agriculture, Magadh Pramandal, Gaya
4. Dr. S. B. Singh, Chief Scientist-cum-Univ. Prof., In-Charge Head, KVK, Gaya
5. District Agriculture Officer, Gaya
6. Project Director, ATMA, Gaya
7. Senior Scientist And Head, KVK, Arwal
8. Manager, Zila Agrani Bank, Gaya
9. Manager, NABARD, Gaya
10. DAHO, Gaya
11. Sri Shivanand Pd. Singh, Agri. Scientist, Burma, Gurua, Gaya
12. Sri Sudhir Kumar Singh, Key Worker, PRAN, Gaya
13. Sri Chandra Bhushan Singh, Progressive Farmer, Mahmadpur, Tekari, Gaya SAC Member
14. Sri Birendra Singh,Progressive Farmer, Tetariya, Gaya SAC Member
15. Sri Ramsewak Prasad(Kisan Ratna), Progressive Farmer, Dobhi, Gaya
16. Sri Vinod Kumar Singh, Progressive Farmer, Nawada, Sherghati, Gaya
17. Sri Ramesh Singh, Progressive Farmer, Ghareya, Wazirganj, Gaya
18. Sri Balwant Kumar Singh, Progressive Farmer, Bairka, Atri, Gaya
19. Sri Aswini Kumar, JEEVIKA, Gaya
20. Sri Bhim Kumar, JEEVIKA, Gaya
21. Sri Suryadeo Mehta, Progressive Farmer, Punawa,Wazirganj, Gaya
22. Sri Ashok Kumar, Progressive Farmer, Gaya
23. Sri Rakesh Kumar, Progressive Farmer, Guraru, Gaya
24. Sri Badri Prasad, Progressive Farmer, Guraru, Gaya
25. Sri Sanjay Kumar, Progressive Farmer, Baradih, Gaya
26. Sri Mahesh Prasad, Progressive Farmer, Barachatti, Gaya
27. Sri Brajesh Singh, Progressive Farmer, Bela, Barachatti, Gaya
28. Md. Sahjad, Progressive Farmer, Gaya
29. Sri Ramdeep Singh, Progressive Farmer, Ranibigha, Konch, Gaya
30. Bhai Gulab Yadav, Progressive Farmer, Gaura, Gaya
31. Sri Abhishek Kumar Sharma, Progressive Farmer, Nanauk, Manpur, Gaya
32. Sri Sanjeev Kumar, Progressive Farmer, Gaya
33. Sri Priyanshu Kumar, Progressive Farmer, Gaya
34. Sri Ajay Singh, Press Reporter, Dainik Bhaskar, Gaya
35. Sri Uday Shankar Prasad, Press Reporter, Prabhat Khabar, Gaya
36. Sri Arvind Kumar Singh, Progressive Farmer, Paraiya, Gaya
37. Sri Vivek Kumar, Progressive Farmer, Gaya
38. Sri Ramashish Singh, Progressive Farmer, Gaya
39. Sri Kapil Kumar, Progressive Farmer, Gaya
40. Sri Ram Babu, Progressive Farmer, Gaya
41. Sri Pradeep Anand, Progressive Farmer, Gaya
42. Sri Vinod Kumar, Progressive Farmer, Gaya
43. Sri Sacchu Bhagat, Progressive Farmer, Gaya
44. Sri Om Prakash Kumar, Progressive Farmer, Mastalipur, Gaya
45. Sri Aklesh Kumar, Progressive Farmer, Mastalipur, Gaya

46. Sri Pradumn Kumar, Progressive Farmer, Mastalipur, Gaya
47. Sri Laljit Kumar, Progressive Farmer, Mastalipur, Gaya
48. Smt. Manju Devi, Progressive Farmer, Mastalipur, Gaya
49. Smt. Annapurna Devi, Progressive Farmer, Mastalipur, Gaya
50. Smt. Anita Devi, Progressive Farmer, Mastalipur, Gaya
51. Smt. Munni Devi, Progressive Farmer, Mastalipur, Gaya
52. Smt. Urmila Devi, Progressive Farmer, Mastalipur, Gaya
53. Smt. Sangeeta Devi, Progressive Farmer, Mastalipur, Gaya
54. Smt. Urmila Devi, Progressive Farmer, Mastalipur, Gaya
55. Sri Tuntun Manjhi, Progressive Farmer, Sondhi, Gaya
56. Smt. Indu Devi, Progressive Farmer, Mastalipur, Gaya
57. Dr. Ashok Kumar, SMS (Ext. Edu.), KVK, Gaya
58. Dr. Govind Kumar, SMS (Agronomy), KVK, Gaya
59. Dr. Anil Kumar Ravi, SMS (Ani. Sci.), KVK, Gaya
60. Sri Mukesh Kumar, Farm Manager, KVK, Gaya
61. Smt. Neha, Prog. Asstt. (Lab. Tech.), KVK, Gaya
62. Sri Prem Kumar Thakur, Assistant, KVK, Gaya
63. Dr. Ved Prakash, Prog. Asstt. (Computer), KVK, Gaya
64. Sri Patwardhan Kumar, Stenographer, KVK, Gaya
65. Sri Rohit Kumar, Driver, KVK, Gaya

    and all other progressive farmers.

2.a. District level data on agriculture, livestock and farming situation (2019)

Sl. no.	Item	Information
1	Major Farming system/enterprise	
2	Agro-climatic Zone	
3	Agro ecological situation	
4	Soil type	
5	Productivity of major 2-3 crops under cereals, pulses, oilseeds, vegetables, fruits and others	
6	Mean yearly temperature, rainfall, humidity of the district	
7	Production of major livestock products like milk, egg, meat etc.	

Note: Please give recent data only

2.a. 1 Major farming systems/enterprises (based on the analysis made by the KVK)

S. N.	Farming system/enterprise
1.	Paddy - Wheat – Moong
2.	Paddy – Lentil – Fallow
3.	Paddy – Rai – Moong
4.	Paddy – Sugarcane
5.	Paddy – Potato - Vegetable
6.	Maize – Potato – Vegetable
7.	Dairy, Poultry, Bee keeping and Fishery are important enterprises adopted by selective farmers.

2.a. 2 Description of Agro-climatic Zone (based on soil and topography)

S. N.	Agro-climatic Zone	Characteristics
1.	Zone – IIIB	Climate is subtropical having average annual rainfall 944 mm. June is the hottest month when temperature goes up to 49^0C while December is the coldest month when temperature goes down to 2^0C. Average Relative Humidity is 66%

2.a. 3 Description of major agro ecological situations (based on soil and topography)

S. N.	Agro ecological situation	Characteristics
1.	Irrigated Plain (Sandy-loam to loam soil)	The geographical area of the district is 493774 ha. Out of which Cultivable land is 198123 ha, comprising upland (49765 ha) medium land (110874ha) and low land (37484 ha). Major crop is paddy followed by wheat & vegetables. Among oil seeds & pulses rai, linseed, lentil, gram and red gram are important crops.
2.	Rainfed Plain (Sandy Loam, Light to heavy texture Soil)	
3.	Hilly Upland (Rainfed, Undulating topography)	

2.a. 4 Soil type

S. N.	Soil type	Characteristics
1.	Sandy Loam	Admixture of sand & Clay, predominantly sandy, found alongside the river beds.
2.	Loamy soil	Found near the hills and formed by rains washings from higher area.
3.	Sandy soil	Locally known as balui, found near the bank of the river.
4.	Kewal Soil (Black)	It is a mixture of clay and loam and is very productive acidic in nature.
5.	Foot hill Balthar Soil (Red)	It is in between the plain and dissected plateau. It is acidic in nature.

2.a.5 Area, Production and Productivity of major crops cultivated in the district

S. N.	Crop	Area (ha)	Production (Kg)	Productivity (Kg /ha)
Kharif				
1.	Paddy	190955	640153	3352
2.	Maize	6763	6270	927
3.	Marua	308	233	756
4.	Arhar	4386	3874	883
5.	Urad	1438	803	558
6.	Moong	3223	1713	531
7.	Kulthi	78	44	564
8.	Groundnut	892	629	705
9.	Til	956	529	55.3
10.	Castor	89	43	483
11.	Sunflower	86	50	581
Rabi				
1.	Wheat	82729	142956	1728
2.	Maize	2418	4531	1874
3.	Barley	2328	1136	488
4.	Gram	34823	17237	495
5.	Lentil	20686	6247	302
6.	Pea	3045	1248	410
7.	Other Pulses			
8.	Linseed	7071	3924	555
9.	Rai/Sarson	12942	9344	722
10.	Sunflower	161	94	582

2.a.6 Weather data

Month	Rainfall (mm)	Temperature ^{0} C		Relative Humidity (%)
		Maximum	Minimum	
Jan. 19	8.2	14.12	8.02	79.52
Feb. 19	14.8	20.34	17.23	64.34
Mar. 19	4.9	25.98	18.86	41.85
Apr. 19	4.5	34.32	31.19	41.52
May 19	14.3	42.58	32.46	45.75
June 19	51.1	47.01	32.89	57.10
July 19	230.4	43.25	28.16	86.99
Aug. 19	214.4	39.02	28.92	86.02
Sep. 19	359.5	41.24	29.14	84.42
Oct. 19	29.6	32.76	26.67	84.37
Nov. 19	0.0	28.70	18.59	67.64
Dec. 19	11.8	22.77	5.68	67.70

2.a.7 Production and productivity of livestock, poultry, fisheries etc. in the district

Category	Population	Production	Productivity
Cattle			
Crossbred	10027		
Indigenous	293436		
Buffalo	254729		
Sheep	18145		
Crossbred			
Indigenous			
Goats	445546		
Pigs	122914		
Crossbred			
Indigenous			
Rabbits			
Poultry	892833		
Hen			

Desi			
Improved			
Duck			
Turkey and others			
Category	**Area**	**Production**	**Productivity**
Fish			
Marine			
Inland			
Prawn			
Scampi			
Shrimp			

2.b. Details of operational area / villages (2019)

Sl. No.	Name of Taluk	Name of the block	Name of the villages	Major crops & enterprises	Major problems identified (crop-wise)	Identified Thrust Areas
1.		Manpur	Saraiya	Paddy, Wheat, Vegetable, flower, Goatry, poultry	Use of non-recommended Pesticide, Use of traditional varieties	High incidence of insect pest
2.		Tekari	Mahmadpur	Paddy, Wheat, lentil, Rai, sugarcane, Potato	Lack of irrigation facilityUse of non-recommended Pesticide, Use of traditional varieties	-do-
3.		Tankuppa	Barseema	Paddy, Wheat, Potato, Vegetables, Mushroom, Poultry, Dairy	-Use of non-recommended Pesticide, Use of traditional varieties	-do-

2. c. Details of village adoption programme:

Name of the villages adopted by PC and SMS (2019) for its development and action plan

Name of village	Block	Action taken for development
Barseema (Extension Education)	Tankuppa	FLD, OFT, Training, CFLD, Field days, Chaupal
Mahmadpur (Agronomy)	Tekari	FLD, OFT, Training, CFLD, Field days, Chaupal
Saraiya (Animal Science)	Manpur	FLD, OFT, Training, CFLD, Field days, Chaupal

2.1 Priority thrust areas

S. No	Thrust area
1.	Introduction and popularization of improved varieties of cereals, pulses and oil seed crops.
2.	Seed production of cereals, oil seed & horticultural crops.
3.	To popularize improved cultivation techniques of different horticultural crops.
4.	Integrated nutrient management (INM) and pest management (IPM)
5.	Income and employment generation through Goatry, poultry, vermi-compost, dairy, beekeeping, mushroom cultivation & preservation of fruits & vegetable.
6.	Improvement of milch cattle through hybridization and proper care.

3. TECHNICAL ACHIEVEMENTS

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

OFT												FLD										
No. of technologies tested:												No. of technologies demonstrated:										
Number of OFTs		Number of farmers										Number of FLDs		Number of farmers								
Target	Achievement	Target	Achievement									Target	Achievement	Target	Achievement							
			SC		ST		Others		Total						SC		ST		Others		Total		
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
8	8	100	18	9	0	0	63	36	81	45	126	6	6	250	69	105	0	0	120	43	189	148	337

Training											Extension activities										
Number of Courses		Number of Participants									Number of activities		Number of participants								
Target	Achievement	Target	Achievement								Target	Achievement	Target	Achievement							
			SC		ST		Others		Total					SC		ST		Others		Total	
			M	F	M	F	M	F	M	F	T				M	F	M	F	M	F	M	F	T
80	91	80	462	344	0	0	1485	266	1947	610	2557	100	154	20000	2360	661	0	0	15965	4034	18325	4695	23020

Impact of capacity building											Impact of Extension activities										
Number of Participants trained		Number of Trainees got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)									Number of Participants attended		Number of participants got employment (self/ wage/ entrepreneur/ engaged as skilled manpower)								
Target	Achievement	SC		ST		Others		Total			Target	Achievement	SC		ST		Others		Total		
		M	F	M	F	M	F	M	F	T			M	F	M	F	M	F	M	F	T
50	80	10	2	0	0	65	3	75	5	80	150	180	61	5	0	0	102	12	163	17	180

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
200	211.32	0	0

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
30	32	0.000100	0.000120

* Give no. only in case of fish fingerlings

Publication by KVKs							
Item	Number	No. circulated	No. of Research papers in NAAS rated Journals	Highest NAAS rating of any publication	Average NAAS rating of the publications	Details of awarded publication, if any	Details of Award given to the publication
Research paper	2		2	5.38	5.38		
Seminar/conference / symposia papers	3						
Books							
Bulletins	2	2000					
News letter	2	2000					
Popular Articles	7	1000					
Book Chapter							
Extension Pamphlets/ literature	5	5000					
Technical reports	5						
Electronic Publication (CD/DVD etc)	1						
TOTAL	27	10000					

1 Achievements on technologies assessed and refined

OFT-1

1.	Title of On farm Trial	Assess the Chickpea for enhancing the profitability
2.	Problem diagnosed	Low profitability
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	1. TO-I: PG 186 2. TO-II: Sabour Chana-1 3. TO-III: BGM 547
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour
5.	Production system and thematic area	ICM
6.	Performance of the Technology with performance indicators	1. Yield 2. Economics
7.	Final recommendation for micro level situation	Sabour Chana – 1 is suitable for Gaya district
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training and field-day

Thematic area: ICM

Problem definition: Low profitability

Technology assessed:

1. TO-I: PG 186
2. TO-II: Sabour Chana-1
3. TO-III: BGM 547

Table:

Technology option	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
TO-I	12.6	25290	50400	25110	1.99
TO-II	15.8	25140	63200	38060	2.51
TO-III	13.9	25320	55600	30280	2.19

Results: The result shows that the treatment TO-II (Sabour Chana – 1) gives the highest yield & net return.

OFT- 2

1.	Title of On farm Trial	Assess the fertilizer dose in short duration paddy
2.	Problem diagnosed	Injudicious use of fertilizers
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO-I: Current recommended dose of fertilizer (80:40:20Kg, N:P_2O_5:K_2O per ha) TO-II: Proposed dose of fertilizer (100:45:30Kg, N: P_2O_5: K_2O per ha) TO-III: Farmers practice (120:20:10::N:P_2O_5:K_2O)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour
5.	Production system and thematic area	ICM
6.	Performance of the Technology with performance indicators	Yield and yield attributes
7.	Final recommendation for micro level situation	Technology option II (100:45:30Kg, N: P_2O_5: K_2O per ha) is recommended for short duration paddy
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	Training and field-day

Thematic area: ICM

Problem definition: Injudicious use of fertilizers

Technology assessed:

TO-I: Current recommended dose of fertilizer (80:40:20Kg, N: P_2O_5: K_2O per ha)

TO-II: Proposed dose of fertilizer (100:45:30Kg, N: P_2O_5: K_2O per ha)

TO-III: Farmers practice (120:20:10: N:P_2O_5:K_2O)

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tillers/m^2	No. of grains per panicle	Test wt. (1000 grain wt.)						
TO-I	7	206.4	39.0	21.6	15	39.4	40600	70920	30320	1.74
TO-II	7	238.9	42.0	22.5	11	42.6	39220	76680	37460	1.95
TO-III	7	192.6	36.0	20.9	20	38.2	42190	68760	26570	1.62

Results: The result shows that the treatment TO-II: Proposed dose of fertilizer (100:45:30Kg, N: P_2O_5: K_2O per ha) gives the high yield, net return and B:C ratio.

OFT-3

1.	Title of On farm Trial	Performance of different wheat sowing methods under late sown irrigated condition
2.	Problem diagnosed	Low yield of wheat under late sown irrigated condition due to lack of available irrigation water
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	Farmers practice: Sowing wheat seed after 3-4 ploughing with one deep ploughing TO-I: Sowing wheat seed with zero tillage TO-II: Sowing wheat seed with two light cross - ploughing
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	BAU, Sabour
5.	Production system and thematic area	Crop production under moisture stress condition
6.	Performance of the Technology with performance indicators	i) No. Of grain/earhead ii) Test wt. (g) iii) Grain yield (q/ha) i) BC ratio
7.	Final recommendation for micro level situation	Among all the technologies TO_2 (sowing wheat seed with two light ploughing) should be popularized among the farmers.
8.	Constraints identified and feedback for research	There is scarcity of irrigation water & lack of availability of heat tolerant wheat variety. These move heat tolerant varieties should be tested in this district.
9.	Process of farmers participation and their reaction	Farmers were satisfied with the technology and are ready to adopt it.

Thematic area: Crop production

Problem definition: Low yield of wheat due to insufficient irrigation water available for wheat sown under late sown irrigated condition

Technology assessed:

Farmers practice: Sowing seed with 3-4 ploughing with one deep ploughing
TO-I: Sowing seed with Zero Tillage machine
TO-II: Sowing seed with two light cross – ploughing

Table:

Technology option	No. of trials	Yield component			Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of tillers/m^2	No. of earhead/m^2	Test wt. (1000 grain wt.)					
FP	10	285.9	277.7	38.3	33.56	28960	62925	33965	2.20
TO_1		299.5	278.3	38.2	34.26	26255	64238	37983	2.45
TO_2		371.3	280.2	38.3	36.15	26900	67781	40881	2.52

Results: The table reveals that TO2 (Sowing seed with two light cross ploughing) gave the highest yield of 36.15 qtl/ha with highest BC ratio of 2.52.

OFT-4

1.	Title of On farm Trial	Assessment of different cropping system in Gaya district
2.	Problem diagnosed	Low profitability of Rice-Wheat cropping system
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 – Rice-Wheat-Fallow (Farmer Practice) TO_2 –Rice-Wheat-Green gram TO_3 –Rice-Mustard-Green gram
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	ICAR-RCER, Patna
5.	Production system and thematic area	Cropping system
6.	Performance of the Technology with performance indicators	i) Yield attributes ii) Net return (LER) iii) B:C ratio iv) Land equivalent ratio
7.	Final recommendation for micro level situation	Ongoing
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area: Cropping system

Problem definition: Low profitability of Rice-Wheat cropping system

Technology assessed:

TO_1 – Rice-Wheat-Fallow (Farmer Practice)
TO_2 –Rice-Wheat-Green gram
TO_3 –Rice-Mustard-Green gram

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						

Results: Ongoing

OFT-5

1.	Title of On farm Trial	Impact assessment of demonstration among different categories of farmers
2.	Problem diagnosed	Low level of adoption of recommended package of practices of wheat resulting in its low yield
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	FP : Existing local variety TO_1: Improved variety given to marginal farmers. TO_2: Improved variety given to small farmers. TO_3: Improved variety given to medium & large farmers.
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	DRPCAU, Pusa & BAU Sabour
5.	Production system and thematic area	Crop production
6.	Performance of the Technology with performance indicators	iv) Level of knowledge v) Level of adoption vi) Yield (qt/ha) vii) BCR
7.	Final recommendation for micro level situation	
8.	Constraints identified and feedback for research	
9.	Process of farmers participation and their reaction	

Thematic area:

Problem definition:

Technology assessed:

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						

Results:

OFT-6

1.	Title of On farm Trial	Effect of feeding urea molasses multi nutrient block to the dairy animals
2.	Problem diagnosed	Low milk production due to nutrient deficiency in cattle
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	1. Farmers practice (FP) use of concentrate @200 g/lit. Milk 2. TO-I: FP + Mineral mixture @ 50g/d/animal 3. TO-II: FP + UMMB @ 400g/d/animal
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	IVRI, Izatnagar, Bareily
5.	Production system and thematic area	Feed Management
6.	Performance of the Technology with performance indicators	i) Average milk yield/day ii) Cost of milk production iii) Gross return iv) Net return v) BCR
7.	Final recommendation for micro level situation	UMMB is very useful during scarcity of green fodder and helps in improving milk productivity of cattle
8.	Constraints identified and feedback for research	Non-descript breed and poor management
9.	Process of farmers participation and their reaction	Farmers accepted that UMMB block is beneficial for them specially during scarcity of green fodder

Thematic area: Feed Management

Problem definition: Low milk production due to nutrient deficiency in cattle

Technology assessed:

1 Farmers practice (FP) –concentrate @200g/lit. Milk
2 TO-I: FP + Mineral mixture @ 50g/d/animal
3 TO-II: FP + UMMB @ 400g/d/animal

Table:

Technology option	Milk production	Cost of production	Gross return	Net return	BCR
FP	5.84	5900	12259	6395	2.08
TO I	6.71	6380	14091	7711	2.20
TO II	6.95	6420	14595	8175	2.27

Results: Result of this trial show that average milk production in Technology Option II is highest i.e., 6.95 kg/day/animal and BC Ratio of Technology Option II is higher the Technology Option I.

OFT-7

1.	Title of On farm Trial	Effect of herbal drug and micro-minerals supplement in post partum anestrus in cattle
2.	Problem diagnosed	Anestrus in cattle
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	1. Farmers practice (FP) Feeding with germinated wheat 2. TO-I: Use of herbal drug (Uterotone) @ 2 capsule/day for 4 days and repeat after 10 days + deworming 3. TO-II: Use of micro-minerals for 28 days + deworming
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	MAPSU, Maharastra
5.	Production system and thematic area	Disease management
6.	Performance of the Technology with performance indicators	i) No. of animal came in heat ii) Conception rate iii) Nature of discharge
7.	Final recommendation for micro level situation	Use of micro-minerals in anestrus cattle is more beneficial
8.	Constraints identified and feedback for research	Farmers were not giving balanced ration to cattle
9.	Process of farmers participation and their reaction	Farmers were accepted to use this technology for more profit

Thematic area: Disease management

Problem definition: Anestrus in cattle

Technology assessed:

1. Farmers practice (FP) Feeding with germinated wheat
2. TO-I: Use of herbal drug (Uterotone) @ 2 capsule/day for 4 days and repeat after 10 days + deworming
3. TO-II: Use of micro-minerals for 28 days + deworming

Table:

Technology option	No. of Animal	Animal came in heat	Conception rate	Nature of discharge
Farmers Practice	10	3	2	Clear
Technology Option 1	10	6	4	Clear
Technology Option 2	10	7	5	Clear

Results: Use of micro-minerals in anestrus cattle is more beneficial in terms of heat and conception rate.

OFT-8

1.	Title of On farm Trial	To access the water soluble fertilizer NPK(18:18:18) for increasing productivity of lentil under rainfed condition of South Bihar.
2.	Problem diagnosed	Low income due to poor yield in lentil.
3.	Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)	TO_1 – Farmer Practice (Use of 20:40:0Kg NPK/ha & No use of WSF) TO_2 – Basal application of 20:40:0kgNPK/ha +one spray of WSF NPK (18:18:18/ha) at 40DAS (1% NPK solution spray at 40DAS) TO_3 – Basal application of 20:40:0kgNPK/ha +Two split spray of WSF NPK(18:18:18/ha) at 40&60DAS (1% NPK solution spray with equal splitting at 40 & 60 DAS)
4.	Source of Technology (ICAR/ AICRP/SAU/other, please specify)	NDUA&T , Ayodhya
5.	Production system and thematic area	INM
6.	Performance of the Technology with performance indicators	Yield Attributing Characters, Yield (T/ha), Cost of cultivation (Rs/ha), Net Income (Rs/ha), B:C Ratio.
7.	Final recommendation for micro level situation	Crop standing
8.	Constraints identified and feedback for research	-
9.	Process of farmers participation and their reaction	Field visit and interest of farmers.

Thematic area: INM

Problem definition: Low income due to poor yield in lentil.

Technology assessed:

TO_1 – Farmer Practice (Use of 20:40:0Kg NPK/ha & No use of WSF)
TO_2 – Basal application of 20:40:0kgNPK/ha +one spray of WSF NPK (18:18:18/ha) at 40DAS (1% NPK solution spray at 40DAS)
TO_3 – Basal application of 20:40:0kgNPK/ha +Two split spray of WSF NPK(18:18:18/ha) at 40&60DAS (1% NPK solution spray with equal splitting at 40 & 60 DAS)

Table:

Technology option	No. of trials	Yield component			Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
		No. of effective tillers/hill	No. of spikelet per panicle	Test wt. (100 grain wt.)						
	5									

Results:

3.2 Achievements of Frontline Demonstrations

A. Details of FLDs conducted during the year

Cereals

Sl. No.	Crop	Thematic area	Technology Demonstrated with detailed treatments	Area (ha)		No. of farmers/ demonstration									Reasons for shortfall in achievement
				Proposed	Actual	SC		ST		Others		Total			
						M	F	M	F	M	F	M	F	T	
1.	Wheat	ICM	Var.- DBW 14	4.0	4.0	4	0	0	0	12	0	16	0	16	
2.	Paddy	ICM	Var. – Sahbhagi	10.0	10.0	7	1	0	0	12	0	19	1	20	
3.	Wheat	ICM	Var. – S. Nirjal	4.0	4.0	2	0	0	0	14	0	16	0	16	

Details of farming situation

Crop	Season	Farming situation (RF/Irrigated)	Soil type	Status of soil (Kg/ha)			Previous crop	Sowing date	Harvest date	Seasonal rainfall (mm)	No. of rainy days
				N	P_2O_5	K_2O					
Wheat	Rabi	Irrigated	Medium Upland	197.5	19.2	288.7	Paddy	10.12.2018	16.04.0219		
Paddy	Kharif	Rainfed	Medium Upland	201.2	22.7	240.3	Wheat	25.07.2019	30.10.2019		
Wheat	Rabi 2019	Irrigated	Medium Upland	199.6	20.3	255.3	Paddy	07.12.2019	Standing		

In both the Tables, information of same crop should be provided. For example, if in Table 3.2A crops are mentioned as a,b,c,d etc., in the table for Details of farming situation, the same crop should be mentioned in the identical sequence.

Performance of FLD

Oilseeds:

Frontline demonstrations on oilseed crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Total															

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

Pulses

Frontline demonstration on pulse crops

Crop	Thematic Area	Name of the technology demonstrated	No. of Farmers	Area (ha)	Yield (q/ha)		% Increase	*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demo	Check		Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
	Total														

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

Other crops

Crop	Thematic area	Name of the technology demonstrated	No. of Farmer	Area (ha)	Yield (q/ha)		% change in yield	Other parameters		*Economics of demonstration (Rs./ha)				*Economics of check (Rs./ha)			
					Demonstration	Check		Demo	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Wheat	ICM	Var.- DBW 14	16	4.0	41.0	36.2	11.7			42650	73800	31150	1.73	43690	65160	21470	1.49
Paddy	ICM	Var. – R. Sweta	20	10.0	46.0	38.0	17.39			42720	57000	14280	1.33	42250	69000	26750	1.63
Wheat	ICM	Var.-S. Nirjal	16	10.0	Crop standing												
Drumstick	Vegetable production	Seed	188	0.8	Result awaited												
		Total															

Livestock

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Dairy																	
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (pl.specify)																	
Fodder	Fodder Production	Makhan Grass	13	13	8	7	14.2	-	-	6548	13468	6920	2.05	6742	12489	5747	1.85
Total																	

* Economics to be worked out based on total cost of production per unit area and not on critical inputs alone.

** BCR= GROSS RETURN/GROSS COST

Fisheries

Category	Thematic area	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.)				*Economics of check (Rs.)			
					Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Common carps																	
Mussels																	
Ornamental fishes																	
Others (pl.specify)																	
		Total															

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

Other enterprises

Category	Name of the technology demonstrated	No. of Farmer	No.of units	Major parameters		% change in major parameter	Other parameter		*Economics of demonstration (Rs.) or Rs./unit				*Economics of check (Rs.) or Rs./unit			
				Demonstration	Check		Demonstration	Check	Gross Cost	Gross Return	Net Return	** BCR	Gross Cost	Gross Return	Net Return	** BCR
Oyster mushroom	Enterprise development															
Button mushroom	Spawn, compost, casing material	84	250	Result awaited												
Vermicompost																
Sericulture																
Apiculture																
Others (pl.specify)																
	Total															

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

Women empowerment

Category	Name of technology	No. of demonstrations	Observations		Remarks
			Demonstration	Check	
Farm Women					
Pregnant women					
Adolescent Girl					
Other women					
Children					
Neonatal					
Infants					

Farm implements and machinery

Name of the implement	Crop	Name of the technology demonstrated	No. of Farmer	Area (ha)	Filed observation (output/man hour)		% change in major parameter	Labor reduction (man days)				Cost reduction (Rs./ha or Rs./Unit)			
					Demonstration	Check									

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

Demonstration details on crop hybrids

Crop	Name of the Hybrid	No. of farmers	Area (ha)	Yield (kg/ha) / major parameter			Economics (Rs./ha)			
Cereals				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total										
Oilseeds										
Castor										
Mustard										
Safflower										

Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										
Total										
Commercial crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1	Direct seeded rice	Direct seeding of rice reduce the production coast, increased yield and low labour intensive.
2	Use of ZTD machine in Wheat	Farmers say zero tillage technology is most profitable technologies for sowing of wheat. This technology saves water, time & labour. Farmer says this technology gives maximum return comparison to traditional method. Farmers also observed that low weed population
3	Sowing of lentil through ZTD machine	Farmers say zero tillage technology is most profitable technologies for sowing of lentil. Due to heavy rain other traditional method completely destroyed hence ZTD lentil gives 12 to 16 qt yield per ha.
4	Use of Sulphur in mustard	Farmers very happy to using sulphur in mustered because of oil content increased as well as Yield of the crop also increased.

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	15.03.19, 27.03.19, 28.03.19	3	380	
2.	Farmers Training	23.05.19, 06.06.19, 27.07.19, 05.09.19, 12.09.19, 31.10.19, 15.12.19	7	226	
3.	Media coverage	08.07.2019			
		01.09.2019			
		11.09.2019			
		17.09.2019			
		25.09.2019			
		10.10.2019			
4.	Training for extension functionaries	02.10.2019	1	35	

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif 2018 and Rabi 2019:

Crop: 1 (Oilseed)

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Mustard	Kalasona	9.20	1030	1219	1350	RNG 48 + quality seed, sulphur, herbicide, insecticide, seed treatment	50	20	15.8	8.55	12.9	11.9	32.5	46.7

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C Ratio
1.	RGN 48 + quality seed, sulphur, herbicide, insecticide, seed treatment	16160	38800	22640	2.40	18440	53600	31560	2.90

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Mustard & RGN 48	25800	Not sold	40	Hardly 5 kg	Yet not decided	To meet own family	4

D. Oilseed Farmers' perception of the intervention demonstrated

Sl. No.	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Quality seed, sulphur, herbicide, insecticide & seed treatment	Suitable	Yellow sarson mostly likely by the farmers of this district. They don't prefer brown sarson.	Affordable	- Low ground water needs frequent irrigation - Lack of irrigation facility and sowing time is mostly late	Yes it is acceptable provided irrigation facility if available	• Quality seed of yellow sarson must be ensured either from Govt. agency or private companies. • Micro-irrigation system must be promoted • Need to generate irrigation facility

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Sulphur application	Yield increased	Almost 10% increase in yield was observed in sulphur applied plots	Increase in seed yield and oil yield both by observed by farmers when sulphur was applied in the field

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1.	Field day	19.03.2019, Bela, Barachatti	45

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

H. Farmers' training photographs

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

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
Rapseed & Mustard	i) Critical input	37620.00	87373.00	(-)45573.00
	ii) TA/DA/POL etc. for monitoring	4180.00	5873.00	(-)5873.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**41800.00**	**93251.00**	**(-)51451.00**

Crop 2: Pulses

A. Technical Parameters:

Sl. No.	Crop demonstrated	Existing (Farmer's) variety name	Existing yield (q/ha)	Yield gap (Kg/ha) w.r.to			Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Yield gap minimized (%)		
				District yield (D)	State yield (S)	Potential yield (P)				Max.	Min.	Av.	D	S	P
1.	Pigeon pea	Lal Dana, Desi	11.60	1245	1667	1790	Narendra Arhar - 1 + sulphur, trichoderma, herbicide & insecticide	25	10	19.40	12.30	16.70	7.3	43.7	54.3
2.	Chickpea	Desia, Rajendra Chana	11.30	1190	1217	1880	PG 186 + Seed treatment	75	30	18.4	12.10	15.9	5.3	7.6	66.3
3.	Lentil	Desia, Tikki, PL-406	8.30	960	1147	1560	HUL 57 + Sulphur, herbicide, trichoderma, Rhizobium	100	40	15.4	9.00	12.1	15.6	38.2	88.0
4.	Greengram	Chotki moong	7.9	250	270	1230	PDM 139 + Sulphur, herbicide, trichoderma, Rhizobium	75	30	12.4	8.9	10.65	24.03	25.47	35.77
5.	Blackgram	Kala moong	5.2	150	180	220	IPU-2-43 + Sulphur, herbicide, trichoderma, Rhizobium	25	10	7.92	6.8	7.36	24.19	25.71	29.72

B. Economic parameters

Sl. No.	Variety demonstrated & Technology demonstrated	Farmer's Existing plot				Demonstration plot			
		Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio	Gross Cost (Rs/ha)	Gross return (Rs/ha)	Net Return (Rs/ha)	B:C ratio
1.	Narendra Arhar - 1 + sulphur, trichoderma, herbicide & insecticide	14670	62000	47330	4.22	18110	87500	69390	4.83
2.	PG 186 + Seed treatment	20230	57240	37010	2.83	24160	80320	56160	3.32
3.	HUL 57 + Sulphur, herbicide, trichoderma, Rhizobium	17340	41180	23840	2.37	18560	59660	41100	3.21
4.	PDM 139 + Sulphur, herbicide, trichoderma, Rhizobium	18390	39500	21110	2.14	19120	53250	34130	2.78
5.	IPU-2-43 + Sulphur, herbicide, trichoderma, Rhizobium	12600	31200	18600	2.47	12900	38000	25100	2.94

C. Socio-economic impact parameters

Sl. No.	Crop and variety Demonstrated	Total Produce Obtained (kg)	Produce sold (Kg/household)	Selling Rate (Rs/Kg)	Produce used for own sowing (Kg)	Produce distributed to other farmers (Kg)	Purpose for which income gained was utilized	Employment Generated (Mandays/house hold)
1.	Pigeonpea and Narendra Arhar-1	16700	Not sold yet	50	Not decided	Provide seed to others through seed exchange	To fulfill farm and family needs	22
2.	Chickpea and PG 186	31800	Not sold till date	48	Not decided	Not decided till date	To meet out farm and family needs	16
3.	Lentil & HUL 57	36300	Not	46	Not decided	Assured to give other farmers as seed exchange	To meet out family needs	15
4.	Greengram and PDM 139	1065	Not sold	50	100	350	Health	2
5.	Blackgram and IPU-2-43	840	210	60	40	590	Education	3

D. Pulse Farmers' perception of the intervention demonstrated

SN	Technologies demonstrated (with name)	Farmers' Perception parameters					
		Suitability to their farming system	Likings (Preference)	Affordability	Any negative effect	Is Technology acceptable to all in the group/village	Suggestions, for change/improvement, if any
1.	Sulphur, herbicide, trichoderma &insecticide	Suitable to their soil and environment condition	Farmers prefer improved varieties over their local	Yes	In advance stage of growth, crop suffered due to moisture	Yes if drainage facility is good & winter rainfall occurs one or two times	• Short duration variety is require due to low moisture regime during growth period
2.	Quality seed and seed treatment	Well suited	Farmers generally prefers late sown variety of chickpea	Yes	No winter rainfall received during crop period. Surface irrigation is not possible in heavy soil and micro-irrigation system is not popular and available till date.	Yes, if soil moisture level remains optimum during crop growth period	• Fund per hectare should be increased in this crop • Seed of late sown chickpea variety is required in this district because late harvest of paddy delays sowing time
3.	Sulphur, Herbicide, Trichoderma, Rhizobium	Well suited	Most choiced crop among rabi pulses	Affordable	Moisture deficit particularly in upland was noticed. This was also due to lack of winter shower	Yes, if soil moisture support crop during its growth period	• Fund per hectare should increase • More area should be allotted to KVK, Gaya under this crop due to liking by the farmers

4.	PDM 139 + Sulphur, herbicide, trichoderma, Rhizobium	Yes	Most choiced crop among summer pulses	Affordable	Moisture deficit particularly in upland was noticed.	Yes, if soil moisture support crop during its growth period	• Fund per hectare should be increased • More area should be allotted to KVK, Gaya under this crop due to liking by the farmers
5.	IPU-2-43 + Sulphur, herbicide, trichoderma, Rhizobium	Yes	Suitable for dry land area	Affordable	Suitable for moisture deficient condition	Yes	• Fund should released timely

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop 1 : Pigeonpea			
Use of sulphur	Enhanced seed yield	Check plot realized less yield	For enhancing yield sulhur application is essential
Use of insecticide against pod borer	Reduced infestation upto 80%	In check plots severity was more	Farmers realized to spray insecticide two times to reduce the damage from podborer
Crop 2: Chickpea			
Seed treatment	Treated plot performed better in respect of growth and yield	Untreated seed if sown in the field, plant stand was poor & less yield realized	Farmers were satisfied to see the impact of seed treatment
Crop 3: Lentil			
Herbicide	Reduced cuscutta problems	In local check plots this was observed more	Pre-emergence application of herbicide reduces all kind of weeds
Use of trichoderma	Reduced wilt infestation by 30%	In local check plots the severity was more	Soil application of trichoderma culture reduces wilt information
Crop 4: Greengram			
Herbicide	Reduced weed infestation	Yield increase approximately 8% due to weed control	Most suitable for dryland area
Use of trichoderma	Reduced wilt infestation by 30%	In local check plots the severity was more	Soil application of trichoderma culture reduces wilt information
Crop 5: Blackgram			
Herbicide	Reduced weed infestation	Yield increase approximately 10% due to weed control	Most suitable for moisture deficient area

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
Crop 1 : Pigeonpea			
1.	Field day	19.03.2019, Bela Barachatti	50
Crop 2: Chickpea			
1.	Field day	30.03.2019, Behiyain, Wazirganj	45
Crop 3: Lentil			
1.	Field day	09.03.2019, Mahmudpur, Tekari	32
Crop 4: Greengram			
1.	Field day	19.06.2019, Dhanmahua, Neemchak Bathani	53
		24.06.2019, Piyar, Atri	59
		25.06.2019, Agandha, Bela	121
Crop 5: Blackgram			
1.	Field day	23.12.2019, Nawada, Sherghati	105

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

Crop 1: Pigeonpea

Crop 2: Chickpea

Crop 3: Lentil

Crop 4: Greengram

Crop 5: Blackgram

H. Farmers' training photographs

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

Crop 1: Pigeonpea

Crop 2: Chickpea

Crop 3: Lentil

Crop 4: Greengram

J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
1. Pigeonpea	i) Critical input	81000.00	78918.00	2082.00
	ii) TA/DA/POL etc. for monitoring	9000.00	7424.00	1576.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90000.00**	**86342.00**	**3658.00**
2. Chickpea	i) Critical input	243000.00	243000.00	0.0
	ii) TA/DA/POL etc. for monitoring	27000.00	16472.00	10528.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**270000.00**	**259472.00**	**10528.00**
3. Lentil	i) Critical input	324000.00	307678.00	16322.00
	ii) TA/DA/POL etc. for monitoring	36000.00	11485.00	24515.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**360000.00**	**319163.00**	**40837.00**
4. Greengram	i) Critical input	243000.00	243000.00	0.00
	ii) TA/DA/POL etc. for monitoring	27000.00	27000.00	0.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**270000.00**	**270000.00**	**0.00**
4. Blackgram	i) Critical input	81000.00	81000.00	0.00
	ii) TA/DA/POL etc. for monitoring	9000.00	9000.00	0.00
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total	**90000.00**	**90000.00**	**0.00**

CFLD 2019-20:

CFLD Pulses:

Sl. No.	Crop	Area (ha)	No. Of Demo	Variety	Technology Demonstrated
1.	Pigeonpea	10	25	IPA-203	Biofertilizer, Herbicide, Sulphur
2.	Blackgram	10	25	IPU-2-43	Biofertilizer, Herbicide, Sulphur
3.	Chickpea	10	25	PG-186	Biofertilizer
4.	Lentil	10	25	HUL-57	Biofertilizer, Herbicide, Sulphur & micro-nutrient
5.	Fieldpea	10	25	IPFD-10-12	Biofertilizer, Herbicide, Sulphur & micro-nutrient

CFLD Oilseeds:

Sl. No.	Crop	Area (ha)	No. Of Demo	Variety	Technology Demonstrated
1.	Rapseed & mustard	150	375	R. Suflam	Herbicide, Sulphur & Insecticide

Climate Resilient Agriculture Programme (CRAP):

S.N.	Crop	Variety	Village	Area(Acre)	Technology Demonstrated
1.	Wheat	HD - 2967	Rasalpur, Nagar	80.0	Zero Tillage Wheat
2.	Wheat	HD - 2967	Rasalpur, Manpur	27.0	Zero Tillage Wheat
3.	Wheat	HD - 2967	Rupaspur, Manpur	18.0	Zero Tillage Wheat
4.	Lentil	HUL -57	Rasalpur, Nagar	15.0	Zero Tillage Lentil
5.	Lentil	HUL -57	Rupaspur, Manpur	2.0	Zero Tillage Lentil
Total				**142.0**	
6.	Wheat	HD - 2967	KVK, Manpur, Gaya	2.0	Zero Tillage Wheat
7.	Wheat	HD - 2967	KVK, Manpur, Gaya	8.0	Happy Seeder Wheat
8.	Lentil	HUL -57	KVK, Manpur, Gaya	0.4	Zero Tillage Lentil
9.	Mustard	R. Suflam	KVK, Manpur, Gaya	0.1	Zero Tillage Mustard
Total				**10.5**	

GKMS

S.N.	Programmes	No. of Course	No. of beneficiaries
1.	Farmer awareness programme	56	2975
2.	Advisories published	72	2866

CSISA – List of farmers and village awaited

BGREI – Monitoring will be started in last week of January

PKVY - Murera, Parsawan, Konch

Biotech Kisan Hub:

Sl. No.	Date	Place of training	No. Of participants
1.	04.11.19	Sondhi, Manpur	35
2.	05.11.19	KVK	14
3.	15.11.19	KVK	23
4.	01.12.19	KVK	30

Crop	Variety	Area (Acre)	No. of Village	No. of Demo
Lathyrus	Ratan & Prateek	52.0	8	52

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

A) Farmers and farm women (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	46	3	49	17	12	29	0	0	0	63	15	78
Resource Conservation Technologies	1	12	0	12	8	0	8	0	0	0	20	0	20
Cropping Systems													
Crop Diversification	3	34	1	35	14	14	28	0	0	0	48	15	63
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	5	61	5	66	10	16	26	0	0	0	71	21	92
Fodder production	1	23	0	23	0	2	2	0	0	0	23	2	25
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													
Dairy Management	1	9	6	15	0	1	1	0	0	0	9	7	16
Poultry Management	1	16	3	19	4	5	9	0	0	0	20	8	28
Piggery Management													
Rabbit Management													
Disease Management	2	29	7	36	9	7	16	0	0	0	38	14	52
Feed management	3	50	1	51	5	4	9	0	0	0	55	5	60
Production of quality animal products													
Others, if any Goat farming	2	17	18	35	8	18	26	0	0	0	25	36	61
IFS	1	11	1	12	0	0	0	0	0	0	11	1	12
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management	1	11	3	14	0	0	0	0	0	0	11	3	14
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	1	0	21	21	0	12	12	0	0	0	0	33	33
Mobilization of social capital													
Entrepreneurial development of farmers/youths	3	23	3	26	7	15	22	0	0	0	30	18	48
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
Information networking	2	40	22	62	12	4	16	0	0	0	52	26	78
TOTAL	**30**	**382**	**94**	**476**	**94**	**110**	**204**	**0**	**0**	**0**	**476**	**204**	**680**

B) Rural Youth (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	3	43	21	64	8	10	18	0	0	0	51	31	82
Bee-keeping	1	13	3	16	3	1	4	0	0	0	16	4	20
Integrated farming													
Seed production	1	21	0	21	8	0	8	0	0	0	29	0	29
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairying	1	13	5	18	1	2	3	0	0	0	14	7	21
Sheep and goat rearing	2	38	4	42	23	2	25	0	0	0	61	6	67
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	3	42	22	64	9	9	18	0	0	0	51	31	82
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
TOTAL	**11**	**170**	**55**	**225**	**52**	**24**	**76**	**0**	**0**	**0**	**222**	**79**	**301**

C) Extension Personnel (on campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	1	16	0	16	6	0	6	0	0	0	22	0	22
Value addition													
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production													
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
TOTAL	**1**	**16**	**0**	**16**	**6**	**0**	**6**	**0**	**0**	**0**	**22**	**0**	**22**

D) Farmers and farm women (off campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management													
Resource Conservation Technologies													
Cropping Systems													
Crop Diversification													
Integrated Farming													
Water management	6	116	4	120	55	22	77	0	0	0	171	26	197
Seed production													
Nursery management													
Integrated Crop Management	7	110	27	137	54	106	160	0	0	0	164	133	297
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Training and Pruning													
b) Fruits													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation techniques													
Others, if any(INM)													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													
Soil and Water Testing													
Others, if any													
IV. Livestock Production and Management													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Dairy Management	1	7	3	10	4	6	10	0	0	0	11	9	20
Poultry Management	3	62	4	66	26	5	31	0	0	0	88	9	97
Piggery Management													
Rabbit Management													
Disease Management	8	121	14	135	41	7	48	0	0	0	162	21	183
Feed management	3	44	2	46	16	8	24	0	0	0	60	10	70
Production of quality animal products													
Others, if any Goat farming	3	51	0	51	6	0	6	0	0	0	57	0	57
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													
Post Harvest Technology													
Others, if any													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management	2	42	4	46	26	14	40	0	0	0	68	18	86
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													
Others, if any													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	3	45	0	45	7	0	7	0	0	0	52	0	52
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	10	190	55	245	30	33	63	0	0	0	220	88	308
WTO and IPR issues													
Others, if any													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
Information networking	3	37	0	37	6	0	6	0	0	0	43	0	43
TOTAL	**49**	**825**	**113**	**938**	**271**	**201**	**472**	**0**	**0**	**0**	**1096**	**314**	**1410**

E) RURAL YOUTH (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production													
Bee-keeping													
Integrated farming													
Seed production													
Production of organic inputs													
Integrated Farming													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													
Production of quality animal products													
Dairying													
Sheep and goat rearing													
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Others, if any													
TOTAL													

F) Extension Personnel (Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	2	134	13	147	48	3	51	0	0	0	182	16	198
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	0	13	13	0	15	15	0	0	0	0	28	28
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
TOTAL	**3**	**134**	**26**	**160**	**48**	**18**	**66**	**0**	**0**	**0**	**182**	**44**	**226**

G) Consolidated table (ON and OFF Campus)

i. Farmers & Farm Women

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
I. Crop Production													
Weed Management	3	46	3	49	17	12	29	0	0	0	63	15	78
Resource Conservation Technologies	1	12	0	12	8	0	8	0	0	0	20	0	20
Cropping Systems													
Crop Diversification	3	34	1	35	14	14	28	0	0	0	48	15	63
Integrated Farming													
Water management	6	116	4	120	55	22	77	0	0	0	171	26	197
Seed production													
Nursery management													
Integrated Crop Management	12	171	32	203	64	122	186	0	0	0	235	154	389
Fodder production	1	23	0	23	0	2	2	0	0	0	23	2	25
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management													
Water management													
Enterprise development													
Skill development													
Yield increment													
Production of low volume and high value crops													
Off-season vegetables													
Nursery raising													
Exotic vegetables like Broccoli													
Export potential vegetables													
Grading and standardization													
Protective cultivation (Green Houses, Shade Net etc.)													
Others, if any (Cultivation of Vegetable)													
TOTAL													
b) Fruits													
Training and Pruning													
Layout and Management of Orchards													
Cultivation of Fruit													
Management of young plants/orchards													
Rejuvenation of old orchards													
Export potential fruits													
Micro irrigation systems of orchards													
Plant propagation													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
techniques													
Others, if any(INM)													
TOTAL													
c) Ornamental Plants													
Nursery Management													
Management of potted plants													
Export potential of ornamental plants													
Propagation techniques of Ornamental Plants													
Others, if any													
TOTAL													
d) Plantation crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
e) Tuber crops													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
f) Spices													
Production and Management technology													
Processing and value addition													
Others, if any													
TOTAL													
g) Medicinal and Aromatic Plants													
Nursery management													
Production and management technology													
Post harvest technology and value addition													
Others, if any													
TOTAL													
III. Soil Health and Fertility Management													
Soil fertility management													
Soil and Water Conservation													
Integrated Nutrient Management													
Production and use of organic inputs													
Management of Problematic soils													
Micro nutrient deficiency in crops													
Nutrient Use Efficiency													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Soil and Water Testing													
Others, if any													
TOTAL													
IV. Livestock Production and Management													
Dairy Management	2	16	9	25	4	7	11	0	0	0	20	16	36
Poultry Management	4	78	7	85	30	10	40	0	0	0	108	17	125
Piggery Management													
Rabbit Management													
Disease Management	10	150	21	171	50	14	64	0	0	0	200	35	235
Feed management	6	94	3	97	21	12	33	0	0	0	115	15	130
Production of quality animal products													
Others, if any (Goat farming)	5	68	18	86	14	18	32	0	0	0	82	36	118
IFS	1	11	1	12	0	0	0	0	0	0	11	1	12
TOTAL													
V. Home Science/Women empowerment													
Household food security by kitchen gardening and nutrition gardening													
Design and development of low/minimum cost diet													
Designing and development for high nutrient efficiency diet													
Minimization of nutrient loss in processing													
Gender mainstreaming through SHGs													
Storage loss minimization techniques													
Enterprise development													
Value addition													
Income generation activities for empowerment of rural Women													
Location specific drudgery reduction technologies													
Rural Crafts													
Capacity building													
Women and child care													
Others, if any													
TOTAL													
VI.Agril. Engineering													
Installation and maintenance of micro irrigation systems													
Use of Plastics in farming practices													
Production of small tools and implements													
Repair and maintenance of farm machinery and implements													
Small scale processing and value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Post Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management													
Integrated Disease Management	3	53	7	60	26	14	40	0	0	0	79	21	100
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL													
VIII. Fisheries													
Integrated fish farming													
Carp breeding and hatchery management													
Carp fry and fingerling rearing													
Composite fish culture & fish disease													
Fish feed preparation & its application to fish pond, like nursery, rearing & stocking pond													
Hatchery management and culture of freshwater prawn													
Breeding and culture of ornamental fishes													
Portable plastic carp hatchery													
Pen culture of fish and prawn													
Shrimp farming													
Edible oyster farming													
Pearl culture													
Fish processing and value addition													
Others, if any													
TOTAL													
IX. Production of Inputs at site													
Seed Production													
Planting material production													
Bio-agents production													
Bio-pesticides production													
Bio-fertilizer production													
Vermi-compost production													
Organic manures production													
Production of fry and fingerlings													
Production of Bee-colonies and wax sheets													
Small tools and implements													
Production of livestock feed and fodder													
Production of Fish feed													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Others, if any													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics	3	45	0	45	7	0	7	0	0	0	52	0	52
Formation and Management of SHGs	1	0	21	21	0	12	12	0	0	0	0	33	33
Mobilization of social capital													
Entrepreneurial development of farmers/youths	13	213	58	271	37	48	85	0	0	0	250	106	356
WTO and IPR issues													
Others, if any													
Information networking	5	77	22	99	18	4	22	0	0	0	95	26	121
TOTAL													
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**79**	**1207**	**207**	**1414**	**365**	**311**	**676**	**0**	**0**	**0**	**1572**	**518**	**2090**

ii. RURAL YOUTH (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Mushroom Production	3	43	21	64	8	10	18	0	0	0	51	31	82
Bee-keeping	1	13	3	16	3	1	4	0	0	0	16	4	20
Integrated farming													
Seed production	1	21	0	21	8	0	8	0	0	0	29	0	29
Production of organic inputs													
Planting material production													
Vermi-culture													
Sericulture													
Protected cultivation of vegetable crops													
Commercial fruit production													
Repair and maintenance of farm machinery and implements													
Nursery Management of Horticulture crops													
Training and pruning of orchards													
Value addition													

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Production of quality animal products													
Dairying	1	13	5	18	1	2	3	0	0	0	14	7	21
Sheep and goat rearing	2	38	4	42	23	2	25	0	0	0	61	6	67
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Para vets													
Para extension workers													
Composite fish culture													
Freshwater prawn culture													
Shrimp farming													
Pearl culture													
Cold water fisheries													
Fish harvest and processing technology													
Fry and fingerling rearing													
Small scale processing													
Post Harvest Technology													
Tailoring and Stitching													
Rural Crafts													
Enterprise development													
Others if any (ICT application in agriculture)													
TOTAL	**8**	**128**	**33**	**161**	**43**	**15**	**58**	**0**	**0**	**0**	**171**	**48**	**219**

iii. Extension Personnel (On and Off Campus)

Thematic Area	No. of Courses	No. of Participants									Grand Total		
		Other			SC			ST					
		M	F	T	M	F	T	M	F	T	M	F	T
Productivity enhancement in field crops	3	150	13	163	54	3	57	0	0	0	204	16	220
Integrated Pest Management													
Integrated Nutrient management													
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization													
Information networking among farmers													
Capacity building for ICT application													
Care and maintenance of farm machinery and implements													
WTO and IPR issues													
Management in farm animals													
Livestock feed and fodder production	1	0	13	13	0	15	15	0	0	0	0	28	28
Household food security													
Women and Child care													
Low cost and nutrient efficient diet designing													
Production and use of organic inputs													
Gender mainstreaming through SHGs													
Crop intensification													
Others if any													
TOTAL	**4**	**150**	**26**	**176**	**54**	**18**	**72**	**0**	**0**	**0**	**204**	**44**	**248**

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

Discipline	Clientele	Title of the training programme	Duration in days	Venue (Off / On Campus)	Number of participants			Number of SC/ST		
					Male	Female	Total	Male	Female	Total
Agronomy										
24.01.19	IDM	Disese management in potato	1	ON	11	3	14	0	0	0
31.01.19	ICM	Irrigation management of summer crops	1	ON	13	3	16	0	0	0
13.02.19	Weed management	Weed management in rabi crops	1	ON	19	1	20	3	0	3
12.03.19	ICM	Package & practices of summer moong	1	OFF	17	73	90	11	73	84
18.03.19	ICM	Package & practices of summer moong	1	OFF	44	29	73	21	9	30
09.04.19	ICM	Package & practices of green gram	1	ON	15	0	15	3	0	3
29.04.19	ICM	Production technology of summer crops	1	ON	11	18	29	0	16	16
02.05.19	ICM	Package & practices of kharif crops	1	OFF	32	0	32	11	0	11
26.06.19	RCT	Package & practices of DSR	1	ON	20	0	20	8	0	8
18.07.19	ICM	Package & practices of Kharif crops	1	ON	21	0	21	3	0	3
15.07.19	ICM	Contingent crop production	1	OFF	21	6	27	0	0	0
25.07.19	ICM	Package & practices of Kharif crops	1	ON	11	0	11	4	0	4
07.08.19	Water Management	Water conservation in paddy	1	OFF	23	0	23	5	0	5
19.08.19	Water Management	Eradication of parthenium	1	ON	20	2	22	8	0	8
20.08.19	Weed management	Integrated weed management in paddy	1	ON	24	12	36	6	12	18
11.09.19	Water Management	Water conservation technique of different crop	1	OFF	52	16	68	18	14	32
12.09.19	Water Management	Water conservation technique of different crop	1	OFF	30	0	30	9	0	9
13.09.19	IDM	Disease management of paddy	1	OFF	30	7	37	8	7	15
19.09.19	Water Management	Water conservation technique of different crop	1	OFF	23	6	29	8	6	14
31.10.19	ICM	Packages & practices of lathyrus	1	ON	19	0	19	7	0	7
10.10.19	IDM	Diseases pest management of paddy	1	OFF	38	11	49	18	7	25
30.10.19	Water Management	Water conservation practices of rabi crops	1	OFF	17	0	17	7	0	7
04.11.19	ICM	Packages & practices of lathyrus	1	OFF	28	7	35	8	6	14
05.11.19	ICM	Packages & practices of lathyrus	1	ON	14	0	14	4	0	4
06.11.19	Water Management	Water conservation of rabi crops	1	OFF	26	4	30	8	2	10
07.11.19	ICM	Water conservation of rabi crops	1	OFF	10	1	11	2	1	3
08.11.19	Fodder Production	Package & practices of fodder crops	1	ON	23	2	25	0	2	2
01.12.19	ICM	Packages & practices	1	ON	15	15	30	3	14	17

		of lathyrus								
02.12.19	ICM	Packages & practices of lathyrus	1	OFF	12	17	29	1	17	18
Extension Education										
17.01.19	Entrepreneurship development	Mushroom spawn production technique	1	ON	11	4	15	3	1	4
21.02.19	Entrepreneurship development	Entrepreneurship development in mushroom cultivation	1	ON	12	0	12	1	0	1
28.02.19	Information networking	Use of electronic media for market updates	1	OFF	9	0	9	0	0	0
30.03.19	Entrepreneurship development	Entrepreneurship development in agriculture	1	OFF	0	21	21	0	7	7
04.04.19	Entrepreneurship development	Sustainable beekeeping for income generation	1	ON	7	14	21	3	14	17
28.05.19	Entrepreneurship development	Increasing income of farmers through vermin-composting	1	OFF	15	0	15	2	0	2
30.05.19	Entrepreneurship development	Increasing income of farmers through vermin-composting	1	OFF	34	0	34	0	0	0
31.0519	Entrepreneurship development	Upliftment of socio-economic condition through beekeeping	1	OFF	41	0	41	4	0	4
26.06.19	Entrepreneurship development	Upliftment of socio-economic condition through beekeeping	1	OFF	7	12	19	5	8	13
17.07.19	Entrepreneurship development	Entrepreneurship development in mushroom production	1	OFF	16	3	19	0	0	0
31.07.19	Entrepreneurship development	Doubling farmer's income by means of mushroom production	1	OFF	1	23	24	0	9	9
08.08.19	Entrepreneurship development	Entrepreneurship development in mushroom production	1	OFF	26	23	49	6	7	13
11.08.19	Entrepreneurship development	Farmers group as the means socio-economic upliftment of farmers and farm women	1	OFF	46	6	52	6	2	8
22.08.19	Entrepreneurship development	Farmers group as the means socio-economic upliftment of farmers and farm women	1	OFF	34	0	34	7	0	7
11.09.19	Group dynamics	FFS is the need of time for changing behavioural components of farmers	1	OFF	14	0	14	2	0	2
17.09.19	Group dynamics	FFS is the need of time for changing behavioural components of farmers	1	OFF	12	0	12	5	0	5
20.09.19	Group dynamics	FFS is the need of time for changing behavioural components of farmers	1	OFF	26	0	26	0	0	0
11.10.19	Information networking	Use of ICT in agriculture for increasing yield	1	OFF	15	0	15	2	0	2
17.10.19	Information networking	Use of ICT in agriculture for increasing yield	1	OFF	19	0	19	4	0	4
06.11.19	Information networking	Availability of markets for sale of	1	ON	39	3	42	7	1	8

		their produce								
14.11.19	Information networking	Availability of markets for sale of their produce	1	ON	13	23	36	5	3	8
17.12.19	Formation & management of SHGs	Socio-economic upliftment of farmers/farm women by means of SHGs	1	ON	0	33	33	0	12	12
04.11.19	ICM	Packages & practices of lathyrus	1	OFF	28	7	35	8	6	14
05.11.19	ICM	Packages & practices of lathyrus	1	ON	14	0	14	4	0	4
06.11.19	Water Management	Water conservation of rabi crops	1	OFF	26	4	30	8	2	10
07.11.19	ICM	Water conservation of 1rabi crops	1	OFF	10	1	11	2	1	3
08.11.19	Fodder Production	Package & practices of fodder crops	1	ON	23	2	25	0	2	2
01.12.19	ICM	Packages & practices of lathyrus	1	ON	15	15	30	3	14	17
02.12.19	ICM	Packages & practices of lathyrus	1	OFF	12	17	29	1	17	18
Animal Science										
11.01.19	Feed management	Method of feeding of UMMB in dairy animal		ON	16	0	16	3	1	4
29.01.19	Disease management	Management of infertility in dairy animals		OFF	17	0	17	1	0	1
06.03.19	IFS	Establishment and development of IFS		VC	11	1	12	0	0	0
28.03.19	Dairy Management	Housing and feeding management of dairy animals		VC	9	7	16	0	7	7
25.04.19	Goat Farming	Small scale goat farming		ON	14	17	31	3	14	17
29.05.19	Feed management	Treatment of straw with urea		OFF	21	0	21	2	0	2
30.05.19	Disease management	Management of HS & BQ in dairy animals		OFF	30	0	30	0	0	0
26.06.19	Disease management	Management of HS & BQ in dairy animals		OFF	6	14	20	4	0	4
17.07.19	Disease Management	Management of infertility in dairy animals		OFF	19	0	19	5	8	13
08.08.19	Poultry Management	Commercial broiler farming		OFF	41	0	41	0	0	0
24.08.19	Disease Management	Vaccination in cattle & poultry		OFF	29	0	29	0	9	9
26.08.19	Feed Management	Calculation of balance ration in dairy animals		OFF	19	10	29	6	7	13
27.08.19	Poultry Management	Income generation through backyard poultry		OFF	25	1	26	6	2	8
05.09.19	Poultry Management	Income generation through backyard poultry		OFF	22	8	30	7	0	7
12.09.19	Feed Management	Fodder production round the year		ON	16	3	19	2	0	2
13.09.19	Dairy Management	Clean milk production		OFF	11	9	20	5	0	5
20.09.19	Feed Management	Treatment of straw with urea		OFF	20	0	20	0	0	0
26.09.19	Goat farming	Small scale goat farming		OFF	21	0	21	2	0	2
4.10.19	Goat farming	Small scale goat farming		OFF	15	0	15	4	0	4

11.10.19	Disease management	Management & vaccination of FMD in dairy animals		OFF	28	0	28	7	1	8
18.10.19	Goat farming	Management of common disease of goat		OFF	21	0	21	5	3	8
6.11.19	Disease management	Management of common disease of goat		OFF	17	7	24	0	12	12
8.11.19	Fodder Production	Fodder production round the year		ON	23	2	25	8	6	14
13.11.19	Disease management	Vaccination in cattle and poultry		OFF	16	0	16	4	0	4
14.11.19	Poultry Management	Management of commercial broiler		ON	20	8	28	8	2	10
15.11.19	Disease management	Management of infertility in dairy animals		ON	26	4	30	2	1	3
02.12.19	Disease management	Management & vaccination of FMD in dairy animals		ON	12	10	22	0	2	2
26.12.19	Goat farming	Small scale goat farming		ON	11	19	30	3	14	17

H) Vocational training programmes for Rural Youth

Details of training programmes for Rural Youth

Crop / Enterprise	Identified Thrust Area	Training title*	Duration (days)	No. of Participants			Self employed after training			Number of persons employed else where
				Male	Female	Total	Type of units	Number of units	Number of persons employed	
Mushroom Grower	Income Generation	Mushroom Grower	30	16	4	20				
Beekeeping	Entrepreneurship development	Doubling income through beekeeping	1	16	4	20				
Animal Science	Dairy Management	Dairy Management	3	14	7	21				
Agronomy	Seed Production	Weed management in Kharif crops	1	29	0	29				
Mushroom	Entrepreneurship development	Entrepreneurship development in mushroom production	6	24	3	27				
Animal Science	Goat farming	Goat Management	4	30	1	31				
Animal Science	Goat farming	Goat management	4	31	5	36				
Mushroom	Entrepreneurship development	Entrepreneurship development in mushroom production	4	21	24	35				
Animal Science	Goat farming	Goat management	4	28	7	35				

*training title should specify the major technology /skill transferred

I) Sponsored Training Programmes

Sl. No	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
					PF/RY/EF		Male			Female			Total				
							Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	State level Kharif Mahabhiyan-cum-training	Crop production	June	1	PF	1	58	13	0	16	2	0	74	15	0	89	BAMETI, Patna
2	Management of common disease in cattle	Disease management	June	1	PF	1	82	21	0	2	10	0	84	31	0	122	ATMA, Gaya
3	Management of HS & BQ in cattle	Disease management	June	1	PF	1	79	28	0	5	16	0	84	34	0	118	ATMA, Gaya
4	Kharif maha abhiyan	Crop production	June	1	PF	25	1376	147	0	107	85	0	1483	232	0	1715	ATMA, Gaya
5	Disease management of paddy	Disease management	Sep	1	PF	1	22	4	0	1	0	0	23	4	0	27	ATMA, Gaya
6	Scientific cultivation of rabi crops	Crop production	Sep	1	PF	1	5	6	0	4	15	0	9	21	0	35	ATMA, Gaya
7	Rabi Mahaabhiyan 2019	Crop production	Sep	1	PF	1	165	30	0	7	1	0	172	31	0	203	ATMA, Gaya
8.	Packages & practices of rabi crops	Crop production	Oct	1	PF	1	38	2	0	7	2	0	45	4	0	49	ATMA, Gaya
9	Rabi abhiayan	Crop production	Oct	1	PF	25	1402	201	0	57	33	0	1459	234	0	1693	ATMA, Gaya
10	Jal shakti abhiyan	Water management	Sep/Oct	1	PF	139	4356	1793	0	1076	420	0	5432	2213	0	7645	KVK
11	Workshop on oilseed crop	Crop production	Nov	1	PF	1	40	17	0	4	9	0	44	26	0	70	ATMA, Gaya

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

Nature of Extension Activity	No. of activities	Farmers				Extension Officials			Total		
		M	F	T	SC/ ST (% of total)	Male	Female	Total	Male	Female	Total
Field Day	5	165	42	207	15	51	7	58	216	49	265
Kisan Mela	1	2150	468	2618	18	210	150	360	2360	618	2978
Kisan Gosthi	48	842	225	1067	23	210	55	265	1052	280	1332
Exhibition	3	1267	325	1592	17	198	52	250	1465	377	1842
Film Show	8	1045	210	1255	13	155	32	187	1200	242	1442
Method Demonstrations	2	70	5	75	5	12	7	19	82	12	94
Farmers Seminar	2	105	45	150	21	15	3	18	120	48	168
Workshop	3	1032	287	1319	27	210	52	262	1242	339	1581
Group meetings	5	70	21	91	11	10	3	13	80	24	104
Lectures delivered as resource persons	62	1232	423	1655	13	118	20	138	1350	443	1793
Advisory Services	3414	2450	342	2792	18	510	112	622	2960	454	3414
Scientific visit to farmers field	653	517	136	653	11	12	4	16	529	140	669
Farmers visit to KVK	1142	924	218	1142	13	208	76	284	1132	294	1426
Diagnostic visits	5	52	11	63	10	10	5	15	62	16	78
Exposure visits	3	25	5	30	3	5	2	7	30	7	37
Ex-trainees Sammelan	1	20	5	25	3	5	1	6	25	6	31
Soil health Camp	1	110	15	125	11	10	3	13	120	18	138
Animal Health Camp	5	510	20	530	14	5	2	7	515	22	537
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	1	110	15	125	11	10	3	13	120	18	138
Farm Science Club Conveners meet	3	118	10	128	13	5	2	7	123	12	135
Self Help Group Conveners meetings	2	15	10	25	15	2	1	3	17	11	28
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Celebration of important days											

(specify)											
Sankalp Se Siddhi	0	0		0				0	0	0	0
Swatchta Hi Sewa	5	688	390	1078	28	25	8	33	713	398	1111
Mahila Kisan Divas	0	0	0	0	0	0	0	0	0	0	0
Any Other (Specify)											
Jal Shakti Abhiyan Mela	2	1850	690	2540	23	210	45	255	2060	735	2795
FMD & Brucllosis control	1	90	32	122	14	25	5	30	115	37	152
Plantation Day	1	180	22	202	17	15	2	17	195	24	219
Fertilizer awareness programme	1	72	16	88	15	18	2	20	90	18	108
Jal Jivan Hariyali	1	62	12	74	13	18	1	19	80	13	93
World Soil Day	1	67	18	85	12	20	2	22	87	20	107
Kisan avam Vigyan Divas	1	28	3	31	5	20	2	22	48	5	53
International Yoga Day	1	22	3	25	2	0	0	0	22	3	25
World Environment Day	1	54	5	59	3	6	0	6	60	5	65
Constitution Day	1	23	5	28	4	32	2	34	55	7	62
Total	**5385**	**15965**	**4034**	**19999**	**421**	**2360**	**661**	**3021**	**18325**	**4695**	**23020**

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	36
Radio talks	5
TV talks	5
Popular articles	10
Extension Literature	8
Other, if any	

3.5 a. Production and supply of Technological products

Village seed

Crop	Variety	Quantity of seed (q)	Value (Rs)	No. of farmers involved in village seed production	Number of farmers to whom seed provided			
					SC	ST	Other	Total
Total								

KVK farm

Crop	Variety	Quantity of seed (q)	Value (Rs)	Number of farmers to whom seed provided			
				SC	ST	Other	Total
Wheat	S. Nirjal (F/S)	12.50	50000	0	0	32	32
	DBW-14 (F/S)	15.98	63920				
	DBW-14 (C/S)	24.31	85085				
	HI-1563 (T/L)	3.10	9300				
Moong	PDM-139 (T/L)	3.50	42000			KVK, Gaya	75
Paddy	R. Shweta (F/S)	106.50	421600				225
	Sahbhagi (C/S)	33.32	99066				
	R. Kasturi (C/S)	0.85	4675				
	S. Ardhjal, S. Shree, Rajendra Mansoori, S. Harshit, Panna Mansoori	7.87	23610				
Lentil	HUL-57 (F/S)	3.39	37920				40
Grand Total		**211.32**	**837176**				

Production of planting materials by the KVKs

Crop	Variety	No. of planting materials	Value (Rs)	Number of farmers to whom planting material provided			
				SC	ST	Other	Total
Vegetable seedlings							
Cauliflower							
Cabbage							
Tomato							
Brinjal							
Chilli							
Onion							
Others							
Fruits							
Mango							
Guava							
Lime							
Papaya							
Banana							
Others							
Ornamental plants							
Medicinal and Aromatic							
Plantation							
Spices							
Turmeric							
Tuber							
Elephant yams							
Fodder crop saplings							
Forest Species							
Others, pl.specify							
Total							

Production of Bio-Products

Name of product	Quantity Kg	Value (Rs.)	No. of Farmers benefitted			
			SC	ST	Other	Total
Bio-fertilizers						
Bio-pesticide						
Bio-fungicide						
Bio-agents						
Others, please specify.						
Total						

Production of livestock materials

Particulars of Live stock	Name of the breed	Number	Value (Rs.)	No. of Farmers benefitted			
				SC	ST	Other	Total
Dairy animals							
Cows							
Buffaloes							
Calves							
Others (Pl. specify)							
Small ruminants							
Sheep							
Goat	Black Bengal	30	60000	-			
Other, please specify							
Poultry							
Broilers							
Layers							
Duals (broiler and layer)							
Japanese Quail							
Turkey							
Emu							
Ducks							
Others (Pl. specify)							
Piggery							
Piglet							
Hog							
Others (Pl. specify)							
Fisheries							
Indian carp							
Exotic carp							
Mixed carp							
Fish fingerlings							
Spawn							
Others (Pl. specify)							
Grand Total							

3.5. b. Seed Hub Programme - ***"Creation of Seed Hubs for Increasing Indigenous Production of Pulses in India"*** ***NA***

i) Name of Seed Hub Centre:

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

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2018						
Rabi 2019						
Summer/Spring 2019						

iii) Financial Progress

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

iv) Infrastructure Development

Item	Progress
Seed processing unit	
Seed storage structure	

3.6. (A) Literature Developed/ Published (with full title, author & reference)

Item	Title	Author's name	Number	Circulation
Research paper	1. Effect of different levels of on nutrient content and uptake by kharif maize	Zakir *et. al.*		
	2. Effect of enzyme supplementation on performance of broiler in poultry farm of Gaya district	Anil Kumar Ravi *et.al.*		
Seminar/conference/ symposia papers	1. Effect of different type of mulch on growth, yield attributes and yield of brinjal	Kumar *et.al.*		
	2. Importance of draught tolerant rice variety under various method of establishment in draught prone condition of Bihar	Singh *et. al*		
Books				
Bulletins	1. Chana ki vaigyanik kheti	Rajeev Singh	1000	
	2. Masoor ki vaigyanik kheti	Ashok Kumar	1000	
	3. Khesari ki vaigyanik kheti	Devendra Mandal	1000	
News letter	1. Krishak Samachar	KVK, Gaya	1000	
Popular Articles	1. Dudharoo pashuon me thanaila rog-karan, lakshan, bachao avam upchar	Anil Kumar Ravi *et. al*	1000	
	2. Paudhon me poshak tatwon ka mahatva avam kami ke lakshan	Ashok Kumar et. al	1000	
	3. Shushk kheti	Devendra Mandal et. al	1000	
Book Chapter				
Extension Pamphlets/ literature	1. Jal Shakti Abhiyan		1000	
	2. Jal Jivan Hariyali		1000	
Technical reports	Annual Report		25	
	SAC Report		52	
	Extension Council Report		15	
	CFLD Report		10	
	QRT Report		30	
Electronic Publication (CD/DVD etc)	1. Jalvayu anukul krishi			
TOTAL			**9132**	

N.B.: Please enclose a copy of each. In case of literature prepared in local language please indicate the title in English

(B) Details of HRD programmes undergone by KVK personnel:

Sl. No.	Name of programme	Name of course	Name of KVK personnel and designation	Date and Duration	Organized by
1.	TOT	Vermi-Compost	Smt. Neha	08-17/01/2020	BAU, Sabour
2.	TOT	Vermi-Compost	Dr. Anil Kumar Ravi	06-07/01/2020	BAU, Sabour
3.	TOT	Bee-keeper	Dr. Ashok Kumar	06-07/01/2020	BAU, Sabour
4.	TOT	Bee-keeper	Mr. Devendra Mandal	06-07/01/2020	BAU, Sabour

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

a) Subodh Kumar Singh

<table>
<tr><td>Name of farmer</td><td colspan="4">Subodh Kumar Singh</td></tr>
<tr><td>Address</td><td colspan="4">Kharkhura, Bhaluahi, Near Brahm Asthan,
P.O. – R S Gaya
Delha, Chandauti
Gaya-823002</td></tr>
<tr><td>Contact details (Phone, mobile, email Id)</td><td colspan="4">98352 60601</td></tr>
<tr><td>Landholding (in ha.)</td><td colspan="4">5.0</td></tr>
<tr><td>Name and description of the farm/ enterprise</td><td colspan="4">Magadh Dairy, Kujapi
Presently he has 105 cows, 25 buffaloes and 39 calves with vermi-compost production unit.</td></tr>
<tr><td rowspan="11">Economic impact</td><td colspan="4">Before adoption of technology</td></tr>
<tr><td>S.N.</td><td>Enterprise</td><td>Gross Income</td><td>Net Income</td></tr>
<tr><td>1.</td><td>Dairy</td><td>32 lakh</td><td>6 lakh</td></tr>
<tr><td>2.</td><td>Field crop</td><td>2.8 lakh</td><td>1 lakh</td></tr>
<tr><td colspan="4">After adoption of technology</td></tr>
<tr><td>S.N.</td><td>Enterprise</td><td>Gross Income (in lakh)</td><td>Net Income (in lakh)</td></tr>
<tr><td>1.</td><td>Dairy</td><td>57</td><td>15</td></tr>
<tr><td>2.</td><td>Vermi-compost</td><td>19</td><td>8</td></tr>
<tr><td>3.</td><td>Field crop</td><td>3.6</td><td>2</td></tr>
<tr><td>4.</td><td>Horticulture</td><td>24</td><td>10</td></tr>
<tr><td>5.</td><td>Fisheries</td><td>0.8</td><td>0.5</td></tr>
<tr><td>Social impact</td><td colspan="4">After resigning job of railway he started his own dairy at Kujapi with 10 cows in 1998. Now he expanded his dairy to 170 cattles with vermi-compost unit. His dairy is equipped with latest technology like milking machine, bulk milk cooler, genset, crusher mill, chopp cutter, ccTv, bio-gas plant etc.</td></tr>
<tr><td>Environmental impact</td><td colspan="4"></td></tr>
<tr><td>Horizontal/ Vertical spread</td><td colspan="4">220 farmers were benefitted through farm visit & training</td></tr>
</table>

b) Sriniwash Kumar

Name of farmer	Sriniwash Kumar
Address	Vill.- Bagdaha Block – Bodhgaya Dist. - Gaya
Contact details (Phone, mobile, email Id)	947301719/9102856833
Landholding (in ha.)	7.0
Name and description of the farm/ enterprise	i) Crops – Paddy – 5.5 ha Wheat – 4.5 ha Pulses – 2.4 ha Oilseeds – 1.0 ha ii) Animals – Cow – 10 No. iii) Vermi-compost – 30 units iv) Mushroom production
Economic impact	After completing graduation tried for Govt. job but could not make it. Responsibility was given to me to look after my family but there was no income to meet even the essential requirements of the family as mainly concentrated to traditional farming with traditional crops. That time family annual income was merely Rs. 45,000/-. Then went to KVK, Manpur and consulted the scientist and got training vermin-composting, dairy, mushroom production technology and started with these enterprises. Due to this, presently my income grew to almost 7.50 lakh from all these enterprises.
Social impact	With increase in the family income the social status of the family enhanced and many of the nearby farmers started using vermicompost in their field.
Environmental impact	Due to application of organic fertilizers there is improvement in soil health and less in water/air/soil pollution.
Horizontal/ Vertical spread	The area under organic farming increase considerably in and around my village.

c) Piyush Raj

Name of farmer	Piyush Raj
Address	Vill-Tarwan, Block-Wazirganj, Dist.-Gaya
Contact Details (Phone, Mobile, Email ID)	Mob.No.8409992659
Landholding (in ha.)	0.4 ha
Name and description of the Farm/enterprise	Swadesh : The Mushroom Era
Economic impact	After passing 12th class and looking for job and living hand to mouth as there was no source of income. Then got training from KVK, Manpur, Gaya, after taking training, started an Enterprise Swadesh: The Mushroom Era. Created a mushroom farm of 7000 Sqft. area for its production. This farm is totally based on seasonal cultivation. Presently income generated per year from this enterprise Rs. 7.0 Lakh.
Environmental impact	As there is no application of any chemical which directly or indirectly affects the environment i.e. air pollution, soil pollution etc.
Horizontal/vertical spread	In the first year, the earning was only Rs.2.3 Lakh which increased to Rs.3.5 Lakh in the succeeding year and finally earning almost Rs.7.0 Lakh on one hand and generating employment to 10 persons engaged in the enterprise on the second hand.

3.8. Give details of innovative methodology or innovative technology of Transfer of Technology developed and used during the year

Sl. No.	Name/ Title of the technology	Name/ Details of the Innovator(s)	Brief details of the Innovative Technology
1.	Zero tillage in wheat	Dr. Rajeev Singh	
2.	Happy Seeder	Dr. Rajeev Singh	
3.	Zero tillage in lentil	Mr. Devendra Mandal	
4.	Zero tillage in mustard	Dr. Ashok Kumar	
5.	Feeding of UMMB in cattle	Dr. Anil Kumar Ravi	

3.9. a. Give details of indigenous technology practiced by the farmers in the KVK operational area which can be considered for technology development (in detail with suitable photographs)

Sl. No.	Crop / Enterprise	ITK Practiced	Purpose of ITK

b. Give details of organic farming practiced by the farmer

Sl. No.	Crop / Enterprise	Area (ha)/ No. covered	Production	No. of farmers involved	Market available (Y/N)
1.	Muskmelon	0.4	78 qtl	5	Y
2.	Vegetables	1.0	210 qtl	8	Y

3.10. Indicate the specific training need analysis tools/methodology followed by KVKs

Sl. No.	Brief details of the tool/ methodology followed	Purpose for which the tool was followed

3.11. a. Details of equipment available in Soil and Water Testing Laboratory

Sl. No	Name of the Equipment	Qty.

3.11.b. Details of samples analyzed so far :

Number of soil samples analyzed			No. of Farmers	No. of Villages	Amount realized (in Rs.)
Through mini soil testing kit/labs	Through soil testing laboratory	Total			
112	0	112	112	15	

3.11.c. Details on World Soil Day

Sl. No.	Activity	No. of Participants	No. of VIPs	Name (s) of VIP(s)	Number of Soil Health Cards distributed	No. of farmers benefitted
1.	Live Telecast by Hon'ble Agri. Minister, Govt. of Bihar, Dr. Prem Kumar (5th Dec. 2019)	107	1	Block Pramukh	72	107

3.12. Activities of rain water harvesting structure and micro irrigation system

No of training programme	No of demonstrations	No of plant material produced	Visit by the farmers	Visit by the officials
132				

3.13. Technology week celebration

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

3.14. RAWE/ FET programme - is KVK involved? (Y/N) **N**

No of student trained	No of days stayed

ARS trainees trained	No of days stayed

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

Date	Name of the person	Purpose of visit
11.09.2019	Dr. Prem Kumar, Agri. Minister, Govt. of Bihar	Inauguration of National Animal Disease Control Program for FMD and brucellosis and Artificial Insemination.

IMPACT

4.1. Impact of KVK activities (Not to be restricted for reporting period).

Name of specific technology/skill transferred	No. of participants	% of adoption	Change in income (Rs.)	
			Before (Rs./Unit)	After (Rs./Unit)

NB: Should be based on actual study, questionnaire/group discussion etc. with ex-participants

4.2. Cases of large scale adoption

(Please furnish detailed information for each case)

Horizontal spread of technologies	
Technology	Horizontal spread
Sahbhagi dhan	15%
Goat farming	1525

Give information in the same format as in case studies

4.3. Details of impact analysis of KVK activities carried out during the reporting period

Sl. No.	Brief details of technology	Impact of the technology in subjective terms	Impact of the technology in objective terms

4.4. Details of innovations recorded by the KVK

Thematic area	
Name of the Innovation	
Details of Innovator	
Back ground of innovation	
Technology details	
Practical utility of innovation	

4.5. Details of entrepreneurship development

Entrepreneurship development	
Name of the enterprise	Integrated farming system
Name & complete address of the entrepreneur	Mr. Santosh Kumar, Sheikhwara, Bodhgaya, Gaya
Role of KVK with quantitative data support:	Shri Santosh Kumar son of Shri Baldev Yadav Village Shekhwara Block- Bodh Gaya a successful dairy farmer initially started it with four cows about five year ago with annual income of Rs. 2.50 lac. Later in consultation with KVK, Gaya, he has increases its strength through IFS model. Now this time he has more than 70 cows, 60 vermicompost unit, 0.5 acre area in organic farming, 0.5 acre in pond, 1.5 acre in cereal crops and income to Rs. 36.78 lakhs per annum.
Timeline of the entrepreneurship development	5 years
Technical Components of the Enterprise	Technical component provided by KVK, Gaya
Status of entrepreneur before and after the enterprise	Previously he earned Rs. 2.5 lakhs/annum through dairy and crop production. This year Sri Santosh Kumar earned Rs. 36.78 lakhs/annum.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Easily sale out of milk, milk product, fish, vegetables and Govt. supply of vermicompost in local market.
Horizontal spread of enterprise	32 farmers involved with this practice

Entrepreneurship development	
Name of the enterprise	Livelihood improvement through beekeeping
Name & complete address of the entrepreneur	Mr. Chittaranjan Kumar, Maranchi, Pariaya, Gaya
Role of KVK with quantitative data support:	Shri Chittaranjan Kumar initially cultivated paddy, wheat, gram in 5 acre area and earned Rs. 1,05,382/- per annum. After consultancy and training of KVK, Gaya he started honey production.
Timeline of the entrepreneurship development	5 years
Technical Components of the Enterprise	Technical component provided by KVK, Gaya
Status of entrepreneur before and after the enterprise	Shri Chittaranjan Kumar initially cultivated paddy, wheat, gram in 5 acre area and earned Rs. 1,05,382/- per annum. After consultancy and training of KVK, Gaya he started honey production and branding with Surbhi madhu and got Rs. 3,50,000/- additional net income through honey production.
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	Easily sale out of honey in local market.
Horizontal spread of enterprise	74 farmers involved with this practice

4.6. Any other initiative taken by the KVK

5. LINKAGES

5.1. Functional linkage with different organizations

Name of organization	Nature of linkage
1. District Agriculture Officer, Gaya	Training to farmers & Extension functionaries
2. Agricultural Technology Management Agency (ATMA), Gaya	Training, Field day, Kisan Mela
3. District Horticulture Office, Gaya	Training
4. Bihar State Forest Development Corporation, Gaya	Training
5. Sugarcane Development Department, Gaya/Patna.	Training / Exhibition / Seminar
6. District Soil Conservation Department, Gaya.	Training
7. National Fertilizer Limited, Gaya.	Seminar, Field day, Training
8. Indian Farmers Fertilizer Co. (IFFCO) Gaya.	Field day, Seminar, Training
9. CWC, Patna	Training
10. Roji – Roti (NGO), Manpur, Gaya.	Training
11. Micro-Mode Management Project Govt. of Bihar, (RAU, Pusa)	Field Demonstration
12. National Horticulture Mission Govt. of Bihar (RAU, Pusa)	Model Horticultural Nursery
13. Agricutural Research Institute Patna.	Nursery Development of Medicinal & Aromatic Plants
14. PRAN Gaya	Training, field day
15. ICAR- Research complex for eastern region, Patna	Demonstration on LEWA irrigation system
16. Paradeep Phosphates Limited, Gaya	Field day
17. Bihar Agriculture Management & Extension Training Institute, Patna	Participation in meeting, Conducting Training Programme, joint implementation etc.
18. NABARD	Training, Workshop, Kisan Club
19.. Jeevika, Gaya	Training, OFT, Field visit
20. Agragami India, Gaya	Training, FLD, OFT

5.2. List of special programmes undertaken during 2019 by the KVK, which have been financed by ATMA/ Central Govt/ State Govt./NABARD/NHM/NFDB/Other Agencies **(information of previous years should not be provided)**

a) Programmes for infrastructure development

Name of the programme/ scheme	Purpose of programme	Date/ Month of initiation	Funding agency	Amount (Rs.)
CRAP Programme	To mitigate climatic condition to crop	20-11-2019	Bihar Govt	

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

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

6. PERFORMANCE OF INFRASTRUCTURE IN KVK

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

Sl. No.	Name of demo Unit	Year of estt.	Area(Sq.mt)	Details of production			Amount (Rs.)		Remarks
				Variety/breed	Produce	Qty.	Cost of inputs	Gross income	
1.	Goatry unit	2015	400	Black Bengal	Kid	10		11946	
2.	Azola unit	2019	10						
3.	Vermi-compost	2019	12						
	Total		422						

6.2. Performance of Instructional Farm (Crops)

Name Of the crop	Date of sowing	Date of harvest	Area (ha)	Details of production			Amount (Rs.)		Remarks
				Variety	Type of Produce	Qty. (q)	Cost of inputs	Gross income	
Moong	9/4/19	Jun & Jul	1.0	PDM-139	F/S	60.30	12750	75600	
Paddy	18/7/19	8/12/19	3.0	R. Sweta	C/S	120.85	97500	421600	
	6/8/18	19/12/18	1.0	Sahbhagi	C/S	40.50	28500	99066	
	6/07/18	13/11/18	12.25	R. Kasturi	C/S	12.25	9925	4615	
	15/07/18	24/12/18	0.38	Sabour Ardhjal	T/L	14.0	10830	23610	
				Sabour Shree					
				Rajendra Mansoori					
				Sabour Harshit					

6.3. Performance of Production Units (bio-agents / bio pesticides/ bio fertilizers etc.,)

Sl. No.	Name of the Product	Qty. (Kg)	Amount (Rs.)		Remarks
			Cost of inputs	Gross income	
1.					

6.4. Performance of instructional farm (livestock and fisheries production)

Sl. No	Name of the animal / bird / aquatics	Details of production			Amount (Rs.)		Remarks
		Breed	Type of Produce	Qty.	Cost of inputs	Gross income	
1.							
2.							
3.							

6.5. Utilization of hostel facilities

Accommodation available (No. of beds)

Months	No. of trainees stayed	Trainee days (days stayed)	Reason for short fall (if any)
Total :			

(For whole of the year)

6.6. Utilization of staff quarters

Whether staff quarters has been completed:
No. of staff quarters:
Date of completion:
Occupancy details:

Months	Q I	QII	Q III	QIV	Q V	QVI

7. FINANCIAL PERFORMANCE

7.1. Details of KVK Bank accounts

Bank account	Name of the bank	Location	Account Number
Saving(Main A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225627
Saving(R/F A/c)	Punjab National Bank	Dhamitola, Gaya	0179000100225636

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

Item	Released by ICAR		Expenditure		Unspent balance as on -
	Kharif	Rabi	Kharif	Rabi	
Mustard		900000		811600	88400

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

Item	Released by ICAR		Expenditure		Unspent balance as on 1st April 2013
	Kharif	Rabi	Kharif	Rabi	
Blackgram	90000		82666		7334
Pigeonpea	90000		82420		7580
Chickpea		90000		81000	9000
Lentil		90000		78950	11050
Fieldpea		90000		81000	9000
Greengram		90000		0	90000

7.4. Utilization of KVK funds during the year 2019 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	93,65,000.00	57,12,533.00	65,58,586.00
2	Traveling allowances	1,00,000.00		85,000.00
	HRD	25,000.00		20,000.00
3	Contingencies			
A	Stationary			
B	POL	3,00,000.00		2,45,869.00
C	Training			
D	Training material	2,70,000.00		2,40,000.00
E	FLD	70,000.00	5,91,402.00	61,200.00
F	OFT	95,000.00		90,000.00
G	Soil & water testing lab	0		0
H	Maintenance of building	25,000.00		25,000.00
I	Extension activities, kisan mela	25,000.00		0
J	Swachhta Expenditure	0		0
TOTAL (A)		1,02,75,000.00	63,06,935.00	73,25,655.00
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)				

7.5. Status of revolving fund (Rs. in lakh) for last three years

Year	Opening balance as on 1st April	Income during the year	Expenditure during the year	Net balance in hand as on 1st April of each year (Kind + cash)
2015-16	6,15,958.85	7,04,513.00	2,49,709.00	10,70,762.85
2016-17	10,70,762.85	7,55,670.00	3,85,938.00	14,40,494.85
2017-18	14,40,494.85	8,23,827.00	4,96,277.00	17,68,044.85
2018-19	17,68,044.85	8,46,170.00	6,41,979.00	19,72,235.85
2019	19,72,235.85	7,29,162.00	5,13,807.00	21,87,590.85

7.6. (i) Number of SHGs formed by KVKs
(ii) Association of KVKs with SHGs formed by other organizations indicating the area of SHG activities
(iii) Details of marketing channels created for the SHGs

7.7. Joint activity carried out with line departments and ATMA

Name of activity	Number of activity	Season	With line department	With ATMA	With both

8. Other information

8.1. Prevalent diseases in Crops

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

8.2. Prevalent diseases in Livestock/Fishery

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

9.1. Nehru Yuva Kendra (NYK) Training

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

9.2. PPV & FR Sensitization training Programme

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

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

Type of message	No. of messages	No. of farmers covered
Crop	9	70721
Livestock	3	24313
Fishery	0	0
Weather	4	31334
Marketing	2	16420
Awareness	1	8835
Training information	4	33281
Other	4	31151
Total	**27**	**216055**

9.4. *KVK* Portal and Mobile App

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

9.5. a. Observation of Swachh Bharat Programme

Date/ Duration of Observation	Activities undertaken

b. Details of Swachhta activities with expenditure

Activities	**Number**	**Expenditure (in Rs.)**
1. Digitization of office records/ e-office	2	
2. Basic maintenance	1	
3. Sanitation and SBM	1	
4. Cleaning and beautification of surrounding areas	2	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	180	
6. Used water for agriculture/ horticulture application	5	
7. Swachhta Awareness at local level	8	
8. Swachhta Workshops	1	
9. Swachhta Pledge	1	
10. Display and Banner	2	
11. Foster healthy competition	1	
12. Involvement of print and electronic media	35	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	5	
14. No of Staff members involved in the activities	20	
15. No of VIP/VVIPs involved in the activities	0	
16. Any other specific activity (in details)	0	
Total	**264**	

9.6. Observation of National Science day

Date of Observation	Activities undertaken

9.7. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.8. Agriculture Knowledge in rural school

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

Give good quality 1-2 photograph(s)

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

Date of programme	No. of Union Ministers attended the programme	No. of Hon'ble MPs (Loksabha/ Rajyasabha) participated	No. of State Govt. Ministers	Participants (No.)							Coverage by Door Darshan (Yes/No)	Coverage by other channels (Number)
				MLAs Attended the programme	Chairman ZilaPanchayat	Distt. Collector/ DM	Bank Officials	Farmers	Govt. Officials, PRI members etc.	Total		
08.03.2019	0	0	1	3	3	0	1	360	10	378	No	No

9.10. Details of Swachhta Hi Sewa programme organized

Sl. No.	Activity	No. of villages Involved	No. of Participants	No. of VIPs	Name (s) of VIP(s)
1	Awareness programme	18	672	0	-

9.11. Details of Mahila Kisan Divas programme organized

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

9.12. No. of Progressive/ Innovative/ Lead farmer identified (category wise)

Sl. No.	Name of Farmer	Address of the farmer with contact no.	Innovation/ Leading in enterprise
1.	Mr Santosh Kumar	Sikwara, Bodh Gaya, Gaya	Enrich Vermicompost, IFS
2.	Mr Chitranjan kumar	Maranchi Paraiya Gaya	Honey Production
3.	Mr Ashish Kumar Singh	Tekari, Gaya	Black Rice and Wheat
4.	Mr Subodh kumar	Bodh Gaya, Gaya	Dairy

9.13. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.	Training Hall	2500.00	NHB, Patna
2.			
3.			

9.14. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created
1	CRA Programme	Mitigation of climate condition to crop	Bihar Govt	**3.0**	

9.15. Performance of Automatic Weather Station in KVK

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

9.16. Contingent crop planning

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

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

a) Year:
b) Introduction / General Information:

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

11. Details of TSP **NA**

a. Achievements of physical output under TSP during 2017-18

Programmes	Physical achievements
Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)	
On-farm trials (Number)	
Frontline demonstrations (Number)	
Farmers training (in lakh)	
Extension personnel training (in lakh)	
Participants in extension activities (in lakh)	
Seed production (in tonnes)	
Planting material production (in lakh)	
Livestock strains and fingerlings production (in lakh)	
Soil, water, plant, manures samples testing (in lakh)	
Provision of mobile agro – advisory to farmers (in lakh)	
No. of other programmes (Swachha Bharat Abhiyaan, Agriculture knowledge in rural school, Planting material distribution, Vaccination camp etc.)	

b. Fund received under TSP in 2017-18 (Rs. In lakh):

c. Achievements of physical outcome under TSP during 2017-18

Sl. No.	Description	Unit	Achievements
1	Change in family income	%	
2	Change in family consumption level	%	
3	Change in availability of agricultural implements/ tools etc.	No. per household	

d. Location and Beneficiary Details during 2017-18

District	***Sub-district***	***No. of Village covered***	***Name of village(s) covered***	***ST population benefitted (No.)***		
				M	F	T

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

Natural Resource Management

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

Crop Management

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

Livestock and fisheries

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

Institutional interventions

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

Capacity building

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

Extension activities

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

Detailed report should be provided in the circulated Performa

13. Awards/Recognition received by the KVK

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

Award received by Farmers from the KVK district

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

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

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

Sl. No.	Name of the organization/ Society	Trust Deed No.& date	Date of Trust Registration Address	Proposed Activity	Commodity Identified	No. of Members	Financial position (Rupees in lakh)	Success indicator

16. Integrated Farming System (IFS)
Details of KVK Demo. Unit

Sl. No.	Module details (Component-wise)	Area under IFS (ha)	Production (Commodity-wise)	Cost of production in Rs. (Component-wise)	Value realized in Rs. (Commodity-wise)	No. of farmer adopted practicing IFS	% Change in adoption during the year
1	Goatry, Dairy Vermicompost	1.0	-	-	-	-	-

17. Technologies for Doubling Farmers' Income

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

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

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

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

Date of Visit	Name of Hon'ble Minister	Name of Ministry	Salient points in his/ her observation (2-3 bulleted points)
11-09-2019	Dr. Prem kumar	Agriculture and animal husbandry	

20. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18 and 2019

Year	Name of the Job role	Name of the certified Trainer of KVK for the Job role	Date of start of training	Date of completion of training	No. of participants	Whether uploaded to SDMS Portal (Y/N)	Fund utilized for the training (Rs.)
2016-17							
2017-18							
2019	Mushroom Grower	Dr. Ashok Kumar, Dr. Anil Kumar Ravi	15.01.2019	13.02.2019	20	Y	
	Mushroom Grower	Dr. Ashok Kumar, Dr. Anil Kumar Ravi	01.03.2019	28.03.2019	20	Y	

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2019

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

21. Information on NARI Project (if applicable) **NA**

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

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

Krishi Kalyan Abhiyan- I and II

A. Training

Name of programme	*No. of programmes*	*No. of farmers benefitted*									*No. of officials attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	79									9914	
KKA-II	66									2368	

B. Distribution of seed/ planting materials/ input/ others

Name of programme	*No. of Programme*	*Total quantity distributed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		Seed (q)	*Planting material (lakh)*	*Input (kg)*	*Other (kg/ No.)*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	25	208.04	12000					0	0						8376
KKA-II	25	30.74	12500					0	0						8074

C. Livestock and Fishery related activities

Name of programme	*No. of Programme*	*Activities performed*				*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		No. of animals vaccinated	*No. of animals dewormed*	*Feed/ nutrient supplements provided (kg)*	*Any other (Distribution of animals/ birds/ fingerlings) [No.]*	*SC*		*ST*		*Others*		*Total*			
						M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	*T*	
KKA-I	*50*	*8628*													
KKA-II	*50*	*12431*													

D. Other activities

Name of programme	*Activities*	*No. of farmers benefited*									*No. of other officials (except KVK) attended the programme*
		SC		*ST*		*Others*		*Total*			
		M	*F*	*M*	*F*	*M*	*F*	*M*	*F*	T	
KKA-I	Soil Health Card Distributed									2470	
	NADEP Pit established									251	
	Farm implements distributed										
	Others, if any										
KKA-II	Soil Health Card Distributed									9739	
	NADEP Pit established										
	Farm implements distributed										
	Others, if any										

Krishi Kalyan Abhiyan- III

No. of villages covered	***No. of animal inseminated***	***No. of farmers benefitted***									***Any other, if any (pl. specify)***
		SC		***ST***		***Others***		***Total***			
		M	***F***	***M***	***F***	***M***	***F***	***M***	***F***	T	
73	***1113***									***1113***	

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

Sl. No.	Name of the programme	Date of the programme	Venue	Purpose	No. of participants
1.	National Animal Disease Control Program for FMD and brucellosis and Artificial Insemination	11-09-2019	KVK		238

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

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