Annual Progress Report

(January 2020 - December 2020)

Krishi Vigyan Kendra, Manpur, Gaya

ICAR

Directorate of Extension Education

Bihar Agricultural University, Sabour, Bhagalpur




PROFORMA FOR ANNUAL REPORT 2020 (1st January- 31st December 2020)

1. GENERAL INFORMATION ABOUT THE KVK

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

Name and address of KVK	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

Name and address of Host Organization	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 2020**)

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) 47800/-	05-07-2019	Permanent	Others
2.	Subject Matter Specialist	Dr. Ashok Kumar	SMS	Extension Education	(15600-39100) 32750/-	08-01-2008	Permanent	OBC
3.	Subject Matter Specialist	Sri Devendra Mandal	SMS	Agronomy	(15600-39100) 26620/-	17-04-2012	Permanent	OBC
4.	Subject Matter Specialist	Dr. Anil Kumar Ravi	SMS	Animal Science	(15600-39100) 26620/-	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) 17130/-	02-11-2012	Permanent	OBC
9.	Computer Programmer	Dr. Ved Prakash	Prog. Asstt. (Computer)	MCA, Ph.D.	(9300-34800) 16630/-	20-05-2013	Permanent	OBC
10.	Farm Manager	Sri Mukesh Kumar	Farm Manager	M.Sc.(Ag) (Ext.Edu.)	(9300-34800) 17130/-	30-10-2012	Permanent	OBC
11.	Accountant / Superintendent	Sri Prem Kumar Thakur	Assistant	MBA in Finance	(9300-34800) 16630/-	13-04-2013	Permanent	OBC
12.	Stenographer	Sri Patwardhan Kumar	Stenographer	MA	(5200-20200) 12220/-	04-07-2013	Permanent	OBC
13.	Driver	Sri Rohit Kumar	Driver	Matric	(5200-20200) 9830/-	22-05-2015	Permanent	OBC
14.	Driver	Sri Ravindra Yadav	Driver	Matric	14611/-(Consolidated)		Outsource	OBC
15.	Supporting staff	Smt. Laxmi Devi	Supporting staff	Non-Matric	11531/-(consolidated)		(Outsource)	SC
16.	Supporting staff	Sri Naulesh Kumar	Supporting staff	Matric	11531/-(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.	Goatry unit					Complete			ICAR
12.	Mushroom Lab								
13.	Mushroom production unit								
14.	Shade house								
15.	Soil test Lab								
16.	Others, Please Specify								
17.	Mali shade					Handed Over			NHM
18.	Farm Godown					Handed Over			RKVY
19.	Generator Room					Handed Over			RKVY
20.	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	2020	800000.00		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.	13.01.2020	39	Master plan of KVK campus should be discussed with BAU and BRPNN Team	Tender is under process. A meeting for this has been held on **30.09.2020** under the chairmanship of the Honorable Vice Chancellor.	
			Fruit and timber plant should be planted as per the master plan around the boundary of the KVK Campus.	The Forest Department has assured that plantation work will be done soon.	
			The process of auctioning of disposable machines, instruments, iron tools etc., kept in the center's premises, should be started immediately. At the same time, old building should be renovate .	it is under process and delayed due to Covid-19 infection.	
			Appropriate action should be taken to close the unauthorized path in the north-south direction of the center for security reasons. According to the land topography of the academic area of the campus	Necessary action is being taken at the level of District Megistrate, Gaya.	
			According to the land topography the campus, further demonstration should be done	Work is being done as directed. The techniques and techniques of the university were incorporated into the demonstration.	
			The subject matter specialist of Krishi Vigyan Kendra, Amas, Gaya-II and Manpur will provide mutual service in each other's work plan.	Work is being done as directed.	
			Technical experiment hypothesis should be done by any agencies like CRAP, ICAR/State ATMA so that farmers can get benefit.	Work is being done as directed. For the benefit of farmers, work is being done under the scheme and survey work is in progress by the agency appointed by BISA.	
			Horticulture, home science and plant protection scientists should be appointed in Krishi Vigyan Kendra.	Appointment of scientists of Horticulture, Home Science and Plant Protection is yet to be done.	
			Md. Zakir Hussain, subject matter specialist (Agromet) should be given the responsibility of work of Horticulture in addition to the original post, and the observer (Agromet) should be given work as per their qualification.	Additional work is given to Md. Zakir Hussain, subject matter specialist (Agromet) and observer	

			The meeting organized by the District Project Manager (CW), Jeevika, Gaya from time to time should be attended by the scientists / experts of the center in which the dissemination of technology related to agriculture can be easily carried out from house to house.	The meeting organized by the District Project Manager (Cd), Jeevika, Gaya was attended and Jeevika Group was involved in training and observation.	
			All the technical information related to the KVK should be made in a frame that is clear, should be put up for farmers to see.	Information related to technical demonstration has been put up as a banner in the premises of Krishi Vigyan Kendra.	
			According to the weather, Signage should be made according to crop-wise - Kharif, Rabi and summer etc.and a small banner should be made, which can also be provided to the farmers.	A crop-wise banner has been created.	
			Old farmers should be kept connected to the center.	Old farmers are being kept / connected to the center. Older farmers are included in the ex-trainees meet program.	
			RPL/BSDM training should be started as early as possible.	problems have arisen due to Corona virus infection, plans are to start from November and the center has been surveyed by the Labor Department.	
			The word 'weather' should be used in place of 'climate'.	The word 'weather' is being used in place of 'climate'.	
			Do Impact analysis OFT in one village so that new information can be obtained.	According to the instructions, OFT is proposed to do in one village.	
			only iodine should be kept in T O-II of OFT- 13	Same has been done	
			Under agronomy horticulture or vegetable production subject should be included	Worked as directed	
			Farmers should also adopt other weather friendly cropping method to save water.	Other weather-friendly cropping method has also been adopted by farmers. This year, KVK demonstrated maize, soybean, millet and ragi in CRAP.	
			To facilitate soil testing of farmers farm, soil testing laboratory should be made available at the center, so that farmers do not have to wander.	Soil testing of farmers is being done by mini kit at the KVK.	
2.	16.10.2020	63			

** Salient recommendation of SAC in bullet form*

Attach a copy of SAC proceedings along with list of participants

1. Hon'ble Director, ICAR, ATARI Zone-IV, Patna — Chairman
2. Hon'ble Asstt. DoEE, BAU, Sabour, Bhagalpur
3. Dr. S. B. Singh, Chief Scientist-cum-Univ. Prof., In-Charge Head, KVK, Amas, Gaya
4. Dr. Rajeev Singh, Senior Scientist & Head, KVK, Manpur, Gaya
5. Assistant Director, Chemistry, Gaya
6. DPM, JEEVIKA, Gaya
7. Assistant Director, Horticulture, Gaya
8. DAHO, Gaya
9. Assistant Director, Agronomy& Soil Conservation, Gaya
10. DAO, Gaya
11. A.D.P.P., Gaya
12. Sri Ravindra Kumar,Project Director, ATMA, Gaya
13. Sri Ganesh Ram, DFO, Gaya
14. Sri Neeraj Kumar Verma, Deputy, PD, ATMA, Gaya
15. Dilip Kumar, Zonal Manager, IFFCO, Gaya
16. Navin Kumar Sharma, BAO, Manpur
17. Pramod Gorain, PRAN Gaya
18. Sri Sanjay Singh, Progressive Farmer, Atri, Gaya
19. Sri Akhilesh Singh, Progressive Farmer, Palakiya, Sherghati, Gaya
20. Sri Vinod Kumar Singh, Progressive Farmer, Nawada, Sherghati, Gaya
21. Sri Piyush Raj, Progressive Farmer, Tarwan, Wazirganj, Gaya — SAC Member
22. Sri Ramesh Singh, Progressive Farmer, Ghareya, Wazirganj, Gaya — SAC Member
23. Sri Gopal Saw, Progressive Farmer, Bodhgaya, Gaya
24. Sri Amit Ranjan, Progressive Farmer, Bataspur, Gaya
25. Sri Priyanshu Ranjan, Progressive Farmer, Bataspur, Gaya
26. Sri Ashish Kumar Singh, Progressive Farmer, Tekari, Gaya — SAC Member
27. Sri Amit Gaurav, Key Worker, IFFCO, Gaya
28. Sri Subodh Kumar Singh, Magadh Dairy, Gaya — SAC Member
29. Sri Shyam Kumar Mehta, Progressive Farmer, Manpur, Gaya
30. Sri Vijay Sharma, Deputy Director (Ag.) , Farm, Gaya
31. Sri Birendra Singh,Progressive Farmer, Tetariya, Gaya
32. Smt. Sunita Devi, Progressive Farm women, Bhore, Gaya — SAC Member
33. Sri Mahesh Prasad, Magadh Vikas Bharti (NGO), Gaya
34. Sri Amrendra Kumar, Progressive Farmer, Manpur, Gaya

35. Sri Rohit Kumar, Progressive Farmer, Rasalpur, Gaya
36. Sri Shivendra Kushwaha, Progressive Farmer, Rasalpur, Gaya
37. Sri Sandeep Kumar, Progressive Farmer, Rasalpur, Gaya
38. Sri Wakil Singh, Progressive Farmer, Rasalpur, Gaya
39. Sri Rajnandan Singh, Progressive Farmer, Patharghatta, Gaya
40. Sri Raju Yadav, Progressive Farmer, Patharghatta, Gaya
41. Sri Sanjay Yadav, Progressive Farmer, Patharghatta, Gaya
42. Sri Ramswaroop Yadav, Progressive Farmer, Rasalpur, Gaya
43. Sri Brajendra Kumar, Kisan Salahkar, Rasalpur, Gaya
44. Sri Rajnath Yadav, Progressive Farmer, Mathiyapar, Gaya
45. Sri Indradeo Yadav, Progressive Farmer, Mathiyapar, Gaya
46. Sri Bikku Yadav, Progressive Farmer, Mathiyapar, Gaya
47. Md. Imtyaz, Progressive Farmer, Dumri, Gaya
48. Md. Rabbani, Progressive Farmer, Dumri, Gaya
49. Dr. Ashok Kumar, SMS (Ext. Edu.), KVK, Gaya
50. Mr. Devendra Mandal, SMS (Agronomy), KVK, Gaya
51. Dr. Anil Kumar Ravi, SMS (Ani. Sci.), KVK, Gaya
52. Mr. Sunil Kumar Choudhary, SMS (Ag. Ext.), KVK, Amas, Gaya
53. Mr. Praveen Kumar, SMS (PB & G), KVK, Amas, Gaya
54. Mohd. Zakir Hussain, SMS(Agromet), KVK, Gaya
55. Sri Mukesh Kumar, Farm Manager, KVK, Gaya
56. Smt. Neha, Prog. Asstt. (Lab. Tech.), KVK, Gaya
57. Sri Prem Kumar Thakur, Assistant, KVK, Gaya
58. Dr. Ved Prakash, Prog. Asstt. (Computer), KVK, Gaya
59. Sri Patwardhan Kumar, Stenographer, KVK, Gaya
60. Sri Sonu Kumar Ray, SRF(CRAP), KVK, Manpur, Gaya
61. Dr. Avinash Kumar, RA(CRAP), KVK, Manpur, Gaya
62. Sri Rohit Kumar, Driver, KVK, Gaya
63. Sri Omprakash Kumar, Agromet Observer, KVK, Gaya

    and all other progressive farmers.

2.a. District level data on agriculture, livestock and farming situation (2020)

Sl. No.	Items	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. 20	3.9	20.2	9.0	82.3
Feb. 20	19.0	25.6	11.8	68.0
Mar. 20	70.8	29.3	17.6	75.0
Apr. 20	5.0	36.3	21.8	45.2
May 20	24.1	35.0	23.1	51.0
June 20	234.3	34.5	25.9	82.6
July 20	198.7	32.9	26.0	86.1
Aug. 20	193.92	33.5	26.2	84.4
Sep. 20	153.99	33.6	25.4	83.5
Oct. 20	40.1	39.0	23.4	78.8
Nov. 20	2.5	29.6	15.4	75.2
Dec. 20	0.0	23.7	9.9	85.6

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 (2020)

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 Sr. Scientist & Head and SMS (in year 2020) 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. N.	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. Summary details of target and achievement of mandatory activities by KVK during the year 2020

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
10	**15**	**100**	**27**	**6**	**0**	**0**	**121**	**8**	**148**	**14**	**162**	**10**	**10**	**100**	**10**	**45**	**0**	**0**	**112**	**39**	**122**	**84**	**206**

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	**83**		**448**	**247**	**0**	**0**	**1217**	**225**	**1665**	**472**	**2137**	**6**	**7**	**175**	**72**	**16**	**0**	**0**	**206**	**45**	**278**	**61**	**339**

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
25	**30**	**8**	**1**	**0**	**0**	**18**	**3**	**26**	**4**	**30**	**20**	**25**	**6**	**1**	**0**	**0**	**16**	**2**	**22**	**3**	**25**

Seed production (q)		Planting material (in Lakh)	
Target	Achievement	Target	Achievement
250	**350**	**1000**	**0**

Livestock strains and fish fingerlings produced (in lakh)*		Soil, water, plant, manures samples tested (in lakh)	
Target	Achievement	Target	Achievement
10	**10**	**500**	**350**

* 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	4						
Books							
Bulletins	3	1500					
News letter	2	2000					
Popular Articles	7	800					
Book Chapter	13	200					
Extension Pamphlets/ literature	5	5000					
Technical reports	5						
Electronic Publication (CD/DVD etc)	1						
TOTAL							

3.1.1 Achievements on technologies assessed and refined

Please provide all the OFTs in same format

OFT-1 (Agronomy) (2019-20)

1.	**Title of On farm Trial**	Assess the foliar application of potassium nitrate in late sown wheat for mitigation of terminal heat stress
2.	**Problem diagnosed**	Low yield in late sown wheat due to terminal heat stress
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	Farmers Practice (FP): General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray Technology option-I (TO-I): Foliar spray 0.5% KNO_3 at booting and 0.5% KNO_3 at anthesis stage Technology option-II (TO-II): Foliar spray 1.0 % KNO_3 at anthesis stage
4.	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	BAU, Sabour
5.	**Production system and thematic area**	Rice-Wheat (ICM)
6.	**Performance of the Technology with performance indicators**	1. No. of grains/ earhead 2. Test weight (gram) 3. Green yield Q/ha 4. Economics
7.	**Final recommendation for micro level situation**	Foliar application of KNO_3solution helps in mitigating terminal heat stress
8.	**Constraints identified and feedback for research**	KNO3 is not easily available in market. Most of the dealer has no license to sell this fertilizer. Dose and frequency if feasible should increase.
9.	**Process of farmers participation and their reaction**	Farmers are convinced with the effect of application of this fertilizer as foliar spray in wheat crop which can protect from heat stress.

Thematic area: ICM

Problem definition: Low yield in late sown wheat due to terminal heat stress

Technology assessed:

FP – General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray
TO_1 - Foliar spray 0.5% KNO_3 at booting and 0.5% KNO_3 at anthesis stage
TO_2 – Foliar spray 1.0 % KNO_3 at anthesis stage

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 effective tillers/m^2	**Grains per earhead**	**Test wt. (1000 grain wt.)**					
FP	06	223.00	44.20	36.10	30.70	27670	55120	27450	1.99
TO I		262.50	49.40	38.90	34.10	28890	61560	32670	2.13
TO II		244.40	46.10	38.10	32.80	28970	58780	29970	2.04

Results: Under different technological option in late sown wheat, results revealed that foliar application of (KNO_3) potassium nitrate solution @ 0.5% at two growth stages of crop i.e., booting and anthesis (TO_1) recorded higher yield (34.10 q/ha), net return Rs. 32670/ha and B:C ratio 2.13 closely followed by TO_2 (1% KNO_3 at anthesis stage only)

OFT-2(Agronomy) (2019-20)

1.	**Title of On farm Trial**	Assessment of different cropping system in south Bihar
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 - Farmers Practice (FP): Rice-Wheat-Fallow TO_2 –Rice-Wheat-Greengram TO_3 –Rice-Mustard-Greengram
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**	Yield attributes, Net return, B:C ratio
7.	**Final recommendation for micro level situation**	Maximum gross income (Rs 209522/ha), net return (Rs 146072/ha) and B:C ratio were recorded with rice-mustard-greengram cropping system fallowed by rice-wheat-moong cropping system over rice- wheat cropping system.
8.	**Constraints identified and feedback for research**	
9.	**Process of farmers participation and their reaction**	Training and gosthi

Thematic area: Cropping system

Problem definition: Low profitability of Rice-Wheat cropping system

Technology assessed:

TO_1 – Rice-Wheat-Fallow
TO_2 –Rice-Wheat-Greengram
TO_3 –Rice-Mustard-Greengram

Table:

Treatment	Replication	Yield (q/ha)			
		Rice	Wheat	Mustard	Greengram
TO_1 - Farmer Practice (Rice-wheat)	7	42.63	23.87	-	-
TO_2 –Rice- Wheat- Greengram		45.95	32.64	-	7.32
TO_3 –Rice-Mustard-Greengram		46.82	-	12.57	12.14

Treatment	Replication	Cost of cultivation					Gross Income(Rs)					Net Income(Rs)	B:C
		Rice	Wheat	Lentil	Moong	Total	Rice	Wheat	Lentil	Moong	Total		
TO_1	7	32150	28500	-	-	60650	78866	39385.5	-	-	118251	57601	1.9497
TO_2		32150	28500	-	16100	76750	85008	53856	-	47580	186444	109694	2.4292
TO_3		32150	-	15200	16100	63450	86617	-	43995	78910	209522	146072	3.3022

Results: Maximum gross income (Rs 209522/ha), net return (Rs 146072/ha) and B:C ratio were recorded with rice-mustard-greengram cropping system fallowed by rice-wheat-moong cropping system over rice- wheat cropping system.

OFT- 3 (Agronomy) (2019-20)

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 productivity of lentil
3	**Details of Technologies selected for Assessment (Mention either Assessed or Refined)**	Farmer Practice - (Use of 20:40:0Kg NPK/ha & No use of WSF) TO_1 – 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_2 – 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**	Rice-lentil Production System & Integrated crop management
6	**Performance of the Technology with performance indicators**	Yield attributes, Yield, Economics
7	**Final recommendation for micro level situation**	Data revealed that maximum grain yield 8.1 q/ha, net return Rs. 23085/ha and B:C ratio recorded with TO2(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)) treatment followed by TO1(Basal application of 20:40:0kgNPK/ha +one spray of WSF NPK (18:18:18/ha) at 40DAS (1% NPK solution spray at 40DAS)) treatment over farmer practice.
8	**Constraints identified and feedback for research**	
9	**Process of farmers participation and their reaction**	Training & OFT

Thematic area: ICM

Problem definition:

Technology assessed:

TO-I: Farmer Practice - (Use of 20:40:0Kg NPK/ha & No use of WSF)
TO-II: 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-III: 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: Effect of water soluble fertilizer NPK (18:18:18) for increasing yield and economics of lentil

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	5	6.10	6.10	15400	12050	1.78
TO_1		7.8	8.35	15800	21775	2.37
TO_2		8.1	8.73	16200	23085	2.42

Result: Data revealed that maximum grain yield 8.1 q/ha, net return Rs. 23085/ha and B:C ratio recorded with TO2 treatment followed by TO1 treatment over farmer practice.

OFT- 4 (Extension Education) (2019-20)

1.	**Title of On farm Trial**	Impact assessment of CFLD among farmers of Gaya district.
2.	**Problem diagnosed**	Low yield in pulses due to low level of adoption of recommended technologies.
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	1.Level of knowledge 2. Level of adoption 3. Increase in Area (ha) 4. Increase in Yield (qt/ha) 5. Problems
4.	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	BAU Sabour
5.	**Production system and thematic area**	Crop production
6.	**Performance of the Technology with performance indicators**	i) Level of knowledge ii) Level of adoption iii) Yield (qt/ha) iv) Problem
7.	**Final recommendation for micro level situation**	Farmers of the district need to be motivated through CFLD as there was an increase in level of knowledge and adoption of recommended package of practices which ultimately leading to increase in the area and yield of lentil in the district.
8.	**Constraints identified and feedback for research**	Many farmers do not use recommended technologies of lentil as input due to lack of money.
9.	**Process of farmers participation and their reaction**	Farmers were very cooperative and enthusiastic. They participated actively in the activities and gave positive response

Thematic area: Crop production

Problem definition: Low productivity due to unavailability of sufficient nutrients

Technology assessed:

Farmers Practice (FP): No bio-fertilizers used by the farmers
Technology option-I (TO-I): Seed treatment with PSB + soil application of azotobactor @ 4-5 kg/ha
Technology option-II (TO-II): Seed treatment with azotobactor + soil application of PSB @ 4-5 kg/ha
Technology option-III (TO-III): Soil application of PSB @ 4-5 kg/ha + soil application of azotobactor @ 4-5 kg/ha

Table:

Crop	Sample size	Level of knowledge			Level of adoption			Area (Ha)			Yield (Qt/ha)		
Lentil	50	Non-CFLD Beneficiaries	CFLD Beneficiaries	% Change	Non-CFLD Beneficiaries	CFLD Beneficiaries	% Change	Non-CFLD Beneficiaries	CFLD Beneficiaries	% Change	Non-CFLD Beneficiaries	CFLD Beneficiaries	% Change
		15.64	32.04	51.20	13.34	29.62	55.06	0.40	1.96	79.59	11.10	8.80	20.72

Problems identified as:

Items	**Ranking**
Root rot	I
Severe infestation of Cascuta	II
Non availability of post- emergent weedicides	III
Non availability of labourers as and when needed	IV
Lack of reliability on quality seeds	V
Change in Climate	VI

Result: The table reveals that, as compared to Non- beneficiaries under CFLD, the level of knowledge (32.04) and adoption level (29.62) found higher and also the area under the recommended technologies increase to 79.59% and there was increase in yield of 20.72%. The most important problems related to lentil cultivation was infestation of root rot followed by severe infestation of *Casccuta*.

OFT-5 (Extension Education) (2019-20)

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**	i) Level of knowledge ii) Level of adoption iii) Yield (qt/ha) iv) BCR
7.	**Final recommendation for micro level situation**	In order to get more yield & higher level of knowledge & adoption, more appropriate extension teaching methods should be applied to motivate them toward adoption of recommended package of practices.
8.	**Constraints identified and feedback for research**	Many farmers not adopting the recommended package of practices due to lack of money to buy required inputs
9.	**Process of farmers participation and their reaction**	Farmers were very cooperative and enthusiastic. They participated actively in the activities and gave positive response

Thematic area: Crop production

Problem definition: Low level of adoption of recommended package of practices of wheat resulting in its low yield

Technology assessed:

Farmers Practice (FP): Existing local variety
Technology option-I (TO-I): Improved variety given to marginal farmers
Technology option-II (TO-II): Improved variety given to small farmers
Technology option-III (TO-III): Improved variety given to medium + large farmers

Table:

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs./ha)	Net return (Rs./ha)	BC ratio
PF	10	29.6	27757	55500	27763	2.0
TO_1		35.0	28161	65625	37464	2.3
TO_2		35.0	28040	65625	37585	2.3
TO_3		36.6	29121	68625	39504	2.4

Technology option	Level of knowledge	Change in level of knowledge	Level of adoption	Change in level of adoption
PF	16.7	-	13.2	-
TO_1	33.3	31.9	23.9	21.4
TO_2	37.7	37.4	25.2	25.0
TO_3	40.6	47.8	30.3	34.2

Results: The table reveals that medium and large farmer categories (TO_3) perform the best with maximum yield of 36.6 q/ha and BC ratio 2.4. Further, medium and large categories of farmers (TO_3) also has highest change in level of knowledge (47.8%) and adoption (34.2%) w.r.t. farmers practice.

OFT- 6 (Veterinary)(2019-20)

1	**Title**	Assessment of different preventive method of subclinical mastitis control in cattle.
2	**Problem diagnosed**	Reoccurring of sub clinical mastitis in cattle
3	**Technological option**	Farmers Practice (FP): Use of water to clean teat Technology option-I (TO-I): Use of teat dip (iodine) Technology option-II (TO-II): Use of antioxidant & trace mineral, vitamin E and selenium
4	**Source of Technology**	Postgraduate institute of veterinary and animal Science, Akola
5	**Replication**	10
6	**Production system and thematic area:**	Semi-intensive & Disease management
7	**Performance of the technology with performance indicators**	Occurrence of subclinical mastitis tested by BTB strip
8	**Constraints identified**	
9	**Process of Farmer Participation**	Training & OFT

Thematic area: Disease management

Problem definition: Postpartum infertility in cattle

Technology assessed:

Farmer Practice (FP) - Dewormer + Mineral Mixture @ 50 gm/day
TOI – FP + Inorganic Phosphorus Inj. + Vitamin AD_3E Inj. @ 10 ml alternate day + Micro-minerals 1 Bolus for 28 days
TO II – FP + TOI + GnRH Inj. @ 5 ml at the time of AI

Table:

Technology option	**No. of trials**	Occurrence of subclinical mastitis
TO_1	10	8
TO_2		2
TO_3		5

Results: Results shows that use of teat dip after milking is more effect in controlling subclinical mastitis in cattle

OFT- 7 (Veterinary) (2019-20)

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: Disease management

Problem definition: Reoccurring of sub clinical mastitis in cattle

Technology assessed:

Farmers Practice (FP): Use of water to clean teat
Technology option-I (TO-I): Use of teat dip
Technology option-II (TO-II): Use of antioxidant & trace mineral, vitamin E and selenium

Table:

Technology option	No. of trials	Disease/ insect pest incidence (%)	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	10		6.14	7050	14730	7680	2.09
TO I			6.80	7310	16320	9010	2.23
TO II			7.55	8010	18120	10110	2.26

Results: After assessing different technologies result shows that urea molasses multi nutrient block in more beneficial for farmers

OFT- 1 (Agronomy) (2020-21)

1	**Title of On Farm Trial**	To access the suitable management of false smut on paddy
2	**Thematic Area**	Integrated disease management
3	**Details of Technologies selected for Assessment**	TO_1 – Farmer Practice - Seed treatment with carbendazim @ 2gm/kg seed TO_2 – Seed treatment with tricyclazole 75 wp @ 2gm/kg of seed followed by 2 spray of propyconazole 25 E.C. @ 2 ml/litre of water at the time of emergence of panicle and 2^{nd} spray at panicle completely emerge. TO_3 –Two spray of chalorthalonil 75 WP @ 2 gm/litre of water at the time of emergence of panicle and 2^{nd} spray at panicle completely emerge.
4	**Source of Technology**	Directorate of rice research, Hydrabad
5	**Performance Indicator**	Yield attributes, Yield, Disease incidence, Economics
6	**Replication**	10
7	**Production system and thematic area**	Rice-Wheat Production System Integrated disease management
8	**Constraints identified**	
9	**Process of Farmer Participation**	Training

Thematic area: ICM

Problem definition: Low yield and quality of paddy due to high infestation of false smut.

Technology assessed:

TO-I: Farmer Practice - Seed treatment with carbendazim @ 2gm/kg seed
TO-II: Seed treatment with tricyclazole 75 wp @ 2gm/kg of seed followed by 2 spray of propyconazole 25 E.C. @ 2 ml/litre of water at the time of emergence of panicle and 2nd spray at panicle completely emerge.
TO-III: Two spray of chalorthalonil 75 WP @ 2 gm/litre of water at the time of emergence of panicle and 2nd spray at panicle completely emerge.

Table:

Technology option	No. of trials	Disease incidence %	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	10	25.3	39.5	30125	74576	44451	2.48
TO I		4.1	45.8	31300	86470	55170	2.76
TO II		8.5	42.3	31300	79862	48562	2.55

Result: Results revealed that paddy seed treated with tricyclazole followed by two spray of propyconazole recorded highest yield (45.8 q/ha) and BC ratio 2.76 followed by two spray of chalorthalonil recorded as 42.3 q/ha and BC ratio 2.55 over farmer practice. The observation on false smut infestation was recorded lowest 4.1% with seed treatment with tricyclazole 75 wp @ 2gm/kg of seed followed by 2 spray of propyconazole 25 E.C. @ 2 ml/litre of water at the time of emergence of panicle and 2nd spray at panicle completely emerge followed by chalorthalonil 8.5% over farmer practice 25.3%.

OFT- 2 (Agronomy) (2020-21)

1.	**Title of On farm Trial**	Assessment of different cropping system in south Bihar
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 - Farmers Practice (FP): Rice-Wheat-Fallow TO_2 –Rice-Wheat-Greengram TO_3 –Rice-Mustard-Greengram
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**	Yield attributes, Net return, B:C ratio
7.	**Final recommendation for micro level situation**	Maximum gross income (Rs 209522/ha), net return (Rs 146072/ha) and B:C ratio were recorded with rice-mustard-greengram cropping system fallowed by rice-wheat-moong cropping system over rice- wheat cropping system.
8.	**Constraints identified and feedback for research**	
9.	**Process of farmers participation and their reaction**	Training and gosthi

Thematic area: Crop system

Problem definition: Low profitability of Rice-Wheat cropping system

Technology assessed:

TO_1 – Rice-Wheat-Fallow
TO_2 –Rice-Wheat-Greengram
TO_3 –Rice-Mustard-Greengram

Table:

Treatment	Replication	Yield (q/ha)			
		Rice	Wheat	Mustard	Greengram
TO_1 - Farmer Practice (Rice-wheat)	7	41.85			
TO_2 –Rice- Wheat- Greengram		46.10			
TO_3 –Rice-Mustard-Greengram		46.58			

Treatment	Replication	Cost of cultivation					Gross Income(Rs)					Net Income(Rs)	B:C
		Rice	Wheat	Lentil	Moong	Total	Rice	Wheat	Lentil	Moong	Total		
TO_1	7												
TO_2													
TO_3													

Results: Wheat at tillering stage, mustard at branching stage.

OFT-3 (Agronomy) (2020-21)

1.	**Title of On farm Trial**	Assess the foliar application of potassium nitrate in late sown wheat for mitigation of terminal heat stress
2.	**Problem diagnosed**	Low yield in late sown wheat due to terminal heat stress
3.	**Details of technologies selected for assessment/refinement (Mention either Assessed or Refined)**	Farmers Practice (FP): General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray Technology option-I (TO-I): Foliar spray 0.5% KNO_3 at booting and 0.5% KNO_3 at anthesis stage Technology option-II (TO-II): Foliar spray 1.0 % KNO_3 at anthesis stage
4.	**Source of Technology (ICAR/ AICRP/SAU/other, please specify)**	BAU, Sabour
5.	**Production system and thematic area**	Rice-Wheat
6.	**Performance of the Technology with performance indicators**	1. No. of grains/ earhead 2. Test weight (gram) 3. Green yield Q/ha 4. Economics
7.	**Final recommendation for micro level situation**	Foliar application of KNO_3solution helps in mitigating terminal heat stress
8.	**Constraints identified and feedback for research**	KNO3 is not easily available in market. Most of the dealer has no license to sell this fertilizer. Dose and frequency if feasible should increase.
9.	**Process of farmers participation and their reaction**	Farmers are convinced with the effect of application of this fertilizer as foliar spray in wheat crop which can protect from heat stress.

Thematic area: ICM

Problem definition: Low yield in late sown wheat due to terminal heat stress

Technology assessed:

FP – General cultivation of late sown wheat (during 2nd fortnight of Dec.) without any foliar spray
TO_1 - Foliar spray 0.5% KNO_3 at booting and 0.5% KNO_3 at anthesis stage
TO_2 – Foliar spray 1.0 % KNO_3 at anthesis stage

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 effective tillers/m^2	**Grains per earhead**	**Test wt. (1000 grain wt.)**					
FP	06								
TO I									
TO II									

Results: Wheat at tillering stage

OFT- 4 (Agronomy) (2020-21)

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	**Thematic Area**	Integrated crop management
3	**Details of Technologies selected for Assessment**	Farmer Practice - (Use of 20:40:0Kg NPK/ha & No use of WSF) TO_1 – 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_2 – 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**	NDUA&T , Ayodhya
5	**Performance Indicator**	Yield attributes, Yield, Economics
6	**Replication**	5
7	**Production system and thematic area**	Rice-lentil Production System & Integrated crop management
8	**Constraints identified**	
9	**Process of Farmer Participation**	Training & OFT

Thematic area: ICM

Problem definition:

Technology assessed:

TO-I: Farmer Practice - (Use of 20:40:0Kg NPK/ha & No use of WSF)
TO-II: 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-III: 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: Effect of water soluble fertilizer NPK (18:18:18) for increasing yield and economics of lentil

Technology option	No. of trials	Yield (q/ha)	Cost of cultivation (Rs./ha)	Gross return (Rs/ha)	Net return (Rs./ha)	BC ratio
FP	5					
TO_1						
TO_2						

Result: Lentil at branching stage.

OFT- 5 (Extension Education)(2020-21)

1	**Title**	Assessment of effect of Bio-fertilizers on the yield performance of paddy
2	**Problem diagnosed**	Low productivity due to unavailability of sufficient nutrients
3	**Technological option**	Farmers Practice (FP): No bio-fertilizers used by the farmers Technology option-I (TO-I):Seed treatment with PSB + soil application of azotobactor @ 4-5 kg/ha Technology option-II (TO-II): Seed treatment with azotobactor + soil application of PSB @ 4-5 kg/ha Technology option-III (TO-III): Soil application of PSB @ 4-5 kg/ha + soil application of azotobactor @ 4-5 kg/ha
4	**Source of Technology**	BAU, Sabour
5	**Replication**	10
6	**Production system and thematic area:**	Paddy-Wheat-Green gram & Crop production
7	**Performance of the technology with performance indicators**	i. Plant height ii. No. of tillers/plant iii. No. of seed/spikelet iv. Yield (qt/ha) v. Net Return (Rs/ha) vi. BCR
8	**Constraints identified**	Unavailability of Bio fertilizers in the local markets well in time.
9	**Process of Farmer Participation**	Training & OFT

Thematic area: ICM

Problem definition: Low productivity due to unavailability of sufficient nutrients

Technology assessed:

TO-I: Seed treatment with PSB + soil application of azotobactor @ 4-5 kg/ha
TO-II: Seed treatment with azotobactor + soil application of PSB @ 4-5 kg/ha
TO-III: Soil application of PSB @ 4-5 kg/ha + soil application of azotobactor @ 4-5 kg/ha

Table:

Technology option	No. of trials	Variety	No. of tillers/ sq. m	Grains/ panicle	1000 grain wt. (gm.)	Yield (q /ha)	Gross Cost (Rs./ ha)	Gross Return (Rs./ ha)	Net Return (Rs./ ha)	BCR
Farmers Practice	10	R. Sweta	224.2	248.1	16.33	36.39	32930	52765	19835	1.60
Tech.Option-I			236.6	272.3	16.34	40.46	33358	58667	25309	1.75
Tech.Option-II			237.1	261.2	16.37	41.20	33270	59740	26020	1.79
Tech.Option-III			241.3	272.2	16.37	45.90	34192	65250	31058	1.91

Result: The above table reveals that the Tech. Option III (Soil application of PSB @ 4-5 kg/ha + soil application of azotobactor @ 4-5 kg/ha) gave the highest yield of 45.90 qt/ha. and the maximum BCR of 1.91. Hence, soil application of PSB and azotobactor should be recommended and motivated farmers for better yield.

OFT- 6 (Extension Education)(2020-21)

1	**Title**	Assessment on awareness and perception of farmers about Soil Health Card
2	**Problem diagnosed**	Only few farmers are aware about importance and benefits of Soil Health Card
3	**Technological option**	Farmers Practice - Farmers having no Soil Health Card not applying recommended dose of fertilizer. Option I – Recommendation of fertilizer application through training/ group meeting. Option II - Recommendation of fertilizer application through Soil Health Card.
4	**Source of Technology**	BAU, Ranchi, Jhakhand
5	**Replication**	30
6	**Production system and thematic area:**	Paddy-Wheat-Green gram and Capacity building
7	**Performance of the technology with performance indicators**	i. Level of knowledge (%) ii. Level of adoption (%) iii. Yield (qt./ha) iv. BCR
8	**Constraints identified**	Low reliability on SHC and Difficulty in calculation of fertilizer dose,
9	**Process of Farmer Participation**	Training, Group discussion and positive response of farmers.

Thematic area: Capacity building

Problem definition: Only few farmers are aware about importance and benefits of Soil Health Card

Technology assessed:

Farmers Practice - Farmers having no Soil Health Card not applying recommended dose of fertilizer.
TO-I: Recommendation of fertilizer application through training/ group meeting.
TO-II: Recommendation of fertilizer application through Soil Health Card.

Table:

Tech. Option	No. of trial	Level of knowledge (%)	Level of adoption (%)	Yield (qt./ha)	Cost of cultivation (Rs/ha)	G.Return (Rs/ha)	Net Return (Rs/ha)	BC Ratio
Farmers Practice - Farmers having no Soil Health Card and not applying recommended dose of fertilizers.	30	23	10	29.26	29000	38077	9077	1.31
Option I – Recommendation of fertilizer application through training/ group meeting.		43	30	37.25	31200	54013	22813	1.73
Option II - Recommendation of fertilizer application through Soil Health Card.		51	41	43.16	32640	62582	29942	1.92

Result: The data in table reveals that Tech. option-II i.e. application of fertilizer as per recommendation through SHC is more effective in increasing level of knowledge (51%), adoption (41%) with highest B C Ratio of 1.92 than recommendation of fertilizer given through training/ group discussion. Hence, more and more farmers should be motivated to have SHC.

OFT- 7 (Veterinary) (2020-21)

1	**Title**	Comparative assessment of hormone (GnRH) and mineral mixture supplement for improving postpartum anestrus in cattle
2	**Problem diagnosed**	Postpartum infertility in cattle
3	**Technological option**	Farmer Practice (FP) - Dewormer + Mineral Mixture @ 50 gm/day TOI – FP + Inorganic Phosphorus Inj. + Vitamin AD_3E Inj. @ 10 ml alternate day + Micro-minerals 1 Bolus for 28 days TO II – FP + TOI + GnRH Inj. @ 5 ml at the time of AI
4	**Source of Technology**	BVC, Patna
5	**Replication**	10
6	**Production system and thematic area:**	Semi-intensive & Disease management
7	**Performance of the technology with performance indicators**	No. of animal came in heat, No. of animal pregnant,
8	**Constraints identified**	
9	**Process of Farmer Participation**	Training & OFT

Result: OFT is in progress.

OFT- 8 (Veterinary) (2020-21)

1	**Title**	Assessment of different preventive method of subclinical mastitis control in cattle.
2	**Problem diagnosed**	Reoccurring of sub clinical mastitis in cattle
3	**Technological option**	Farmers Practice (FP): Use of water to clean teat Technology option-I (TO-I): Use of teat dip (iodine) Technology option-II (TO-II): Use of antioxidant & trace mineral, vitamin E and selenium
4	**Source of Technology**	Postgraduate institute of veterinary and animal Science, Akola
5	**Replication**	10
6	**Production system and thematic area:**	Semi-intensive & Disease management
7	**Performance of the technology with performance indicators**	Occurrence of subclinical mastitis tested by BTB strip
8	**Constraints identified**	
9	**Process of Farmer Participation**	Training & OFT

Result: OFT is in progress.

3.1.2 Technology Assessed by KVK (Discipline wise)

Sl. No.	Discipline	Thematic areas	No. of the technologies (Technology Interventions)	No. of trials	No. of Locations
1.	Crop Production	Integrated disease management	1	10	5
		Integrated crop management	3	21	10
		Cropping system	1	7	5
2.	Livestock	Disease management	1	10	5
		Feed Management	1	10	5
3.	Enterprises	Entrepreneurship development			
		Capacity building	1	30	5
4.	Women Empowerment				

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 2019-20	RCT	ZTD (DBW – 14)	5.0	5.0	2	1	0	0	8	1	10	2	12	
2.	Paddy 2020-21	DSR	Zero till paddy (R. Sweta)	5.0	5.0	3	0	0	0	10	1	13	1	14	
3.	Paddy 2020-21	ICM	Transplanting (Sahbhagi)	4.0	4.0	1	3	0		4	1	5	4	9	
4.	Wheat 2020-21	ICM	Bio-fortified seed, BHU-31, BHU-25, WB-02	6.0	6.0	4	1	0	0	7	1	11	1	12	

Details of farming situation

Sl. No.	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					
1	Wheat	Rabi 2019 - 20	Irrigated	Clay loam	197.4	21.2	252.6	Paddy	2 Dec. 2019	15 Apr 2020	45	6
2	Paddy	Kharif 2020 - 21	Irrigated	Clay loam	198.5	18.6	298.1	Wheat	10 June 2020	28 Nov 2020	850	41
3	Paddy	Kharif 2020 - 21	Rainfed	Clay loam	192.7	19.5	291.3	Moong	12 July 2020	25 Oct 2020	850	41
4	Wheat	Rabi 2020-21	Irrigated	Clay loam	193.4	20.3	254.6	Paddy	15 Dec. 2021	-	0	0

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.

B. 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 2019-20	RCT	DBW – 14	16	4	36.82	29.8	20.69			36890	94878	57988	2.57	34640	75365	41005	2.17
Paddy 2020-21	RCT	R. Sweta	14	5	41.65	36.39	13.63			42160	87882	45722	2.0	43420	80792	37372	1.86
Paddy 2020-21	ICM	Sahbhagi	9	4	39.29	35.26	11.42			41630	74970	33340	1.8	42220	71390	29170	1.69
Wheat 2020-21	ICM	BHU-31, BHU-25, WB-02	12	5	Crop standing												
Cabbage 2020-21	HYVs	Mahy 139	23	1	Ongoing												
Chickpea 2020-21	ICM	Bio-fertilizer	25	10	Crop standing												
	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 2020-21	Dairy management	Cheleted mineral mixture	20	ongoing													
Cow																	
Buffalo																	
Poultry																	
Rabbitry																	
Pigerry																	
Sheep and goat																	
Duckery																	
Others (Pl. specify)																	
Fodder 2019-20	Fodder production	Makhan Grass	17	0.2	8.5	7.25	17.2			6746	15350	8604	2.28	6746	13250	6540	1.96
Fodder 2020-21	Fodder production	Makhan Grass	20	First cutting has been done													
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 2019-20	Button mushroom	84	94	3.1 kg/bag	2.0 kg/bag	35.5			85	310	225	3.6	60	160	100	2.6
Button mushroom 2020-21	Button mushroom	50	250	Ongoing												
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)			
				Demo	Local check	% change	Gross Cost	Gross Return	Net Return	BCR
Cereals										
Bajra										
Maize										
Paddy										
Sorghum										
Wheat										
Others (Pl. specify)										
Total Cereals										
Oilseeds										
Castor										
Mustard										
Safflower										
Sesame										
Sunflower										
Groundnut										
Soybean										
Others (Pl. specify)										
Total Oilseeds										
Pulses										
Greengram										
Blackgram										
Bengalgram										
Redgram										
Others (Pl. specify)										
Total Pulses										
Vegetable crops										
Bottle gourd										
Capsicum										
Cucumber										
Tomato										
Brinjal										
Okra										
Onion										
Potato										
Field bean										
Others (Pl. specify)										

Total Veg. Crops										
Commercial Crops										
Cotton										
Coconut										
Others (Pl. specify)										
Total Commercial Crops										
Fodder crops										
Napier (Fodder)										
Maize (Fodder)										
Sorghum (Fodder)										
Others (Pl. specify)										
Total Fodder Crops										

Technical Feedback on the demonstrated technologies

Sl. No	Crop	Feed Back
1.	Wheat (DBW – 14)	Gives maximum yield (36.82 q/ha) in late sown condition
2.	Paddy (R. Sweta)	Gives maximum yield (42.1 q/ha) in irrigated condition
3.	Paddy (Sahbhagi)	Gives maximum yield (37.1 q/ha))in draught condition
4.	Cabbage	-
5.	Makhan Grass	
6.	Button mushroom	Gives average yield of 3.1 kg/bag

Extension and Training activities under FLD

Sl.No.	Activity	Date	No. of activities organized	Number of participants	Remarks
1.	Field days	28.02.2020, 02.03.2020	2	64	Field days on lathyrus and chickpea
2.	Farmers Training	19.10.2020, 20.10.2020	2	126	Kisan gosthi on the production technology of lathyrus
3.	Media coverage	21.10.2020	3	Mass	Kisan gosthi on the production technology of lathyrus
4.	Training for extension functionaries	01.03.2020, 20.03.2020	2	38	Mass spread of lathyrus and greengram

Performance of the demonstration under CFLD on Pulse and Oilseed Crops during Kharif and Rabi: (2019-20)

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	Kala Sona	9.2	1030	1290	1350	RGN-48 + Herbicide, insecticide, sulphur and micro-nutrients	375	150	15.75	11.2	13.33	11.9	32.5	46.7
2.	Chickpea	Desia	11.30	1190	1217	1880	PG – 186	25	10	20.2	14.6	17.4	5.3	7.6	66.3
3.	Lentil	Titki	8.3	960	1147	1560	HUL - 57	25	10	17.6	10.4	14.0	15.6	38.2	88.0
4.	Fieldpea	Chotki matar	10.85	1195	1225	1825	IPFD 10-12	25	10	20.5	15.2	17.85	11.13	12.9	68.2
5.	Pigeonpea	Laldana	11.6	1245	1667	1790	IPA 203 + Herbicide, Bio-fertilizer & Sulphur	25	10	15.6	9.3	12.45	7.3	43.7	54.3
6.	Blackgram	Kaladana	6.2	672	692	777	IPU 2 - 43 + Herbicide, Bio-fertilizer & Sulphur	25	10	12.7	8.42	10.56	8.38	11.6	25.3
7.	Greengram	Haradana	6.3	690	705	780	PDM-139	25	10	8.2	6.5	7.35	9.5	11.9	23.8

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 + Herbicide, insecticide, sulphur and micro-nutrients	16160	38800	22640	2.4	18440	53600	33600	2.7
2.	PG – 186	20600	53000	32400	2.57	26710	87000	60290	3.26
3.	HUL - 57	19850	43860	24610	2.28	24390	60200	38810	2.81
4.	IPFD 10-12	20320	63000	42680	3.1	26970	107100	80130	3.97
5.	IPA 203 + Herbicide, Bio-fertilizer & Sulphur	18690	45500	26810	2.43	21340	64740	43400	3.03
6.	IPU 2 - 43 + Herbicide, Bio-fertilizer & Sulphur	20760	47400	26640	2.28	23910	63360	39450	2.64
7.	PDM-139	19220	41000	21780	2.19	17690	32500	14810	1.83
8.	RH - 0749								
9.	PG - 186								
10.	HUL - 157								
11.	IPF -04-09								
12.	IPA 203 + Herbicide, Bio-fertilizer & Sulphur								

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	13330	1180	40	Hardly 5 kg	2	Medical treatment	2
2	Chickpea & PG – 186	17400	1650	48	40	20	Child education	1
3	Lentil & HUL - 57	14000	1225	46	10	10	To meet own family needs	2
4	Fieldpea & IPFD 10-12	17850	1320	60	40	20	To meet own family needs	1
5	Pigeonpea & IPA 203	12450	800	50	10	8	To meet own family needs	1
6	Blackgram & IPU 2 - 43	10560	420	60	10	5	To meet own family needs	1
7	Greengram & PDM-139	7350	426	80	8	4	To meet own family needs	1

D. Oilseed and pulse 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
Oilseed							
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
Pulse							
2							
3	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
4	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 be increased • More area should be allotted to KVK, Gaya under this crop due to liking by the farmers
5.	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

E. Specific Characteristics of Technology and Performance

Specific Characteristic	Performance	Performance of Technology vis-a vis Local Check	Farmers Feedback
Crop – 1 Mustard			
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
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 : Fieldpea			
Crop – 5 : Piegonpea			
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 – 6 : Blackgram			
Crop – 7 : Greengram			

F. Extension activities under FLD conducted:

Sl. No.	Extension Activities organized	Date and place of activity	Number of farmer attended
1	Field days	28.02.2020 Piyar	40
		02.03.2020 Jamdi	24
2	Training	15.06.2020 KVK	20
		09.11.2020 KVK	15
		10.11.2020 KVK	20
		19.11.2020 KVK	29

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

1. Mustard

2. Chickpea

3. Lentil

4. **Fieldpea**

5. **Pigeonpea**

6. **Blackgram**

7. **Greengram**

H. Farmers' training photographs

1. Mustard

2. Chickpea

3. Lentil

4. Fieldpea

5. Pigeonpea

6. Blackgram

7. Greengram

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

Chickpea **Mustard**



J. Details of budget utilization

Crop (provide crop wise information)	Items	Budget Received (Rs.)	Budget Utilization (Rs.)	Balance (Rs.)
	i) Critical input			
	ii) TA/DA/POL etc. for monitoring			
	iii) Extension Activities (Field day)			
	iv)Publication of literature			
	Total			

Cluster Frontline Demonstrations (2019-20 & 2020-21)

Sl. No.	Crop demonstrated	Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Farmer's Existing plot				Demonstration plot			
					Max.	Min.	Av.	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.	Mustard	R-Suflam + Herbicide, insecticide and sulphur and micro-nutrients	375	150	15.75	11.2	13.33	18500	37280	18780	2.01	19720	53320	33600	2.7
2.	Chickpea	PG – 186	25	10	20.2	14.6	17.4	20600	53000	32400	2.57	26710	87000	60290	3.26
3.	Lentil	HUL - 57	25	10	17.6	10.4	14	19850	43860	24610	2.28	24390	60200	38810	2.81
4.	Fieldpea	IPFD 10-12	25	10	20.5	15.2	17.85	20320	63000	42680	3.1	26970	107100	80130	3.97
5.	Pigeonpea	IPA 203 + Herbicide, Bio-fertilizer & Sulphur	25	10	15.6	9.3	12.45	18690	45500	26810	2.43	21340	64740	43400	3.03
6.	Blackgram	IPU 2 - 43 + Herbicide, Bio-fertilizer & Sulphur	25	10	12.7	8.42	10.56	20760	47400	26640	2.28	23910	63360	39450	2.64
7.	Greengram	PDM-139	25	10	8.2	6.5	26.15	19220	41000	21780	2.19	17690	32500	14810	1.83
	2020-21														
8.	Mustard	RH – 0749 + Herbicide, insecticide and sulphur and micro-nutrients	75	30	Crop standing										
9.	Chickpea	PG - 186	25	10	Crop standing										
10.	Lentil	HUL – 57 + Sulphur, insecticide	25	10	Crop standing										
11.	Fieldpea	IPF -04-09	25	10	Crop standing										
12.	Pigeonpea (2020-21)	IPA 203 + Herbicide, Bio-fertilizer & Sulphur	25	10	Crop standing										

Biotech Kisan Hub (2019-20)

Sl. No.	Crop demonstrated	Name of Variety + Technology demonstrated	Number of farmers	Area in ha	Yield obtained (q/ha)			Farmer's Existing plot				Demonstration plot			
					Max.	Min.	Av.	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.	Lathyrus	Ratan	26	10.4	8.5	6.2	7.35	13700	30870	17170	2.25	14450	35700	21250	2.47
2.		Prateek	25	10.0	8.1	5.9	7.0	13700	29400	15700	2.14	14450	34020	19570	2.35

CFLD 2020-21:

CFLD Oilseeds:

Sl. No.	Crop	Area (ha)	No. Of Demo	Variety	Technology Demonstrated
1.	Mustard	30	75	RH - 749	Seed, Sulphur, Insecticide, Fungicide

CFLD Pulses:

Sl. No.	Crop	Area (ha)	No. Of Demo	Variety	Technology Demonstrated
1.	Chickpea	10	25	PG -186	Seed
2.	Lentil	10	25	HUL – 57	Seed, Insecticide, Fungicide
3.	Fieldpea	10	25	IPF-04-09	Seed
4.	Pigeonpea	10	25	IPA - 203	Seed, Insecticide, Fungicide

Climate Resilient Agriculture Programme (CRAP):

S.N.	Crop	Variety	Village	Area(Acre)	Technology Demonstrated
1.	Wheat	HD -2967, S. Shreshtha	Rasalpur (Manpur), Rasalpur (Nagar), Takiya, Rahimbigha, Rupaspur	415	ZTD
2.	Chickpea	PUSA - 3043		30	ZTD
3.	Lentil	HUL - 57		25	ZTD
4.	Mustard	RH - 749		50	ZTD
5.	Maize	S2 - 945		63	ZTD
Total				583	

GKMS

S.N.	Programmes	No.
1.	Advisories published	100
2.	Field visit	76
3.	Farmer's feedback	2675
4.	SMS from Whatsapp	267434
5.	Farmers awareness programme	12

CSISA

S.N.	Crop	Variety	Village	Area(Acre)	Technology Demonstrated
1.	Wheat	HD -2967	Sondhi	5	ZTD
2.	Wheat	HD -2967	Sohaipur	7	ZTD
Total				12.0	

BGREI – Monitoring will be started in last week of January

PKVY - Murera, Parsawan, Konch

Biotech Kisan Hub (2019-20)

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	26	11	26
Lathyrus	Prateek	25	11	25

Biotech Kisan Hub (2020 – 21):

Sl. No.	Date	Place of training	No. Of participants
5.	19.10.2020	KVK, Gaya	81
6.	20.10.2020	KVK, Gaya	54

Crop	Variety	Area (Acre)	No. of Village	No. of Demo
Lathyrus	Ratan	122	17	122
Lathyrus	Prateek	12	01	12

Scheduled Caste Sub - plan:

Crop	Variety	Technology demonstrated	No. of Farmers	Area (ha)
Paddy	Sahbhagi	Seed & seed treatment	16	5
Wheat	HD - 2967	Seed	104	32
Lentil	HUL - 57	Seed	66	20
Chickpea	PG - 186	Seed	30	5
Mustard	RH-0749	Seed	42	10
Mushroom	Buttton mushroom	Buttton mushroom	80	1600 Nos.
		Total	**338**	72

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	2	35	0	35	6	10	16	0	0	0	41	10	51
Resource Conservation Technologies													
Cropping Systems	3	51	7	58	27	0	27	0	0	0	78	7	85
Crop Diversification													
Integrated Farming													
Water management	1	30	5	35	6	0	6	0	0	0	36	5	41
Seed production													
Nursery management													
Integrated Crop Management	8	134	4	138	56	63	119	0	0	0	190	67	257
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)													
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													

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
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	3	44	1	45	29	5	34	0	0	0	73	6	79
Poultry Management	3	23	11	34	18	30	48	0	0	0	41	41	82
Piggery Management													
Rabbit Management													
Disease Management	4	29	17	46	36	24	60	0	0	0	65	41	106
Feed management	1	8	0	8	15	5	20	0	0	0	23	5	28
Production of quality animal products													
Others, if any Goat farming	1	12	2	14	4	3	7	0	0	0	16	5	21
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													

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
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													
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
VIII. Fisheries													
Integrated fish farming	1	5	4	9	2	5	7	0	0	0	7	9	16
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													
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													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs													
Mobilization of social capital													
Entrepreneurial development of farmers/youths	3	37	23	60	9	5	14	0	0	0	46	28	74
WTO and IPR issues													
Others, if any													
Capacity building	1	0	13	13	0	2	2	0	0	0	0	15	15
Mushroom production	2	36	11	47	13	4	17	0	0	0	49	15	64
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**33**	**444**	**98**	**542**	**221**	**156**	**377**	**0**	**0**	**0**	**665**	**254**	**919**

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													
Bee-keeping	1	21	0	21	12	2	14	0	0	0	33	2	35
Integrated farming (ICM)	1	4	0	4	19	5	24	0	0	0	23	5	28
Seed production													
Production of organic inputs													
Integrated Farming System	1	22	0	22	11	2	13	0	0	0	33	2	35
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	5	97	11	108	42	11	53	0	0	0	139	22	161
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	2	38	0	38	30	2	32	0	0	0	68	2	70
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	**10**	**182**	**11**	**193**	**114**	**22**	**136**	**0**	**0**	**0**	**296**	**33**	**329**

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	2	78	9	87	25	3	28	0	0	0	103	12	115
Value addition													
Integrated Pest Management													
Integrated Nutrient management	1	4	5	9	2	1	3	0	0	0	6	6	12
Rejuvenation of old orchards													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization	2	62	23	85	28	11	39	0	0	0	90	34	124
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	2	62	8	70	17	1	18	0	0	0	79	9	88
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	**7**	**206**	**45**	**251**	**72**	**16**	**88**	**0**	**0**	**0**	**278**	**61**	**339**

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	2	47	5	52	7	1	8	0	0	0	54	6	60
Resource Conservation Technologies													
Cropping Systems	3	44	0	44	15	0	15	0	0	0	59	0	59
Crop Diversification													
Integrated Farming													
Water management													
Seed production													
Nursery management													
Integrated Crop Management	7	139	2	141	46	0	46	0	0	0	185	2	187
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
II. Horticulture													
a) Vegetable Crops													
Integrated nutrient management	1	17	2	19	2	1	3	0	0	0	19	3	22
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													
Production and Management technology													
Processing and value addition													
Others, if any													
e) Tuber crops													
Production and Management technology													

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
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	3	44	7	51	11	11	22	0	0	0	55	18	73
Poultry Management	3	47	10	57	11	5	16	0	0	0	58	15	73
Piggery Management													
Rabbit Management													
Disease Management	6	103	8	111	19	2	21	0	0	0	122	10	132
Feed management	2	39	4	43	5	0	5	0	0	0	44	4	48
Production of quality animal products													
Others, if any Goat farming	3	48	4	52	14	18	32	0	0	0	62	22	84
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													

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
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	2	27	3	30	14	2	16	0	0	0	41	5	46
Integrated Disease Management	2	26	3	29	14	2	16	0	0	0	40	5	45
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													
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													

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
Leadership development													
Group dynamics													
Formation and Management of SHGs	3	24	25	49	6	9	15	0	0	0	30	34	64
Mobilization of social capital													
Entrepreneurial development of farmers/youths	7	86	34	120	16	27	43	0	0	0	102	61	163
WTO and IPR issues													
Others, if any													
Bee keeping	1	7	2	9	5	0	5	0	0	0	12	2	14
Capacity building	1	15	3	18	0	0	0	0	0	0	15	3	18
Mushroom production	2	38	12	50	21	6	27	0	0	0	59	18	77
Oilseed production	2	22	3	25	21	7	28	0	0	0	43	10	53
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
XII. Others (Pl. Specify)													
TOTAL	**50**	**773**	**127**	**900**	**227**	**91**	**318**	**0**	**0**	**0**	**1000**	**218**	**1218**

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(ICM)													
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													
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													
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													

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	63	5	68	10	11	21	0	0	0	73	16	89
Resource Conservation Technologies													
Cropping Systems	6	95	7	102	42	0	42	0	0	0	137	7	144
Crop Diversification													
Integrated Farming													
Water management	2	49	5	54	9	0	9	0	0	0	58	5	63
Seed production													
Nursery management													
Integrated Crop Management	15	273	6	279	102	63	165	0	0	0	375	69	444
Fodder production													
Production of organic inputs													
Others, (cultivation of crops)													
TOTAL	**26**	**480**	**23**	**503**	**163**	**74**	**237**	**0**	**0**	**0**	**643**	**97**	**740**
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 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													

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
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	1	17	2	19	2	1	3	0	0	0	19	3	22
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													
TOTAL	**1**	**17**	**2**	**19**	**2**	**1**	**3**	**0**	**0**	**0**	**19**	**3**	**22**
IV. Livestock Production and Management													
Dairy Management	6	88	8	96	40	16	56	0	0	0	128	24	152
Poultry Management	6	70	21	91	29	35	64	0	0	0	99	56	155
Piggery Management													
Rabbit Management													
Disease Management	10	132	25	157	55	26	81	0	0	0	187	51	238
Feed management	3	47	4	51	20	5	25	0	0	0	67	9	76
Production of quality animal products													
Others, if any (Goat farming)	4	60	6	66	18	21	39	0	0	0	78	27	105
TOTAL	**29**	**397**	**64**	**461**	**162**	**103**	**265**	**0**	**0**	**0**	**559**	**167**	**726**
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													

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
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													
Post-Harvest Technology													
Others, if any													
TOTAL													
VII. Plant Protection													
Integrated Pest Management	2	27	3	30	14	2	16	0	0	0	41	5	46
Integrated Disease Management	2	26	3	29	14	2	16	0	0	0	40	5	45
Bio-control of pests and diseases													
Production of bio control agents and bio pesticides													
Others, if any													
TOTAL	**4**	**53**	**6**	**59**	**28**	**4**	**32**	**0**	**0**	**0**	**81**	**10**	**91**
VIII. Fisheries													
Integrated fish farming	1	5	4	9	2	5	7	0	0	0	7	9	16
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	**1**	**5**	**4**	**9**	**2**	**5**	**7**	**0**	**0**	**0**	**7**	**9**	**16**

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
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													
TOTAL													
X. Capacity Building and Group Dynamics													
Leadership development													
Group dynamics													
Formation and Management of SHGs	3	24	25	49	6	9	15	0	0	0	30	34	64
Mobilization of social capital													
Entrepreneurial development of farmers/youths	10	123	57	180	25	32	57	0	0	0	148	89	237
WTO and IPR issues													
Others, if any													
Bee-keeping	1	7	2	9	5	0	5	0	0	0	12	2	14
Capacity building	2	15	16	31	0	2	2	0	0	0	15	18	33
Mushroom production	3	74	23	97	34	10	44	0	0	0	108	33	141
Oilseed production	2	22	3	25	21	7	28	0	0	0	43	10	53
TOTAL	**21**	**265**	**126**	**391**	**91**	**60**	**151**	**0**	**0**	**0**	**356**	**186**	**542**
XI Agro-forestry													
Production technologies													
Nursery management													
Integrated Farming Systems													
TOTAL													
XII. Others (Pl. specify)													
TOTAL	**82**	**1217**	**225**	**1442**	**448**	**247**	**695**	**0**	**0**	**0**	**1665**	**472**	**2137**

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													
Bee-keeping	1	21	0	21	12	2	14	0	0	0	33	2	35
Integrated farming	1	4	0	4	19	5	24	0	0	0	23	5	28
Seed production													
Production of organic inputs													
Integrated Farming System	1	22	0	22	11	2	13	0	0	0	33	2	35
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	5	97	11	108	42	11	53	0	0	0	139	22	161
Quail farming													
Piggery													
Rabbit farming													
Poultry production													
Ornamental fisheries													
Enterprise development	2	38	0	38	30	2	32	0	0	0	68	2	70
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	**10**	**182**	**11**	**193**	**114**	**22**	**136**	**0**	**0**	**0**	**296**	**33**	**329**

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	2	78	9	87	25	3	28	0	0	0	103	12	115
Integrated Pest Management													
Integrated Nutrient management	1	4	5	9	2	1	3	0	0	0	6	6	12
Rejuvenation of old orchards													
Value addition													
Protected cultivation technology													
Formation and Management of SHGs													
Group Dynamics and farmers organization	2	62	23	85	28	11	39	0	0	0	90	34	124
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	2	62	8	70	17	1	18	0	0	0	79	9	88
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													
Crop intensification													
Others if any													
TOTAL	**7**	**206**	**45**	**251**	**72**	**16**	**88**	**0**	**0**	**0**	**278**	**61**	**339**

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										
Agronomy	PF	Bee keeping a self-generating enterprise	1	ON	39	0	39	12	0	12
Agronomy	PF	Packages & practices of summer crops	1	ON	20	5	25	8	0	8
Agronomy	PF	Packages & practices of lathyrus	1	OFF	21	0	21	10	0	10
Agronomy	PF	Integrated weed management of rabi crops	1	ON	21	10	31	2	10	12
Agronomy	PF	Packages & practices of summer crops	1	ON	19	2	21	7	0	7
Agronomy	PF	Package & practices of paddy	1	Online	21	0	21	2	0	2
Agronomy	PF	Package & practices of pigeonpea	1	Online	17	0	17	3	0	3
Agronomy	PF	Weed management in paddy	1	Online	32	6	38	4	1	5
Agronomy	PF	Integrated nutrient management	1	Online	19	3	22	2	1	3
Agronomy	PF	Integrated disease management in paddy	1	Online	20	2	22	8	0	8
Agronomy	PF	Integrated pest management in paddy	1	Online	24	2	26	6	1	7
Agronomy	PF	Integrated disease management in paddy	1	Online	20	3	23	6	2	8
Agronomy	PF	Integrated pest management in paddy	1	Online	17	3	20	8	1	9
Agronomy	PF	Package & practices of Rabi crops	1	Off	25	0	25	9	0	9
Agronomy	PF	Package & practices of lentil	1	Online	44	1	45	8	0	8
Agronomy	PF	Package & practices of mustard	1	Online	17	0	17	5	0	5
Agronomy	PF	Package & practices of rabi pulses	1	KVK	9	21	30	9	21	30
Agronomy	PF	Package & practices of mustard	1	KVK	12	2	14	0	0	0
Agronomy	PF	Package & practices of chickpea	1	KVK	20	0	20	7	0	7
Agronomy	PF	Package & practices of lentil	1	KVK	15	14	29	10	14	24
Agronomy	PF	Package & practices of fieldpea	1	KVK	15	0	15	5	0	5
Agronomy	PF	Weed management in wheat	1	KVK	18	22	40	6	22	28
Agronomy	PF	Package & practices of rabi crops	1	KVK	20	8	28	7	6	13
Agronomy	RY	Year round production of fodder crops	1	ON	23	5	28	19	5	24
Agronomy	EF	Packages & practices of summer crops		ON	6	6	12	2	1	3
Agronomy	EF	Jan Jaiv Vividhta Program		ON	41	3	44	8	0	8
Agronomy	EF	Jan Jaiv Vividhta Program		ON	62	9	71	17	3	20
Extension Education										
Ext. Edn.	PF	Importance of SHGs in increasing income of farmers/farm women	1	OFF	5	16	21	0	4	4
Ext. Edn.	PF	Importance of SHGs in increasing income of farmers/farm women	1	OFF	3	16	19	0	5	5
Ext.	PF	Bee keeping a self-generating	1	ON	32	17	49	0	15	15

Edn.		enterprise								
Ext. Edn.	PF	Increasing knowledge in vegetable seed production	1	OFF	15	3	18	0	0	0
Ext. Edn.	PF	Role & importance of FPO (VC)	1	ON	22	2	24	6	0	6
Ext. Edn.	PF	Increasing knowledge for cultivation of high value crops	1	OFF	0	15	15	0	2	2
Ext. Edn.	PF	Beekeeping as the means of self-employment (VC)	1	ON	4	10	14	2	4	6
Ext. Edn.	PF	Entrepreneurship development in mushroom production	1	Online	21	7	28	4	2	6
Ext. Edn.	PF	Mushroom production technology	1	ON	33	2	35	15	2	17
Ext. Edn.	PF	Scientific production practices of oyster mushroom	1	Online	26	16	42	6	4	10
Ext. Edn.	PF	Scientific package of practices of button mushroom	1	Online	27	8	35	7	2	9
Ext. Edn.	PF	Mushroom production technology	1	Online	22	7	29	6	2	8
Ext. Edn.	PF	Bee keeping technique	1	Online	12	2	14	5	0	5
Ext. Edn.	PF	Oyster mushroom production technology	1	Online	13	9	22	2	0	2
Ext. Edn.	PF	Button mushroom production technology	1	Online	11	16	27	2	2	4
Ext. Edn.	PF	Entrepreneurship development in agriculture	1	Online	10	7	17	2	2	4
Ext. Edn.	PF	Entrepreneurship development in agriculture	1	Online	14	5	19	3	1	4
Ext. Edn.	PF	Entrepreneurship development in agriculture through vermicomposting	1	Online	17	6	23	4	2	6
Ext. Edn.	PF	Cultivation of rai	1	ON	14	0	14	3	0	3
Ext. Edn.	PF	Improved cultivation of rai	1	ON	29	10	39	18	7	25
Ext. Edn.	PF	Production techniques of button mushroom	1	Online	16	7	23	4	2	6
Ext. Edn.	PF	Availability of markets for sale of agri. Produce	1	Online	10	5	15	2	2	4
Ext. Edn.	RY	Honeybee production under GKRA	1	ON	33	2	35	12	2	14
Ext. Edn.	RY	Vermicomposting & mushroom cultivation	1	ON	35	0	35	18	0	18
Ext. Edn.	RY	Mushroom production technology	1	ON	33	2	35	12	2	14
Ext. Edn.	EF	Jan Jaiv Vividhta Program		ON	36	8	44	9	2	11
Ext. Edn.	EF	Jan Jaiv Vividhta Program		ON	54	26	80	19	9	28
Animal Science										
Ani. Sci.	PF	Vaccination in poultry	1	ON	20	5	25	8	0	8
Ani. Sci.	PF	Management of infertility in cattle	1	ON	13	22	35	2	5	7
Ani. Sci.	PF	common disease in goat	1	ON	25	0	25	7	0	7
Ani. Sci.	PF	Management of cattle in winter	1	ON	19	0	19	0	0	0
Ani. Sci.	PF	Management of commercial broiler	1	OFF	10	12	22	2	5	7
Ani. Sci.	PF	Fish farming	1	ON	7	9	16	2	5	7
Ani. Sci.	PF	Small scale goat farming	1	OFF	17	20	37	11	18	29
Ani. Sci.	PF	Vaccination in dairy animals	1	OFF	13	4	17	4	2	6

Ani. Sci.	PF	Management of commercial layer	1	ON	16	9	25	5	3	8
Ani. Sci.	PF	Management of cattle in summer	1	OFF	14	15	29	8	11	19
Ani. Sci.	PF	Management of infertility in dairy animals	1	Online	20	0	20	2	0	2
Ani. Sci.	PF	HS & BQ management in dairy animals	1	Online	22	1	23	3	0	3
Ani. Sci.	PF	Small scale goat farming	1	Online	20	1	21	3	0	3
Ani. Sci.	PF	Commercial broiler farming	1	Online	21	2	23	5	0	5
Ani. Sci.	PF	Clean milk production	1	Online	21	2	23	0	0	0
Ani. Sci.	PF	Management of common disease in goat	1	Online	25	1	26	0	0	0
Ani. Sci.	PF	Management and vaccination of FMD in dairy animals	1	Online	21	1	22	3	0	3
Ani. Sci.	PF	Fodder production round the year	1	Online	22	2	24	2	0	2
Ani. Sci.	PF	Vaccination in cattle in poultry	1	Online	25	2	27	5	0	5
Ani. Sci.	PF	Management of commercial broiler	1	Online	27	1	28	4	0	4
Ani. Sci.	PF	Fodder production round the year	1	Online	22	2	24	3	0	3
Ani. Sci.	PF	Management of infertility in dairy animals	1	ON	28	2	30	3	1	4
Ani. Sci.	PF	Vaccination in cattle & poultry	1	ON	8	19	27	8	19	27
Ani. Sci.	PF	Backyard poultry farming	1	ON	5	27	32	5	27	32
Ani. Sci.	PF	Small scale goat farming	1	ON	16	5	21	4	3	7
Ani. Sci.	PF	Common disease in goat	1	ON	19	0	19	19	0	19
Ani. Sci.	PF	Fodder production round the year	1	ON	23	5	28	15	5	20
Ani. Sci.	PF	Clean milk production	1	ON	26	4	30	26	4	30
Ani. Sci.	PF	Management of cattle in winter	1	Online	20	1	21	3	0	3
Ani. Sci.	PF	Management of FMD in dairy animals	1	Online	21	2	23	2	0	2
Ani. Sci.	RY	Management of goat	1	ON	27	0	27	8	0	8
Ani. Sci.	RY	Goat management	1	ON	28	7	35	5	4	9
Ani. Sci.	RY	Goatry management under GKRA	1	ON	31	4	35	20	3	23
Ani. Sci.	RY	Goat management	1	ON	26	4	30	3	1	4
Ani. Sci.	RY	Goat management		ON	27	7	34	6	3	9
Ani. Sci.	RY	Integrated farming system		ON	33	2	35	11	2	13
Ani. Sci.	EF	Jan Jaiv Vividhta Program		ON	44	5	49	11	1	12
Ani. Sci.	EF	Jan Jaiv Vividhta Program		ON	35	4	39	6	0	6

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	
Livestock	Goat farming	Management of goat	4	27	0	27				
Agronomy	IFS	Integrated farming system	3	33	2	35				
Livestock	Goat farming	Goat management	3	28	7	35				
Bee keeping	Bee keeping	Honeybee production under GKRA	3	33	2	35				
Entrepreneurship development	Entrepreneurship development	Vermicomposting & mushroom cultivation	3	35	0	35				
Entrepreneurship development	Entrepreneurship development	Mushroom production technology	3	33	2	35				
Livestock	Goat farming	Goatry management under GKRA	3	31	4	35				
Livestock	Goat farming	Goat management	3	26	4	30				
Livestock	Goat farming	Goat management	5	27	7	34				
Agronomy	ICM	Year round production of fodder crops	1	23	5	28				

**training title should specify the major technology /skill transferred*

I) Sponsored Training Programmes

Sl.	Title	Thematic area	Month	Duration (days)	Client	No. of courses	No. of Participants										Sponsoring Agency
							Male			Female			Total				
					PF/RY/EF		Others	SC	ST	Others	SC	ST	Others	SC	ST	Total	
1	Insects, pest disease management in mango & guava	IPM	Jan	1	PF	1	30	15	0	0	0	0	30	15	0	45	NHB
2	Fodder production in Rabi	Fodder production	Jan	1	PF	1	30	15	0	0	0	0	30	15	0	45	NHB
3	Different microbial inoculants	Biofertilizer	Mar	1	PF	1	20	4	0	2	0	0	22	4	0	26	ATMA
4	Income generation through dairy	Dairy Management	Mar	1	PF	1	62	20	0	0	0	0	62	20	0	82	Bal sudhar grih, Gaya
5	Entrepreneurship development in agriculture	Entrepreneurship development	Mar	1	PF	1	60	12	0	0	0	0	60	12	0	72	159 Batalian
6	IPM in rabi crops	IPM	Dec	1	PF	1	12	8	0	2	1	0	14	9	0	23	ATMA
7	Production techniques of wheat pulses	Cropping system	Dec	1	PF	1	13	6	0	1	0	0	14	6	0	20	ATMA, Gaya
8	Organic fertilizer	Fertilizer Management	Dec	1	PF	1	17	3	0	1	0	0	18	3	0	21	ATMA, Gaya
9	Gender mainstreaming	Gender mainstreaming	Dec	1	PF	1	2	3	0	8	32	0	10	35	0	45	PRAN, 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	100	0	100	26	0	0	0	100	0	100
Kisan Ghosthi	9	329	197	526	23	16	3	19	345	200	545
Exhibition	0	0	0	0	0	0	0	0	0	0	0
Film Show	0	0	0	0	0	0	0	0	0	0	0
Method Demonstrations	2	65	7	72	5	3	0	3	68	7	75
Farmers Seminar	2	118	46	164	16	7	2	9	125	48	173
Workshop	2	46	12	58	11	2	0	2	48	12	60
Group meetings	0	0	0	0	0	0	0	0	0	0	0
Lectures delivered as resource persons	17	236	54	290	13	11	2	13	247	56	303
Advisory Services	4667	3846	163	4009	12	612	46	658	4458	209	4667
Scientific visit to farmers field	366	316	34	350	11	12	4	16	328	38	366
Farmers visit to KVK	1653	1161	167	1328	13	199	126	325	1360	293	1653
Diagnostic visits	8	83	9	92	13	6	1	7	89	10	99
Exposure visits	2	66	23	89	3	4	2	6	70	25	95
Ex-trainees Sammelan	0	0	0	0	0	0	0	0	0	0	0
Soil health Camp	0	0	0	0	0	0	0	0	0	0	0
Animal Health Camp	4	142	22	164	14	6	2	8	148	24	172
Agri mobile clinic	0	0	0	0	0	0	0	0	0	0	0
Soil test campaigns	0	0	0	0	0	0	0	0	0	0	0
Farm Science Club Conveners meet	3	118	10	128	13	5	2	7	123	12	135
Self Help Group Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Mahila Mandals Conveners meetings	0	0	0	0	0	0	0	0	0	0	0
Special Programmes (specify)											
Sankalp Se Siddhi											
Swatchta Hi Sewa											
Any Other (Specify)											
Total	6741	6791	786	7577	188	934	197	1131	7725	983	8708

B. Other Extension activities

Nature of Extension Activity	No. of activities
Newspaper coverage	76
Radio talks	2
TV talks	1
Popular articles	23
Extension Literature	3
Other, if any	

C. Celebration of important days

Celebration of Important Days	No. of activities	Farmers				Extension Officials			Total		
		M	F	Total	SC/ ST (% of total)	M	F	Total	M	F	Total
Republic day (26th Jan.)	1	18	7	25	22	14	3	17	32	10	42
International Women's Day (8th Mar.)	1	8	61	69	13	12	2	14	20	63	83
Ambedkar Jayanti (14th Apr.)	0	0	0	0	0	0	0	0	0	0	0
International Yoga Day (21st Jun.)	1	12	3	15	20	13	1	14	25	4	29
Independence Day (15th Aug.)	1	17	9	26	13	14	2	16	31	11	42
Parthenium Awareness Week (16th to 22nd Aug.)	0	0	0	0	0	0	0	0	0	0	0
Hindi Diwas (14th Sep.)	0	0	0	0	0	0	0	0	0	0	0
Gandhi Jayanti (2nd Oct.)	1	2	7	9	14	44	1	45	46	8	54
Mahila Kisan Diwas (15th Oct.)	1	0	23	23	28	12	1	13	12	24	36
World Food Day (16th Oct.)	0	0	0	0	0	0	0	0	0	0	0
Vigilance Awareness Week (27th Oct. to 2nd Nov.)	2	27	18	45	11	5	2	7	32	20	52
National Unity Day (31st Oct.)	0	0	0	0	0	0	0	0	0	0	0
World Science Day (10th Nov.)	0	0	0	0	0	0	0	0	0	0	0
National Education Day (11th Nov.)	1	15	6	21	12	2	0	2	17	6	23
National Constitution Day (26th Nov.)	0	0	0	0	0	0	0	0	0	0	0
World Soil Day (5th Dec.)	1	57	34	91	16	18	1	19	75	35	110
Kisan Diwas (23rd Dec.)	1	34	39	73	18	10	1	11	44	40	84

D. Interaction/Live telecast programme of Hon'ble PM/Hon'ble AM

Sl.	Date of event	Name of Event/Programme	Interaction of Hon'ble PM/AM	Participants			
				Farmers	Staffs	VIP/Others	Total
1.	28.01.2020	Global Potato conclave 2020	Interaction of Hon'ble PM (live telecast)	69	12	2	83
2	20.06.2020	Garib Kalyan Rojagar Abhiyan	Interaction of Hon'ble PM (live telecast)	365	17	0	382
3	28.08.2020	Kisano ki baat Krishi Mantri ke saath	Interaction of Hon'ble AM (live telecast)	20	12	0	32
4	24.09.2020	Kisano ki baat Krishi Mantri ke saath	Interaction of Hon'ble AM (live telecast)	26	11	0	37
5	14.12.2020	Inauguration of CRA Program	Interaction of Hon'ble CM (live telecast)	76	16	4	96
6	25.12.2020	Hon'ble Prime Minister of India addressing the farmers and releasing PM Kisan money to farmers	Interaction of Hon'ble PM	268	16	4	288

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	DBW-14	4.52	18080				
Moong	PDM-139	6.05	93170				
Paddy	R. Sweta	1.19	476000				
	Sahbhagi	29.5	103250				
Masoor	HUL-57	0.76	7980				
Chana		4.36	45780				
Grand Total		**46.38**	**744260**				

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	1	24					
Goat							
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"***

i) Name of Seed Hub Centre:

Name of Nodal Officer :	Dr. Rajeev Singh
Address :	Krishi Vigyan Kenda, Manpur, Gaya
e-mail :	kvkmanpurgaya@gmail.com
Phone No. : Mobile :	 9431204379

ii) Quality Seed Production Reports

Season	Crop	Variety	Production (q)			
			Target	Area sown (ha)	Production	Category of Seed (F/S, C/S)
Kharif 2020						
Rabi 2020						
Summer/Spring 2020						

iii) Financial Progress

Fund received (2016-17, 2017-18 and 2019, 2020)	Expenditure (Rs. in lakhs)		Unspent balance (Rs. in lakhs)	Remarks
	Infrastructure	Revolving fund		
2016-17				
2017-18				
2019				
2020				

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	Effect of different levels of potassium on yield and economics of kharif maize	Rajeev Singh et.al.		
Seminar/conference/ symposia papers				
Books	Rice, Agronomy	Rajeev Singh, Vivek Yadav, Subodh Kumar		
	Programmes and schemes in agriculture	Adarsh Kumar Srivastava, Ashok Kumar		
	Agricultural statistics and experimental Design	Rakesh Singh, Hiralal, Rajeev Singh		
Bulletins				
News letter	Improving productivity and profitability of rice fallows through crop diversification and intensification	Bal Manohar, Rajeev Singh		
Popular Articles				
Book Chapter			8	
Extension Pamphlets/ literature				
Technical reports	SAC Report		2	
	Extension Council Report		1	
	CFLD Report		1	
	Biotech Kisan Hub		1	
	CRAP Report		1	
	Annual Report		1	
Electronic Publication (CD/DVD etc)				
TOTAL				

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.					
2.					
3.					
4.					

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

Shashi Kumar

Name : Sri Shashi Kumar
Age : 51
Venture: Bee keeping & honey processing
Address
Village: Surhari
Block : Bodhgaya
District: Gaya
Educational Qualification: Graduate
Institution facilitating centre: KVK Manpur, Gaya
Mobile No.: 7544999921

A real beekeeping hero of Bihar

Sri Shashi kumar, son of Sri Mahesh Shankar Vidyarathi, village of Surhari in Bodhgaya block of Gaya district (Bihar). Sri Kumar is a simple graduate and an entrepreneur whose initially main area of activity was agriculture from which his earning was Rs.15,000 – Rs. 20,000 per annum per acre by farming, but unable to meet out the family expenditure from 5 acres of total land owned by him. One day he came to Krishi Vigyan Kendra, Manpur, Gaya for getting advice in the field of agriculture and allied sectors. After discussion with the KVK scientists he was advised to go for bee keeping which is a remunerative enterprise and has lots of potential and scope in the district and state. After that he got exposure and knowledge through visiting bee keeping sites at different places and training from different institutions including Krishi Vigyan Kendra, Manpur, Gaya. Then he started Beekeeping in the year 1995 with a capital of Rs. 10,000.00 (Rupees ten thousand) and 10 boxes. After realizing good profit from it, he increased bee keeping boxes to 400 and started earning Rs. 4-5 lakh p.a. His firm entitled "**Shiva Honey**" started working in 1997 with the help of loan of Rs. 1 Lakhs taken from Bank of Baroda, Manpur, Gaya under **PMRY** scheme.

It was a turning point in his life as the loan amount was mainly utilized for packing of honey and in obtaining **AGMARK** license for the produced. Realizing the potential of bee keeping in the state, in the year 2004, he started a company by the name of **Shiva Agro Natural (P) Ltd.** Project with a total cost of Rs. 45 lacs with the term loan assistance form Bank of Baroda, Manpur, Gaya. Later, with promising bee keeping enterprise he established a processing, testing and packing plant and started marketing under the Brand name of "Shiva Agro". Presently, more than 220 beekeepers of Bihar are associated and working with him. In the year 2011, seeing the potential and future scope to boost his enterprise, he started a new company by the name M/s Kunwar Apiary Pvt. Ltd. with a project cost of Rs. 1.24 crore by help of Govt. of Bihar.

The excellent works done by him in the field of bee keeping has been acknowledged by receiving recognitions at the district/state/national/international level: "Kisan Sri" in the year 2007 from Govt. of Bihar, A Governing Board member (Agricultural Technology Management Agency), ATMA, Gaya from

2006 to 2010, Progressive bee-keepers award from Rajendra, Agriculture University, Pusa, Samastipur in the year (1999, 2003 and 2007 and 2009), Member of board of management, BAU, Sabour, Bhagalpur (Bihar) in 2013, he bagged Entrepreneur Award from Bank of Baroda, Manpur, Gaya in 1998, Santwana Award by marketing and inspection in 2001 by ministry of agriculture, Govt. of India, Progressive beekeepers Awarded by All India honey festival (APIEXI'98) Dharwad, Karnataka.- 1998, Progressive farmers Award by (APEDA) and National Bee Board, New Delhi at Doraha, Ludhiana – 2004, N.G. RANGA FARMER AWARD FOR DIVERSIFIED AGRICULTURAL–2008 From I.C.A.R. PUSA, New, Delhi and City Micro Foundation Award in 2009 by City Micro Foundation North east region, New Delhi. He also visited Malasiya under ASEAN – India farmer exchange program in the year 2013 assisted by ICAR, New Delhi.

He has provided training to local youth of Gaya on the package and practices of Bee-keeping and honey production for years. Till now 200 participants are trained and certification by Khadi and Village Industries Commission, Patna.

Nehru Yuva Kendra, Gaya utilized as resource person for training purposes time to time.

He runs a Farm School of bee-keeping sponsored by **ATMA,** Gaya in which 25 participants were trained. Besides bee-keeping since 2006 he started producing vermi-compost which he not only use in his fields but also supply to other farmers to encourage organic farming. He is also giving training and worms to the interested farmers of Gaya district.

In the current scenario of gender mainstreaming, he brought his wife Smt. Anita Rani and brother Sri Shalesh Kumar in the field of bee-keeping and they are training to the backward women adjoining area of locality.

His product is sold to Vivekanand Kendra and GRAM Nirman Mandal, Gaya, which gave him encouragement to work hard. Later on united the other 220 bee-keepers of Gaya to form a group and started supplying their product to Dabar India Ltd. Mehson's India Ltd. Kalyani enterprises, Achme orient agro product and department of Horticulture, Government of Bihar etc. and started marketing under the Brand name of "Shiva Agro" TM, which helped me in marketing and brought better returns of my product.

From his own enterprise with 600 bee boxes producing 30000 kg of honey and by investing total cost of production of Rs. 24.0 lakh his gross return is 39.0 lakh with net profit of Rs. 15.0 lakh.

Now he is planning for the export of good quality Litchi Honey, pollen, Royal gelly, perpoly and Bee venum. He has already obtained the export license. Through his firm he is facilitating district farmers for Fee test and Aniline test to avoid any kind of adulteration in their products and also providing facilities for FG ratio test and HMF test to ensure international quality standard of their products for the purpose of Honey export.

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)

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		
Through mini soil testing kit/labs	Through soil testing laboratory	Total

3.11.c Detail of Soil, Water and Plant analysis at KVK

Sl.	Analysis	No. of Samples analyzed	No. of Villages	No. of Farmers	Amount realized (Rs.)
1.	Soil				
2.	Water				
3.	Plant				
4.	Fertilizers				
5.	Manures				
6.	Food				
7.	Others (if any)				

3.11.d. 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.	Training	110	0	0	50	50

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 (No.)	Visit by the officials (No.)

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) Y

No of student trained	No of days stayed
13	

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

4. 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

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	
Name & complete address of the entrepreneur	
Role of KVK with quantitative data support:	
Timeline of the entrepreneurship development	
Technical Components of the Enterprise	
Status of entrepreneur before and after the enterprise	
Present working condition of enterprise in terms of raw materials availability, labour availability, consumer preference, marketing the product etc. (Economic viability of the enterprise):	
Horizontal spread of enterprise	

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 2020 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.)

(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	2015	400	Black Bengal	10				
2.	Vermi-compost unit	2019	60						
3.	Azola unit	2019	100						
	Total								

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	
Wheat	7/12/2019	19/4/2020	2.30	S. Shrestha	F/S	51.05	72300	143600	
	6/12/2019	19/4/2020	1.70	HD-2967	C/S	50.15	52700		
Moong	20/4/2020	June/July	2.0	IPM-2-3	F/S	2.37	18000		
Paddy	13/7/2020	25/11/2020	4.90	R. Sweta	C/S	203.70	171500		
	22/7/2020	16/11/2020	0.27	Ardhjal	T/L	10.5	9450		

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	Sanctioned by ICAR		Expenditure		Unspent balance as on 31 Dec. 2020
	Kharif	Rabi	Kharif	Rabi	
Mustard		90,000.00		74,370.00	15,630.00

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

Item	Sanctioned by ICAR		Expenditure		Unspent balance as on 31st Dec. 2020
	Kharif	Rabi	Kharif	Rabi	
Pigeonpea	90,000.00		82,000.00		8,000.00
Lentil		90,000.00		81,500.00	8,500.00
Chickpea		90,000.00		81,000.00	9,000.00
Fieldpea		90,000.00		85,000.00	5,000.00

7.4. Utilization of KVK funds during the year 2020 (Not audited)

Sl. No.	Particulars	Sanctioned	Released	Expenditure
A. Recurring Contingencies				
1	Pay & Allowances	95,00,000.00	59,92,767.00	69,39,517.00
2	Traveling allowances	1,50,000.00		60,000.00
3	HRD	25,000.00		5,000.00
4	Contingencies			
A	Stationary	3,00,000.00		2,50,000.00
B	POL			
C	Training	2,70,000.00		2,15,000.00
D	Training material			
E	FLD	95,000.00	6,16,487.00	75,000.00
F	OFT	70,000.00		70,000.00
G	Soil & water testing lab	0.00		0.00
H	Maintenance of building	25,000.00		15,000.00
I	Extension activities, kisan mela	25,000.00		0.00
J	Swachhta Expenditure	0.00		0.00
TOTAL (A)		1,04,60,000.00	66,09,254.00	76,09,517.00
B. Non-Recurring Contingencies				
1				
2				
3				
4				
TOTAL (B)				
C. REVOLVING FUND				
GRAND TOTAL (A+B+C)		**1,04,60,000.00**	**66,09,254.00**	**76,09,517.00**

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	5,82,992.00	4,33,932.00	21,21,295.85 as on 31st Dec. 2020
2020	21,21,295.85	6,64,324.00	5,17,646.00	24,67,973.85 as on 31st Dec. 2020

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	Male	Female	

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	6	47038
Livestock	4	31609
Fishery		
Weather		
Marketing		
Awareness		
Training information	5	38170
Other		
Total	**15**	**116817**

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 Kisan Mobile Advisory Services (KMAS)

Sl. No.	Discipline	No. of Advisories	No. of Messages (SMSs)	No. of Farmers
1.				
2.				
3.				
4.				
5.				

9.6. a. Observation of Swachha Bharat Programme/Pakhwara

Date/ Duration of Observation	Activities undertaken	No. of Participants			
		Staffs	Farmers	Others	Total
16.12.2020	Oath taken by KVK staff	15	40	0	55
18.12.2020	Cleaning of office, weeding, corridor	15	12	0	27

19.12.2020	Cleanliness & sanitization within campus, colonies and nearby market	5	10	0	15
20.12.2020	Stock taking of waste management & utilization of organic waste, Generation of wealth from waste, Promoting clean & green technologies and organic farming in kitchen garden in campus	12	10	0	22
21.12.2020	awareness on water management	7	21	0	28
22.12.2020	Awareness program on safe disposal of all kinds of waste	8	16	0	24
23.12.2020	celebration of kisan diwas	5	69	2	76
24.12.2020	awareness on cleanliness at Mastlipur	6	18		24
25.12.2020	Celebration of Hon'ble Vajpayiji Birthday and Awareness camp on cleanliness	24	284	4	312
26.12.2020	Quiz Competition among RAWE students,	10	13	0	23
27.12.2020	Awareness on waste management and utilization of organic waste	8	28		36
28.12.2020	Awareness on water harvesting in horticulture crop	7	19		26
29.12.2020	creating awareness on treatment and safe disposal of bio-degradable and non bio-degradbale waste by involving farmer community	5	45	2	52
30.12.2020	Awareness camp on cleanliness	6	18		24
31.12.2020	Awareness camp on cleanliness with prabhat khabar at KVK	5	34	3	42

b. Details of Swachhta activities with expenditure

Activities	Number	Expenditure (in Rs.)
1. Digitization of office records/ e-office	3	
2. Basic maintenance	15	
3. Sanitation and SBM	4	
4. Cleaning and beautification of surrounding areas	5	
5. Vermicomposting/ Composting of biodegradable waste management & other activities on generate of wealth for waste	3	
6. Used water for agriculture/ horticulture application	1	
7. Swachhta Awareness at local level	4	
8. Swachhta Workshops	2	
9. Swachhta Pledge	2	
10. Display and Banner	8	
11. Foster healthy competition	3	
12. Involvement of print and electronic media	13	
13. Involving the farmers, farm women and village youth in the adopted villages (no of adopted village)	4	
14. No. of Staff members involved in the activities	18	
15. No of VIP/VVIPs involved in the activities	16	
16. Any other specific activity (in details)		
Total	**101**	

9.7. Observation of National Science day

Date of Observation	Activities undertaken

9.8. Programme with Seema Suraksha Bal/ BSF

Title of Programme	Date	No. of participants

9.9. 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)

9.10. 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		

9.11. 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	7	271	0	-

9.12. 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)
1.	Training	2	23	0	-

9.13. 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

9.14. Revenue generation

Sl.No.	Name of Head	Income(Rs.)	Sponsoring agency
1.			
2.			
3.			

9.15. Resource Generation:

Sl.No.	Name of the programme	Purpose of the programme	Sources of fund	Amount (Rs. lakhs)	Infrastructure created

9.16. Performance of Automatic Weather Station in KVK

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

9.17. 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:

Experiment	Title	Objective	Treatment details	Date of sowing	Replication	Result with photographs
Experiment 1	Performance of short duration and long duration varieties under different sowing schedule across ecology	To understand the performance of varieties of different duration both under late sown condition	Zero-Till Drill Wheat Sowing	1-10 Nov		
			Zero-Till Drill Wheat Sowing	11-20 Nov		
			Zero-Till Drill Wheat Sowing	21-30 Nov		
			Zero-Till Drill Wheat Sowing	1-15 Dec		
			Zero-Till Drill Wheat Sowing	16-31 Dec		
Experiment 2	Assessing the role of additional irrigation during terminal heat stress period during grain filling stage to beat the heat stress and its effect on wheat productivity	1. To quantify the grains in wheat productivity from additional irrigation given at dough stage of wheat 2. To understand the impact of last irrigation on the lodging of wheat	Without additional irrigation (FP)			
			With additional irrigation during terminal heat stress period/milking stage in March			
Others (If any)						

11. Details of TSP **NA**

a. Achievements of physical output under TSP during 2020

Sl.	**Activities**	**Physical Achievement**	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer		
b.	Women		
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)		
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		
g.	Asset creation (Number; Sprayer, ridge maker, pump set, weeder etc.)		
h.	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. Details of SCSP

Sl.	Activities	Physical Achievement	
1)	Trainings	No. of Trainings/Demos	No. of beneficiaries
a.	Farmer	8	124
b.	Women	2	63
c.	Rural Youths		
d.	Extension Personnel		
2)	OFT	No. of OFTs	No. of beneficiaries
3)	FLD	No. of FLDs	No. of beneficiaries
		6	335
4)	Mobile agro- advisory to farmers	No. of advisory	No. of beneficiaries
5)	Other activities		
a.	Participants in extension activities (No.)	5	
b.	Production of seed (q)		
c.	Production of Planting material (No. in lakh)		
d.	Production of Livestock strains (No. in lakh)		
e.	Production of fingerlings (No. in lakh)		
f.	Testing of Soil, water, plant, manures samples (Nos.)		

13. 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

14. a) Awards/Recognition received by the KVK in year 2020

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

b) Award received by Farmers in year 2020

Sl.	Name of the Award	Name of the Farmer	Address	Contact No.	Aadhar No.	Amount	Purpose	Conferring Authority

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

16. 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

17. Integrated Farming System (IFS)

A) 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	-	-	-	-	-

B) Activities under IFS

Sl. No.	Component Name	No. of Components established	Area (ha)	No. of Activities		No. of farmers benefited	
				Demo	Training	Demo	Training
1.							
2.							
3.							

18. 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					

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

Phase	Database prepared/ covered for		KVK level Committee		Various activity conducted for farmers
	Total no. of villages	Total no. of farmers	Date of formation	Name of members	
I (up-to 15.03.2018)					
II (up-to 24.04.2018)					
Total					

20. 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)
17.09.2020	Dr. Prem Kumar	Agriculture Minister	

21. a) Information on **ASCI** Skill Development Training Programme, if undertaken during 2017-18, 2019 and 2020

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	
2020							

b) Information on Skill Development Training Programme (**Other than ASCI or less than 200 hrs**., if any) if undertaken during 2020

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	

22. Information of NARI Project (if applicable)

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

Progress Information of NARI Project

a. Details of established Nutrition Garden in Nutri-Smart village

Sl.	Name of Nutri-Smart Village	Type of Nutrition Garden	Number	Area (sqm)	No. of beneficiaries
1.		Backyard/Kitchen garden			
2.		Community level			
3.		Terrace Garden			
4.		Vertical Garden			
TOTAL					

b. Details of Bio-fortified crops in Nutri-Smart village

Name of Nutri-Smart Village	Season	Activity (OFT/FLD)	Category of crop (cereal/ pulses/oilseed/ fruits & veg./ others	Name of Crop	Variety	Area (ha)	No. of benefi-ciaries

c. Value addition in Nutri-Smart village

Name of Nutri Smart Village	Name of Crop/ veg./ fruits/ other	Name of Value added product	Activity (OFT/FLD)	No. of farmers/ beneficiaries

d. Training programmes in Nutri-Smart village

Name of Nutri Smart Village	Area of Training	No of courses	No. of beneficiaries

e. Extension activities under NARI Project

Name of Nutri-Smart Village	Title of Activity	No. of activities	No. of beneficiaries

23. Activities under KSHAMTA

Number of Adopted Villages	No. of Activities		No. of farmers benefited	
	Demo	Training	Demo	Training

24. Activities under MGMG:

Total No of Groups/team formed	No. of Scientists Involved	No. of villages covered	No. of field activities conducted	No. of messages/ advisory sent	Farmers benefited (No.)

25. Activity information of Farmer FIRST Programme (FFP)

Sl.	Modules	Activity Information		
		Demo (No.)	No. of Farm Families	
1.	NRM Module			
2.	Crop Module			
3.	Horticulture Module			
4.	IFS Model			
		Demo (No.)	No. of Farm Families	No. of Animals
5.	Livestock & Poultry			
		No. of Program	No. of farmers	
6.	Extension Activities			

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

Krishi Kalyan Abhiyan- I/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	

27. 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.	Garib Kalyan Rojgar Abhiyan	1-3/07/2020	KVK	Goat farming	35
2.	Garib Kalyan Rojgar Abhiyan	7-9/07/2020	KVK	Mushroom production	35
3.	Garib Kalyan Rojgar Abhiyan	13-15/7/2020	KVK	Integrated farming system	35
4.	Garib Kalyan Rojgar Abhiyan	6-8/8/2020	KVK	Vermi-compost	35
5.	Garib Kalyan Rojgar Abhiyan	10-12/8/2020	KVK	Mushroom Production	35
6.	Garib Kalyan Rojgar Abhiyan	18-20/8/2020	KVK	Goat farming	35
7.	Garib Kalyan Rojgar Abhiyan	21-23/8/2020	KVK	Vermi-compost	35
8.	Garib Kalyan Rojgar Abhiyan	25-27/8/2020	KVK	Poshan Vatika	35

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

SCSP

CRAP